Performance of rapid wetland floristic quality assessment indices for increasing cost-effectiveness of wetland condition evaluation

A report to the EPA

By the North Carolina Division of Water Resources

Water Sciences Section

April 2018

Performance of Rapid Floristic Quality Assessment Indices for Increasing Cost-Effectiveness of Wetland Condition Evaluation

Final Report to the EPA Prepared by:

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Funded by EPA Region IV Wetland Program Development Grant CD-00D51316

April 2018

Citation:
Gianopulos, Kristie. 2018. Performance of rapid floristic quality assessment indices for increasing cost-effectiveness of wetland condition evaluation. Final Report to the EPA, Region IV. Funded by grant CD-00D51316 to North Carolina Division of Water Resources.

April 2018

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Acronyms and Abbreviations

C value	Coefficient of Conservatism value
CEGL code	Community Element Global code
CVS	Carolina Vegetation Survey
EPA	United States Environmental Protection Agency
FQI	Floristic Quality Index
NC	North Carolina
NC DEQ	North Carolina Department of Environmental Quality
NC DWR	Division of Water Resources (within NC DEQ)
NCWAM	North Carolina Wetland Assessment Method
NPS	National Park Service
NWCA	National Wetland Condition Assessment
ORAM	Ohio Rapid Assessment Method

Abstract

This project tested whether rapid floristic quality indices can be used in North Carolina's diverse wetlands, given the many cost-saving benefits that can be realized from using such indices. Vegetation plot data previously collected (by NC Division of Water Resources and others) from 2,292 North Carolina sites were analyzed to calculate and test how well two floristic quality assessment indices based on dominant species could predict a full index based on a comprehensive species list. Dominance was defined by percent cover of each species within a study plot.

Mean C_{dom} (Mean C calculated using only dominant species by cover) performed better as a rapid index than the Floristic Quality Index (Mean C x square root of N) based on dominant species. Mean C_{dom} was successfully able to predict Mean C of all species and was correlated with the Ohio Rapid Assessment Method, but not with North Carolina Wetland Assessment Method ratings. Removal of graminoids (difficult to identify) as a group did not appear to affect Mean C, even in herbaceous wetlands, though some wetlands were comprised of only graminoids, rendering a non-graminoid index useless in those cases. The availability of this validated cost-saving assessment tool will benefit multiple agents who are looking for faster ways of assessing wetland quality with on-the-ground measurements.

Introduction

Raleigh, North Carolina (NC) was one of the nation's top 20 fastest growing metro-areas from 2013-2014, and the NC human population just surpassed 10 million people in 2014-2015, adding over 102,000 people to the state in that year alone (US Census Bureau 2015). This tremendous growth has put increasing pressure on wetland and stream resources from increased urbanization, increased nutrient loading, and increased coverage by invasive and exotic plants. Coupled with this population growth, NC Department of Environmental Quality (NC DEQ) has experienced many changes resulting in the loss of over 150 job positions and over 50% reduction in funding for the department over the last several years. Currently, no state funds are allocated to NC Division of Water Resources (NC DWR) wetland monitoring. This has left the NC DWR with very limited financial and time resources for keeping in touch with changing wetland conditions in North Carolina. Methods that reduce costs and man-hours will allow NC DWR and others to more sustainably and efficiently monitor our natural wetlands, as well as more easily and quickly assess impact areas and mitigation success, and find priority conservation areas.

Unlike rapid assessment methods, the floristic quality assessment is a direct measure of wetland properties and has proven to be an excellent indicator of wetland quality and condition (Lopez and Fennessey 2002, Bourdaghs et al. 2006, Miller and Wardrop 2006, Rocchio 2007; Taft et. al. 1997). Floristic quality assessment has been shown to be robust to successional changes, natural variability, and turnover in taxonomic composition (Spyreas et al. 2012, Bried et al. 2013, Deimeke et al. 2013). The Floristic Quality Index (FQI) and Mean C (part of the FQI) are being used throughout the Environmental Protection Agency (EPA) Region IV, in Mississippi (Ervin et al. 2006), Florida (Cohen et al. 2004), Georgia (Zomlefer et al. 2013), North Carolina (Yepsen 2012), Tennessee (Elam, pers. comm. 2015), and Kentucky (Shea et al. no date), as well as in many states outside of the Southeast (Wilhelm and Mazur 2016).

Although it is an excellent way to evaluate wetland condition, one drawback to floristic quality assessment has been the assertion that every plant species within a sampling area must be identified to accurately understand environmental condition. Identification of every species often requires a significant time commitment and a high level of expertise on the part of sampling personnel. Finding rapid ways to accurately assess wetland condition is imperative for state wetland monitoring programs, because staff time and funding is severely limited in many states, especially in the Southeast. Often states do not monitor their wetlands regularly, or at all, because they say it takes too long and costs too much. Cost-effective ways of monitoring that reduce required time and expense would enable greater participation and more baseline data collection on wetland condition. The development of a rapid floristic quality assessment procedure would save substantial time and allow for skilled non-botanists to collect the necessary data to determine wetland condition. A rapid index would make it easier to periodically monitor wetland quality to assess the status and trends of wetland condition, an activity required of NC in Section 305(b) of the Clean Water Act.

At present, only a few rapid floristic quality assessments have been tested. In Minnesota, Bourdaghs (2012) has successfully developed a timed meandering sampling method as a way of reducing the time required. His team created a species checklist for the most common and easiest to identify species for inclusion in their rapid FQI. Testing showed no significant difference between the rapid FQI and the full FQI in Minnesota. A rapid FQI based only on dominant species (as defined by percent cover) has also been tested in Pennsylvania with promising results (Chamberlain and Brooks 2016), but it was only tested for one wetland type (headwater wetlands) in that state.

North Carolina, and the Southeast in general, contains many wetland types, as well as an exceptional level of biodiversity within wetlands. The purpose of this project was to test a rapid index with data from a variety of NC wetlands. The major benefit to using only dominant species is that they tend to be more limited in number, so investigators can be more easily

trained to identify a limited species list. Recording information from only dominant species would save time and reduce the expertise required for data collection. In cases of unknown identification, fewer specimens would need to be identified by an expert botanist, and data processing would require less time.

A rapid index would be broadly applicable for use with the North Carolina Wetland Assessment Method (NCWAM; NC Wetland Functional Assessment Team 2010, 2016), impact area assessment for regulatory applications, identifying reference wetlands, mitigation assessment, and wetland condition monitoring. Its availability as a condition measure to a wider population (such as conservation organizations, consultants, mitigation banks, regulatory staff) could result in the increase of wetland quality in NC through the identification of high quality wetlands for impact avoidance or conservation efforts. Furthermore, mitigation or restoration efforts that result in higher FQI values could also be used as models for future mitigation or restoration, thereby increasing the quantity and quality of wetlands in NC.

Methods

Vegetation plot data compilation

The first step in this project was to obtain vegetation plot data from a variety of sources, including NC DWR, EPA's National Wetland Condition Assessment (NWCA) 2011 and 2016, Carolina Vegetation Survey (CVS), and the National Park Service (NPS). For each project, a database was compiled that included project name, plot number, plot location (latitude/longitude), habitat type (forested, shrub, marsh, freshwater, brackish, saltwater), species, and percent cover by species. Each of these data sources underwent quality control measures prior to release, and all vegetation data came from plots in which every species present was recorded and percent cover noted.

NC DWR has vegetation plot data from dozens of wetlands of varying types. These data were collected as part of several different projects under approved EPA Quality Assurance Project Plans. These data were compiled into a database under WPDG CD-00D25014 by NC State University and Research Triangle Institute (RTI). Vegetation species and cover data were extracted from this dataset to compute index values for this project.

National Wetland Condition Assessment vegetation data were used from North Carolina wetland sites in the 2011 and 2016 NWCA effort (72 sites).

The CVS (Peet et al. 1998) is a collaborative, multi-institutional research program designed to document the composition and status of the natural vegetation of the Carolinas. The Survey consists of a core group of scientists representing the University of North Carolina at Chapel

Hill, NC State University, Clemson University, Western Carolina University, The Citadel, The NC Botanical Garden, The NC Natural Heritage Program, The Nature Conservancy, NatureServe, and the Plant Protection Program of the NC Department of Agriculture. CVS collects vegetation inventory data using fixed plots and has designed data entry and quality-control tools to optimize the quality and flow of vegetation data from field sites into a common CVS data archive. Data obtained for CVS plots were downloaded from VegBank.org, a clearinghouse for vegetation plot data across the United States. The two spreadsheets used for this project included plot species records and plot descriptive information. Plot descriptive information included plot latitude/longitude, observation ID (plot number), project name, sampling date, natural vegetation community classification (CEGL code – Community Element Global code), and other information. Because CVS plots have been located in all types of habitats, wetland and upland, the CEGL codes were used to assign plots to the categories of wetland, upland, or unknown ("unknown" was assigned where no CEGL codes were included in the data). Plots were excluded from analysis if they had no percent cover data associated with them. In the end, 1,960 North Carolina CVS vegetation plots were used in the analysis.

This rapid index project also made use of PLOTS vegetation data collected by the National Park Service (NPS). Their vegetation inventory data has undergone rigorous quality reviews by NPS staff and is available through their website (science.nature.nps.gov/im/inventory/veg) as well as the vegetation data clearinghouse VegBank.org (Lea 2011, Lea and Curtis 2010). These data were collected under a standard protocol outlined in NPS documentation (National Park Service 2013). National Park Service PLOTS vegetation inventory data were obtained through the NPS website (https://science.nature.nps.gov/im/inventory/veg/index.cfm) for the National Parks in North Carolina for which data were available, namely Guilford County Courthouse National Military Park, Moores Creek National Battlefield, Carl Sandburg Home Historic Park, and Great Smoky Mountains National Park. In all instances, CEGL community classifications were available, so plots could be categorized into wetland or upland plots. Vegetation data were used from 148 NPS plots.

Plot sizes among these different sampling projects did vary; however, that was not a problem in calculating FQI values, because all species in each plot were recorded and each plot was meant to be large enough to be representative of the surrounding area.

After calculation of index values, a summary database was compiled which contained the following fields for each plot being included: project, site ID, latitude, longitude, salinity, plant structure, ecoregion, wetland/upland category, Ohio Rapid Assessment Method (ORAM) score, count of all species*, Mean C_{all}, FQI_{all}, Mean C_{dom}, FQI_{dom}, Mean C_{nogram}, FQI_{nogram}. In the end,

*Taxa were only included if they were identified to species level or beyond [variety or subspecies] because C values are not available at the genus level.

vegetation data were utilized from 2,292 plots located all across North Carolina (Figure 1); 2,009 of the plots were wetlands of various types (Tables 1 and 2). The summary dataset of plots, index values, and other information is included in Appendix A.

Figure 1. Map of site locations for the 2,292 sites used in project.

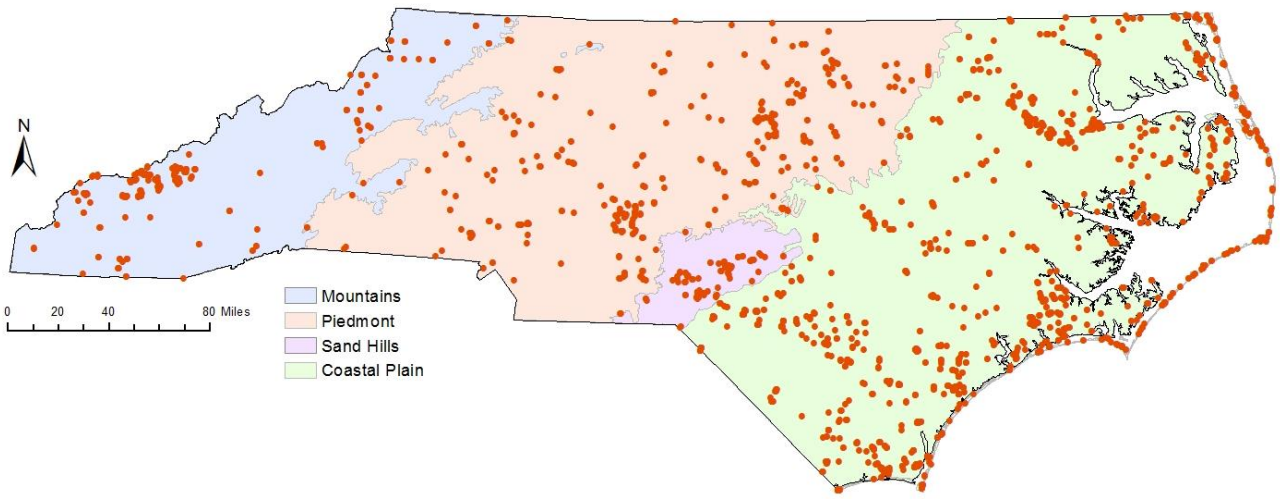


Table 1. Data sources used for the project.

Data Source	Years Collected	Number of Plots Included	Number of Wetland Plots
NC Division of Water Resources Projects	2005 - 2016	92	92
National Wetland Condition Assessment North Carolina Plots (2011 and 2016 combined)	2011, 2016	92	92
Carolina Vegetation Survey	1981 - 2015	1,960	1,800
National Park Service	1997 - 2010	148	25

Table 2. Number of wetland sites of each wetland structure and salinity type in each ecoregion.

Plant Structure	Salinity	Mountain	Piedmont	Coastal Plain
Forested	Freshwater	40	327	810
Forested	Brackish	-	-	57
Forested	Saltwater	-	-	-
Shrub	Freshwater	42	10	123
Shrub	Brackish	-	-	16
Shrub	Saltwater	-	-	43
Herbaceous	Freshwater	46	14	261
Herbaceous	Brackish	-	-	107
Herbaceous	Saltwater	-	-	108

Calculation of floristic quality indices

Floristic quality assessment makes use of species-specific Coefficients of Conservatism (C values) - numbers from 1 to 10 which are based on plant species' habitat requirements. High C values are associated with species restricted to high quality, undegraded habitats; low C values represent species found in a broad range of habitats, usually with a strong tolerance for anthropogenic disturbance. Non-native species are assigned a rating of zero, as they are considered to contribute no conservation value to an area. C values are assigned by expert botanists, and, although they are subjective, have been shown to carry a great deal of ecological information, especially when considered collectively for species assemblages (Matthews et al. 2015).

Calculation of floristic quality indices for this project involved utilizing the Southeast Wetland Plant Coefficient of Conservatism database (Gianopulos 2014) to match C values with species identified for all sites compiled. The Taxonomic Name Resolution service (Boyle et.al. 2013) was utilized to ensure all species lists conformed to the USDA's naming convention before matching them to the C value database which uses USDA nomenclature (USDA, NRCS 2018). Floristic Quality Index values were computed for each site using the following FQI formula (Swink and Wilhelm 1994):

$$FQI = \overline{C} \times \sqrt{N}$$

Where:

$\overline{C}$ = Mean Coefficient of Conservatism

N = Number of species, including non-native species

Mean C, which is the floristic quality indicator used by Chamberlain and Brooks (2016), was also tested for performance alongside FQI.

For calculation of rapid indices Mean C_{dom} and FQI_{dom}, dominance was determined using the 50/20 rule for wetland delineations, which defines dominance as "the most abundant plant species (when ranked in descending order of abundance and cumulatively totaled) that immediately exceed 50% of the total dominance measure for the stratum, plus any additional species that individually comprises 20% or more of the total dominance measure for the stratum" (Gage and Cooper, 2010). Dominant herbaceous and vine species were flagged separately from dominant tree and shrub species using the rule, then Mean C_{dom} and FQI_{dom} were calculated using all species flagged as dominant.

Statistical testing of rapid floristic quality indices

Regression Analyses: I used linear regression methods also used by Chamberlain and Brooks (2016) to test how well the rapid indices predicted the full species list indices for wetlands in NC. I also tested how well the rapid indices were correlated with ORAM and NCWAM ratings where available.

Responsiveness to Selective Removal of Graminoids: Graminoids (rushes, sedges, and grasses) can be particularly challenging to identify, and often require flowers for identification. It is important to know how excluding them (whether intentionally or unintentionally) affects the efficacy of the rapid index as a condition metric. Using linear regression, I tested how sensitive the rapid indices were to the selective removal of graminoids species, for forested, shrub and herbaceous wetlands.

Wetland Type Analysis: Originally, NCWAM wetland types were planned to be used to examine whether wetland type affected the results; however, the limited site descriptions available through CVS and NPS did not allow categorization of sites into the 16 different NCWAM wetland types without being on site. Information available for many (but not all) sites included plant community classification codes, so sites could be categorized by plant structure (forested, shrub, herbaceous) and salinity (freshwater, brackish and saltwater). These community classifications were also used as much as possible to categorize sites as wetlands and uplands (or unknown, for instances where no community information was reported). The broader categories of forested, shrub, and herbaceous may be useful to other states and easier for users unfamiliar with the differences among the various NCWAM wetland types.

Table 3. Crosswalk table of NCWAM wetland types to simplified plant structure and salinity.

NCWAM Wetland Type	Plant Structure	Salinity
Estuarine Woody Wetland	Forested	Brackish
Basin Wetland	Forested	Freshwater
Bottomland Hardwood Forest	Forested	Freshwater
Floodplain Pool	Forested	Freshwater
Hardwood Flat	Forested	Freshwater
Headwater Forest	Forested	Freshwater
Non-Riverine Swamp Forest	Forested	Freshwater
Pine Flat	Forested	Freshwater
Pine Savanna	Forested	Freshwater
Riverine Swamp Forest	Forested	Freshwater
Seep	Forested	Freshwater
Brackish/Salt Marsh	Herbaceous	Brackish or Saltwater
Tidal Freshwater Marsh	Herbaceous	Freshwater
Non-Tidal Freshwater Marsh	Herbaceous	Freshwater
Bog	Herbaceous, Shrub, or Forested	Freshwater
Pocosin	Shrub	Freshwater

Results

Regression Analyses

Predictive Ability of FQI_{dom} and Mean C_{dom}

Calculation of the Floristic Quality Index includes number of species as well as Mean C value. A linear regression analysis of the FQI_{all} vs. FQI_{dom} did not perform as well as using Mean C alone, as in Chamberlain and Brooks (2016) (Figure 2). Both FQI_{dom} and Mean C_{dom} were successfully able to predict FQI_{all} and Mean C_{all}, but the fit for FQI ($r^2 = 0.28$) was not as good as Mean C ($r^2 = 0.65$) (Figure 3). This is likely because the FQI formula includes number of species, and the number of dominant species varied from comprising the entire species list to comprising only one species. Mean C, however, is unaffected by number of species, and appears to be a more robust measure when considering a subset of the total species list. Chamberlain and Brooks (2016) came to a similar conclusion.

In some vegetation plots, the total number of species was fewer than 10, so there was some concern that C_{dom} would not be predictive of C_{all} in these cases. However, for plots with fewer than 10 species, C_{dom} was still able to successfully predict C_{all} ($p<0.0001$, $r^2 = 0.64$, N=350) (Figure 4). The regression was rerun with plots having fewer than 5 species, with the same result ($p<0001$, $r^2 = 0.80$, N=126), so number of species identified in a plot does not appear to affect the relationship between C_{dom} and C_{all}.

Figure 2. Regression analysis of FQI_{all} (all species) and FQI_{dom} (dominant species only) ($p<0.0001$, N = 2292).

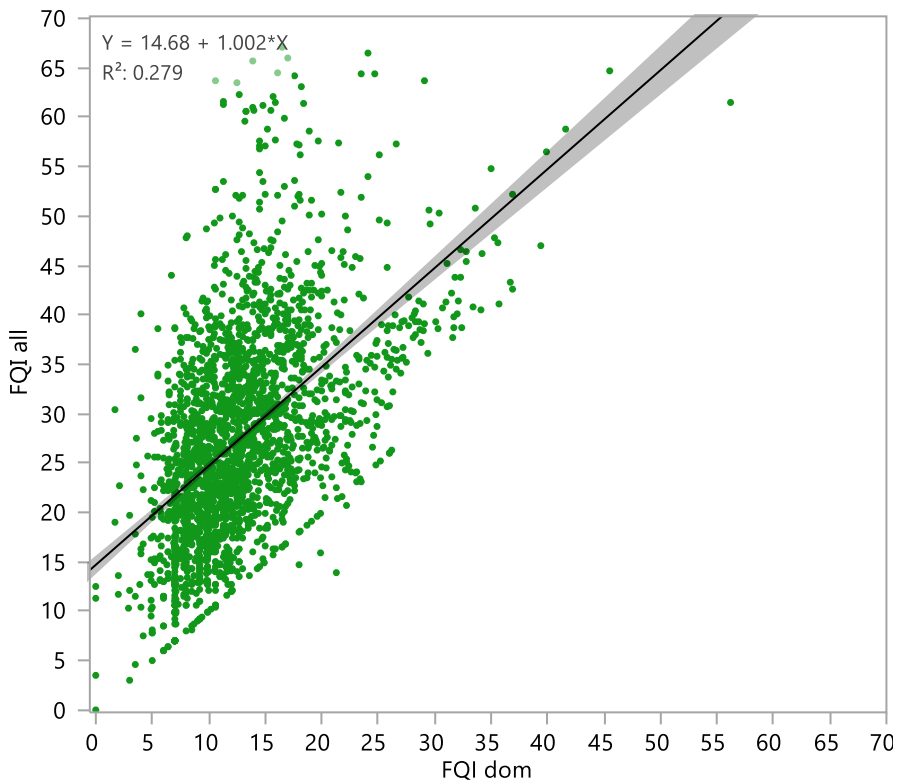


Figure 3. Linear regression analysis of Mean C_{dom} (dominant species only) with Mean C_{all} (all species) ($p<0.0001$, N = 2292).

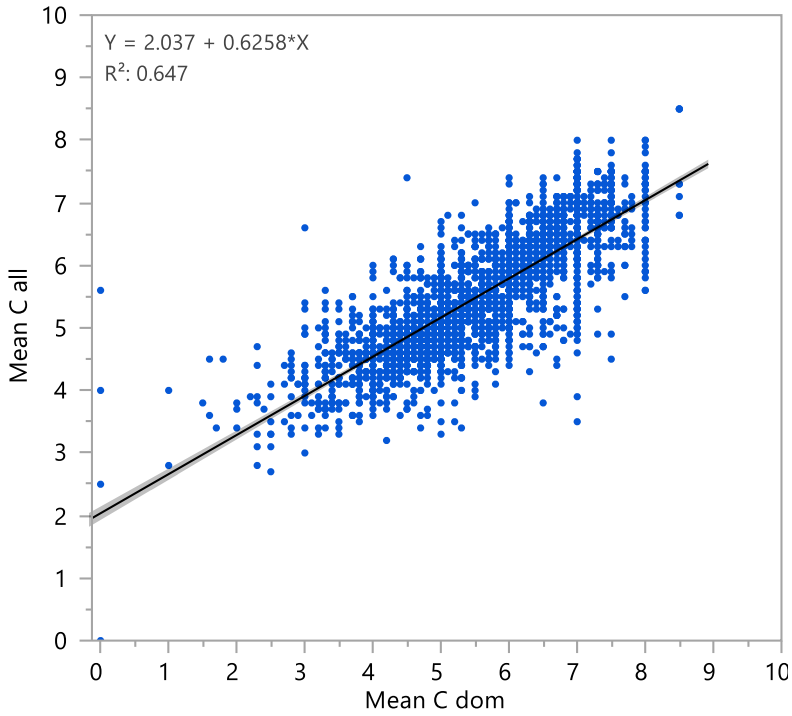
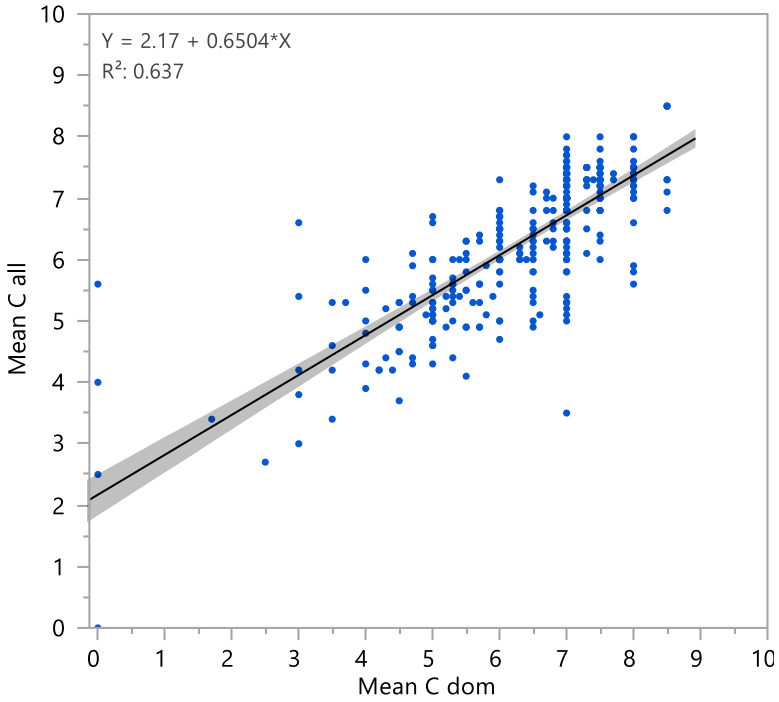


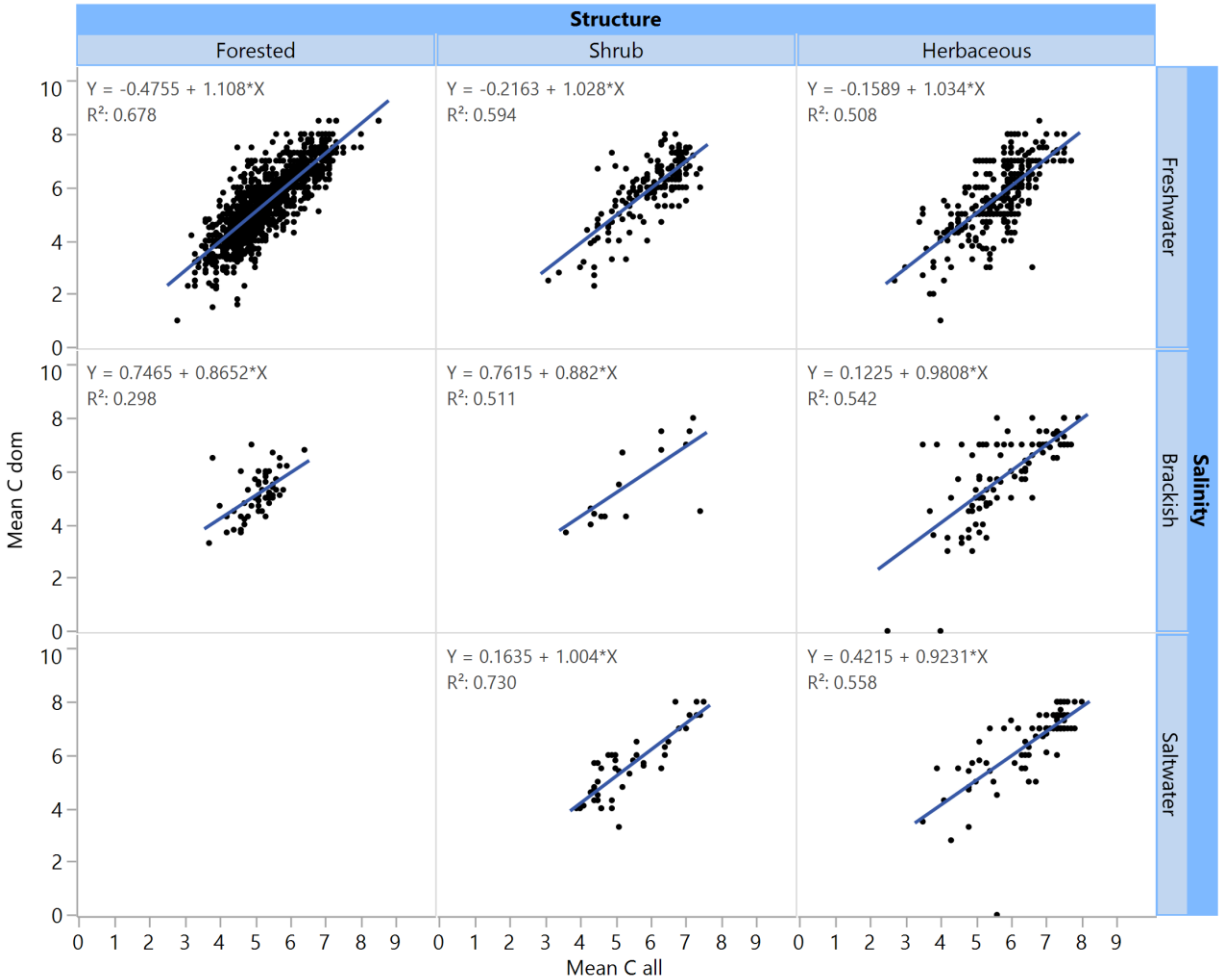
Figure 4. Linear regression of analysis of Mean C_{dom} (dominant species only) with Mean C_{all} (all species) when total number of species was less than 10 ($p<0.0001$, N=350).



Wetland type analysis

C_{dom} was significantly related to C_{all}, regardless of wetland plant structure and salinity (Figure 5). The slope of the best-fit line differed somewhat for brackish forested wetlands, which had a wider scatter of points around the line, so caution is advisable when using C_{dom} in this wetland type until further study is done. Otherwise, wetland plant structure and salinity generally did not affect the relationship between C_{dom} and C_{all}.

Figure 5. Relationships between Mean C_{dom} and Mean C_{all}, by plant structure and salinity, for wetland plots (p<0.01 for all relationships).



Selective removal of graminoid species

Graminoid families were selectively removed to determine how their exclusion affected the indices. Analysis without graminoid species had to be performed with fewer sites because 43 sites contained only graminoid species. However, on sites with a mix of non-graminoid species

and graminoids, selectively removing graminoids did not change the predictive ability of the either the FQI or Mean C index (Figures 6 and 7). The non-graminoid indices were successfully able to predict those calculated with all species, even in herbaceous marshes, although 5 herbaceous marsh sites had to be excluded because all species were graminoids (Figures 8 and 9). Removing graminoids for index calculation in herbaceous marshes appeared to impact Mean C more than FQI.

Chamberlain and Brooks (2016) found that removing graminoid species had no significant effect on Mean C. Bourdaghs (2012) also found that removing difficult-to-identify species, many of which are graminoids, had no effect on overall FQI.

Figure 6. Regression analysis of FQI_{all} (all species) and $FQI_{no\text{-}gram}$ (graminoids excluded), all sites combined ($p<0.0001$, N =2249).

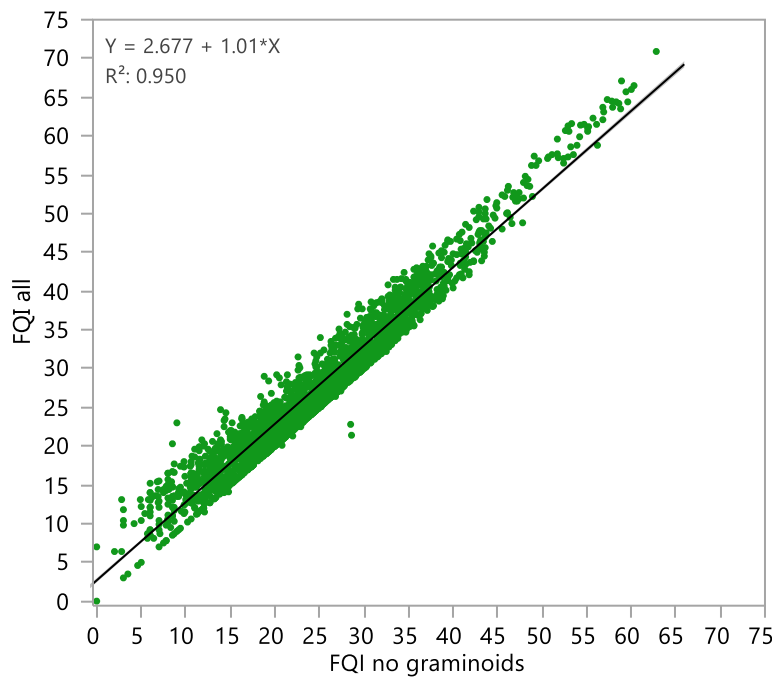


Figure 7. Regression analysis of Mean C_{all} (all species) and Mean $C_{no\text{-}gram}$ (graminoids excluded), all sites combined ($p<0.0001$, N=2249).

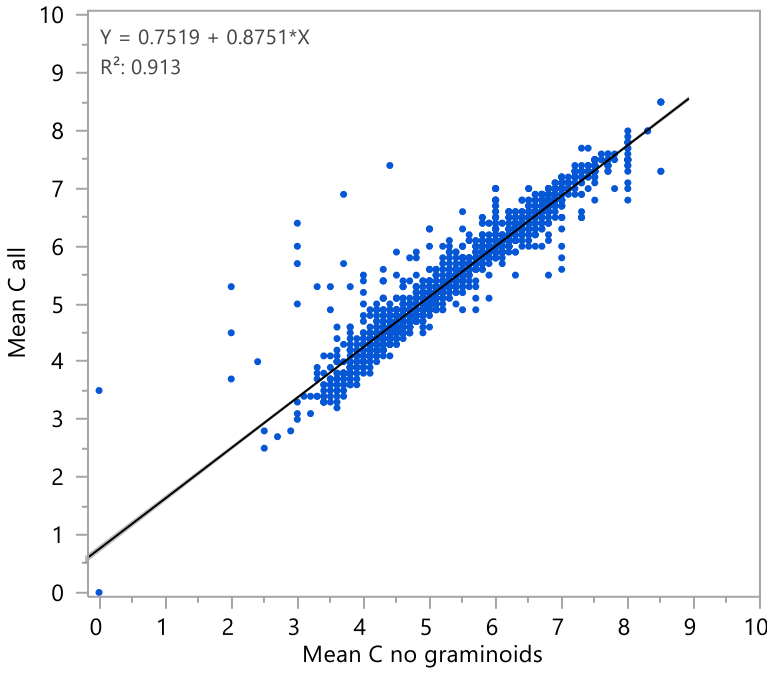


Figure 8. Regression analysis of $FQI_{no\text{-}gram}$ (graminoids excluded) with FQI_{all} (all species) ($p<0.0001$ for all; N=1505 forested, 237 shrub, and 507 herbaceous).

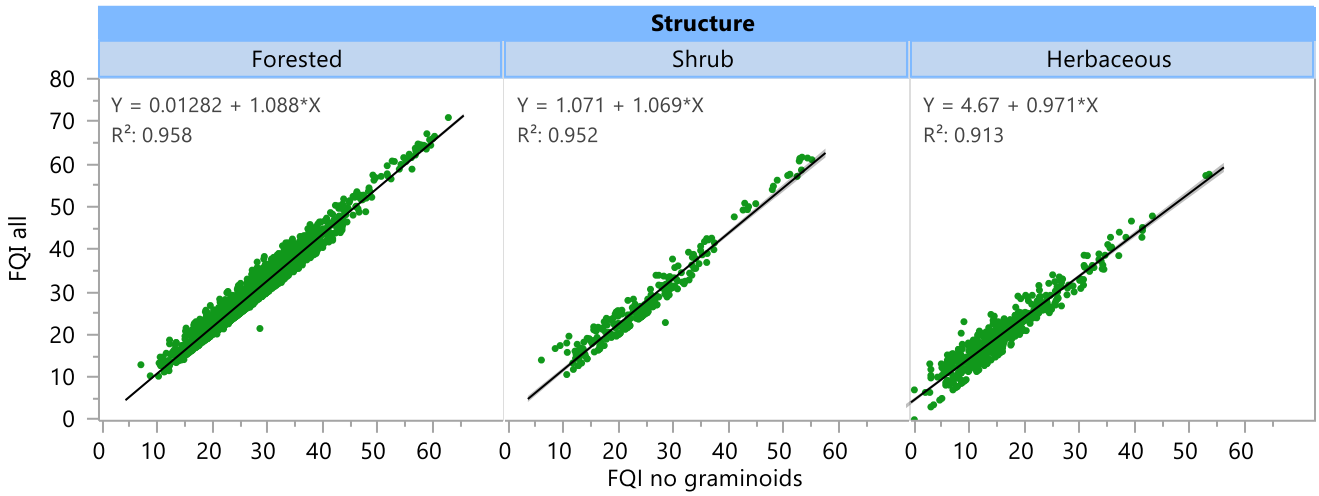
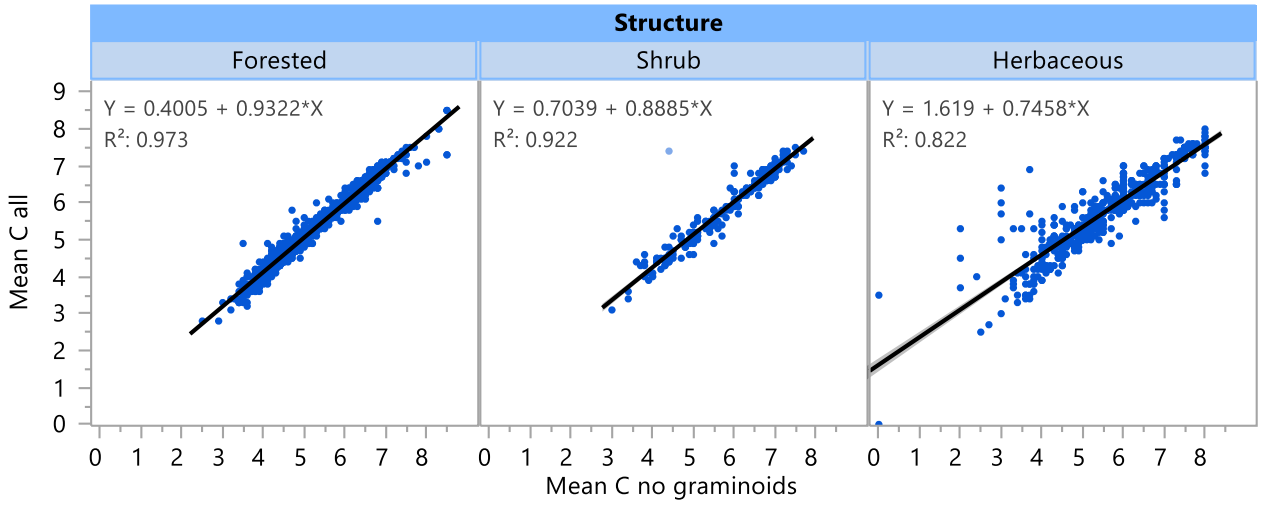


Figure 9. Regression analysis of Mean $C_{no\text{-}gram}$ (graminoids excluded) with Mean C_{all} (all species)($p<0.0001$ for all; N=1505 forested, 237 shrub, and 507 herbaceous).



Mean C, NCWAM, and ORAM

The goal of this analysis was to discover if Mean C_{dom} related to NCWAM ratings or ORAM scores. The NCWAM is a rapid wetland assessment method that uses a series of qualitative questions to assess the level of hydrological, water quality, and habitat functions a wetland is performing and has the potential (opportunity) to perform. ORAM focuses more specifically on biological habitat quality of wetlands.

NCWAM ratings were available for 162 wetlands, as this assessment method was only used with NC DWR and North Carolina NWCA wetland sites. On 120 forested wetland sites, Mean C_{all} and Mean C_{dom} were slightly higher on NCWAM "High" quality sites and lower on NCWAM "Low" quality sites (average Mean C_{all} on NCWAM low quality sites was 3.8 and high-quality sites was 4.4) (Figure 10). Only Mean C_{all} was significantly higher on "High" quality sites than on "Low" quality sites (Wilcoxon signed rank test, $p=0.016$). Variability within NCWAM site categories was notably large. Small sample sizes prevented detection of patterns with shrub and herbaceous wetlands (42 total).

In North Carolina, we use an adjusted ORAM with a maximum score of 90 (one of ORAM's submetrics concerning specific habitat types is not relevant to North Carolina). We have used ORAM in our site evaluations because it is a good measure of wetland habitat quality. Mean C was significantly correlated with ORAM scores for wetlands where ORAM results were available (Spearman's rho = 0.51 to 0.60, $p<0.0001$, N=162) (Figures 11). Of the three main wetland plant structure types (forested, shrub, and herbaceous), C_{dom} was most highly correlated with ORAM scores for herbaceous wetlands, though the relationship was significant for all types ($p \leq 0.03$ for all) (Figure 12). Evaluation by salinity and ecoregion showed no change to these results.

Figure 10. Comparison of Mean C_{dom} and Mean C_{all} values to NCWAM ratings in forested wetlands (N=120).

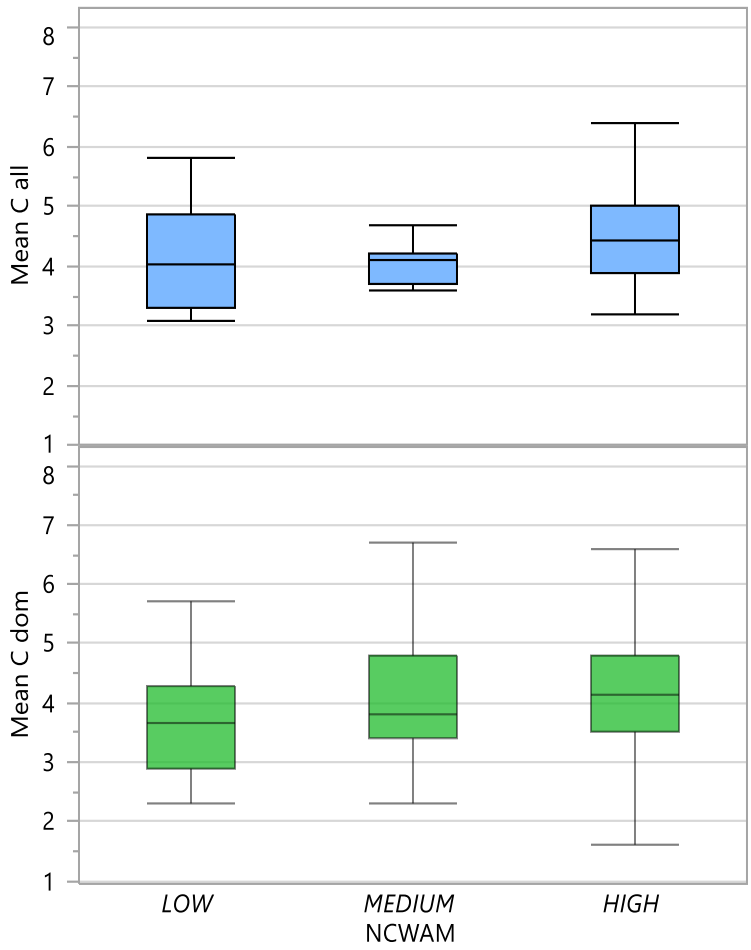
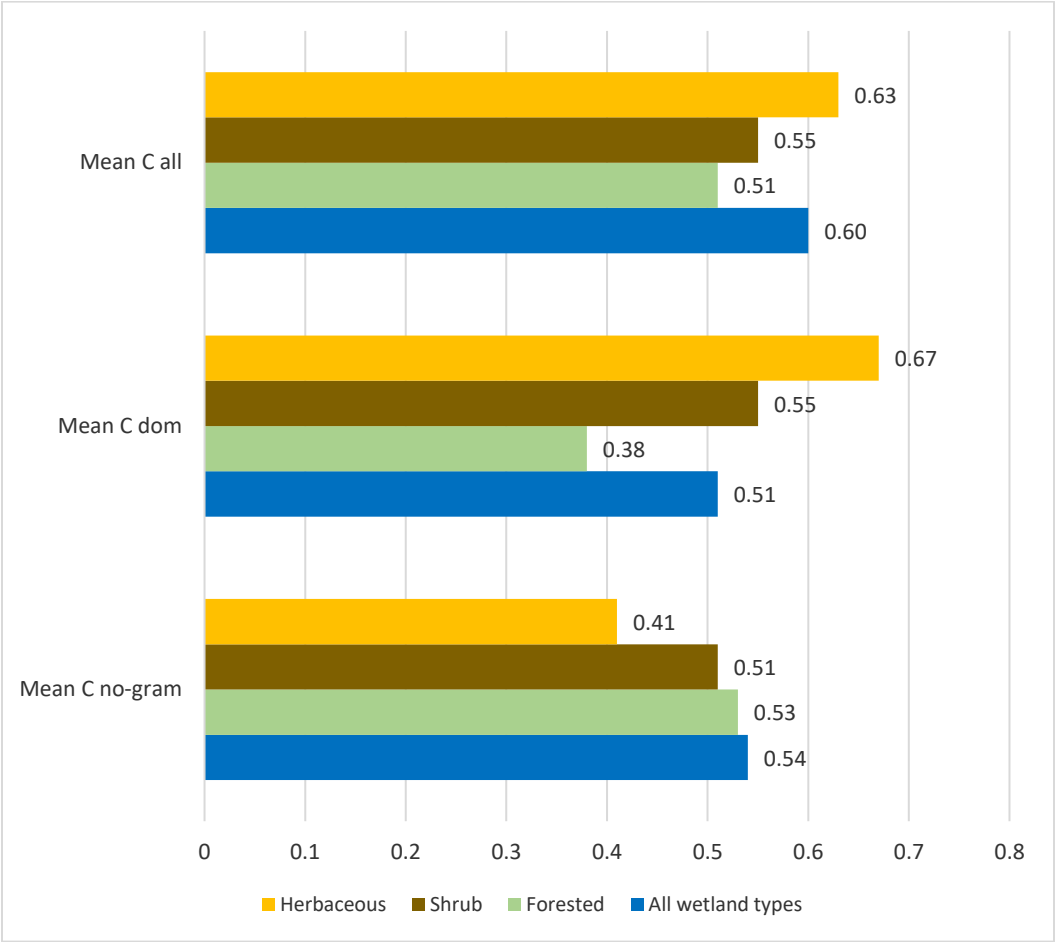


Figure 11. Strength of significant Spearman's correlations between Mean C and ORAM for all wetlands and by wetland plant structure (all p≤0.03).



Floristic Quality in North Carolina Wetlands

Species richness across all wetland sites ranged from one to 170, with a mean of 31. Mean C_{all} in 2,009 North Carolina wetlands ranged from 0.0 to 8.5, and it was generally lower in the Piedmont and inner Coastal Plain (Figures 12 and 13). Mountain wetlands and outer coastal wetlands, in general, had the highest floristic quality, along with wetlands in the Sand Hills and southeastern quarter of the state (Figure 14). The highest quality wetlands within this dataset included 185 CVS sites, two National Park Services sites, and 9 NWCA plots (mean C_{all} between 7.0 and 9.0). Shrub and herbaceous wetlands showed higher mean C than forested wetlands (Figure 15).

Figure 12. Mean C_{all} in wetlands across North Carolina (N=2,009, years 1981-2016).

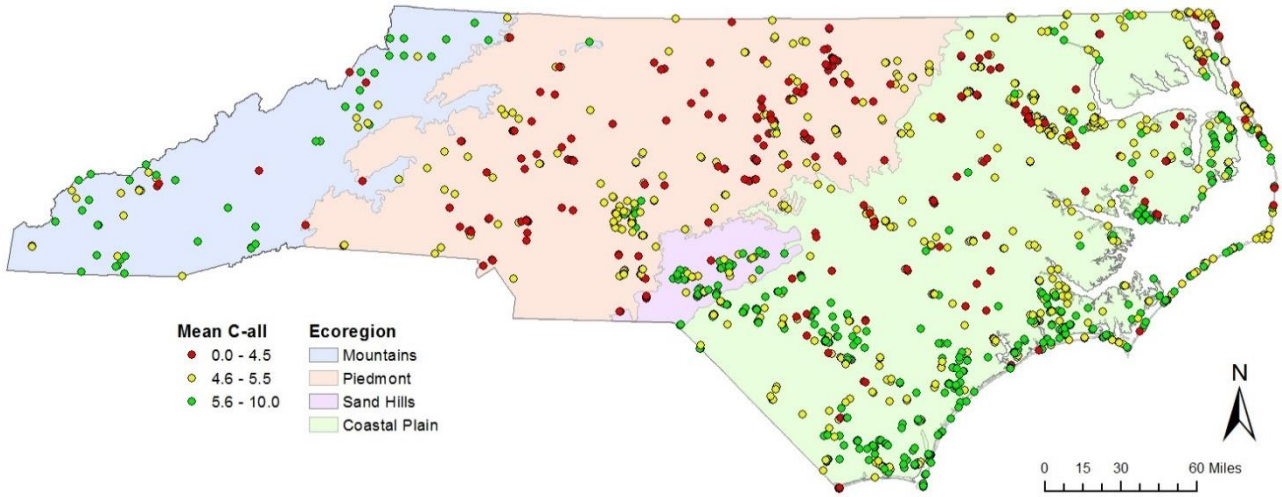


Figure 13. Mean C_{all} and Mean C_{dom} boxplots for mountain, piedmont, and coastal plain wetlands across North Carolina, years 1981-2016.

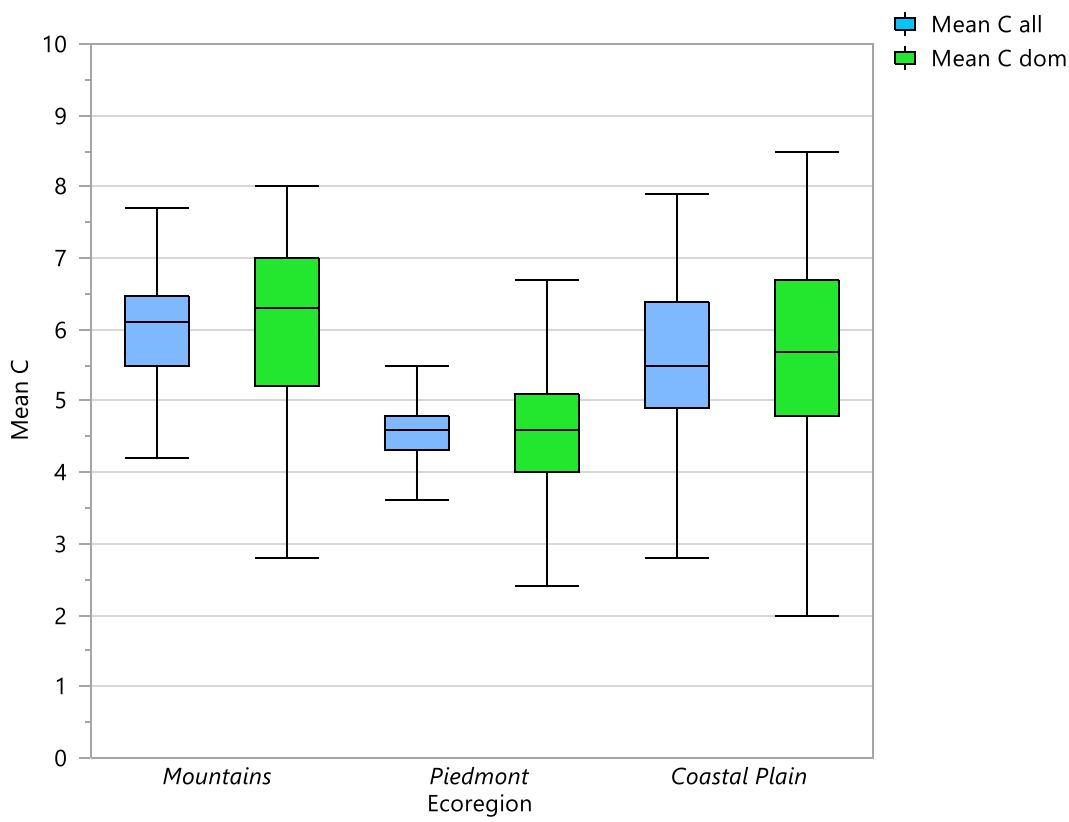


Figure 14. Cluster map of wetland sites with the highest floristic quality (Mean $C_{all} \geq 7.0$) (N=196, years 1981-2016).

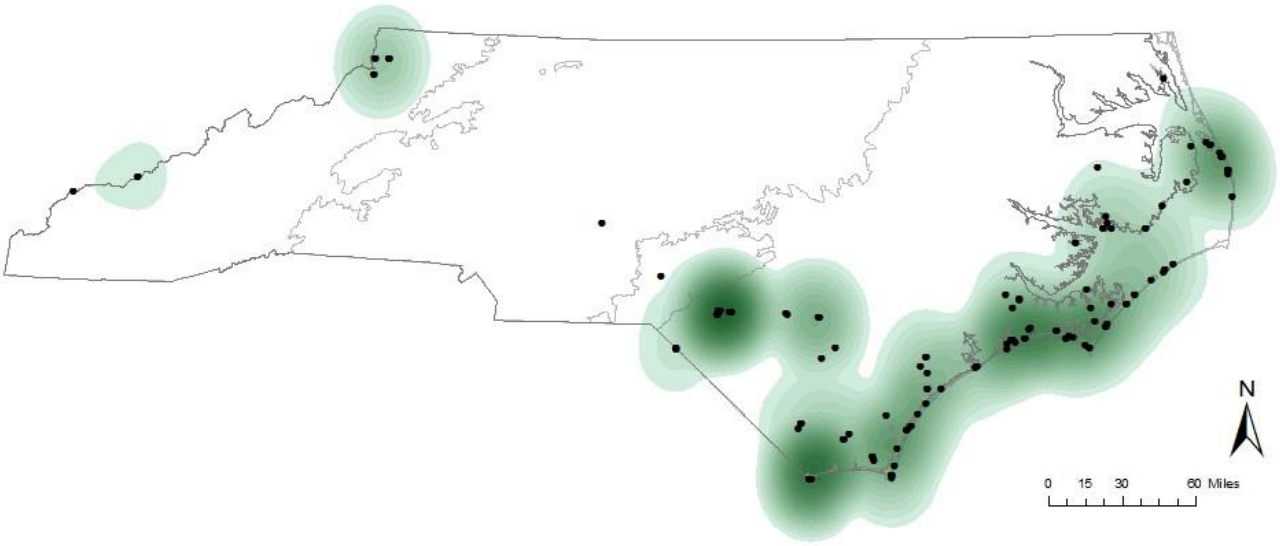
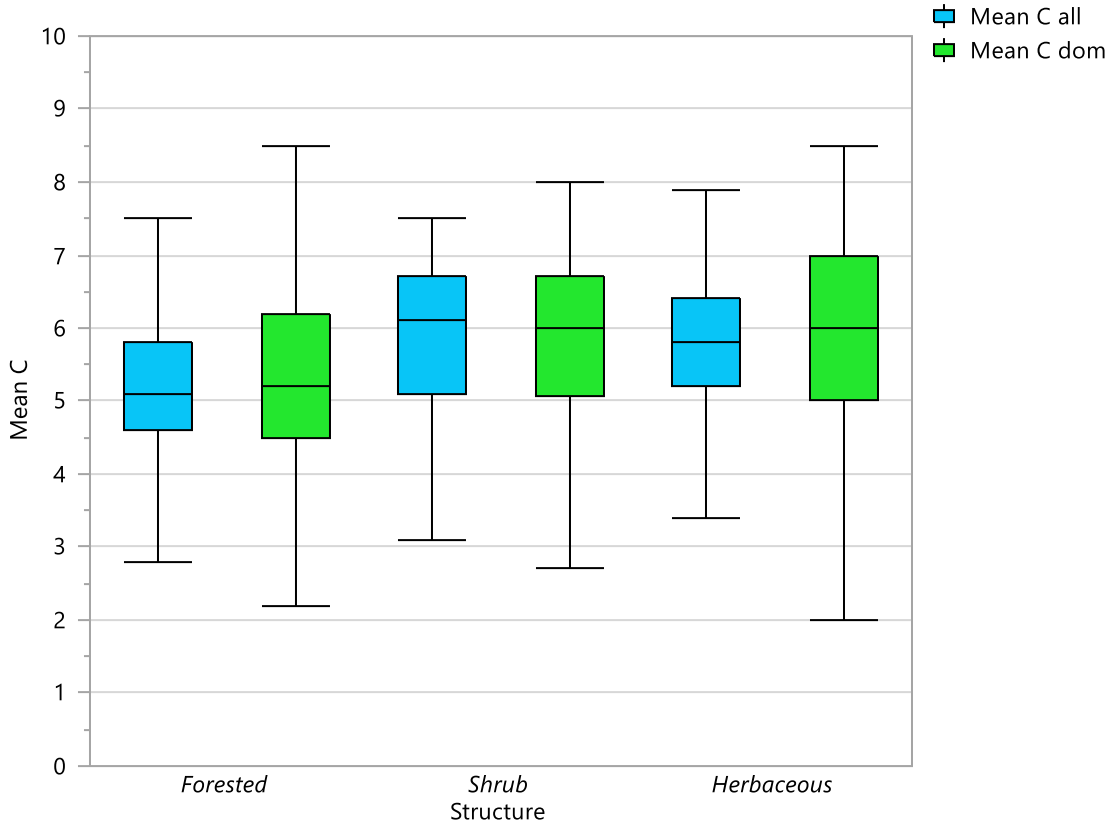


Figure 15. Mean C_{all} and Mean C_{dom} boxplots for forested, shrub, and herbaceous wetlands across North Carolina, years 1981-2016.



Conclusion

The results of this project, along with Chamberlain and Brooks' study (2016), show that a rapid index of floristic quality, in the form of Mean C of dominant plant species by cover (C_{dom}), is a valid tool for practitioners to use in gauging floristic quality in North Carolina's wetlands, even in situations of low total species diversity. Although Mean C does not incorporate number of species in its calculation like the traditional FQI formula does, it has the benefit of being on a closed-ended scale, making it easier to understand and compare among sites. In other words, definitions of C values exist, and make Mean C meaningful on a scale from zero to 10.

In instances where a more complete census is required or desired, these results show that excluding difficult-to-identify graminoids did not have a major impact on Mean C or FQI, even in herbaceous dominated marshes. However, in a few instances sites had to be dropped because all species in the plots were graminoids. Obviously in those situations, a no-graminoid index would not be useful, but Mean C_{dom} still could be.

The NCWAM is currently used to report baseline wetland condition as part of the US Army Corps of Engineers' mitigation permitting process in NC. Overall, NCWAM ratings were not highly correlated with floristic quality. Since NCWAM ratings showed limitations in indicating floristic quality, mean C should be used as supplemental information. To complete the NCWAM, an assessor is required to rate whether the vegetative composition (species diversity and proportions) is "close to reference condition", "different from reference condition", or "severely altered from reference condition". The NCWAM User Manual could potentially be modified to include ranges of reference wetland mean C or FQI values to define these categories more clearly. Utilizing a rapid index, Mean C_{dom}, could allow practitioners to more quickly identify reference condition as well as the extent of deviation from reference.

All mean C indices were significantly correlated with ORAM, which reflects ORAM's focus on habitat quality and further justifies its use in assessing wetland biological condition and quality.

The availability of Mean C_{dom} or Mean $C_{no\text{-}gram}$ as valid tools will increase cost effectiveness of wetland condition assessment by decreasing the amount of time required to assess a site, decreasing the level of expertise needed to calculate the index, and expediting data processing. The availability of this tool will also make it possible to assess more wetlands across the state, a real need in rapidly changing landscapes. Awareness of where high-quality wetland plant communities are clustered can help focus conservation and preservation efforts and inform permitting decisions. Also, an understanding that wetlands in the Piedmont and inner Coastal Plain, the most agricultural regions of North Carolina, show the lowest floristic quality could encourage restoration efforts focused on these areas.

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Appendix A

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
Compiled DWR	Batchelor	Freshwater	Forested	Coastal Plain	Wetland	2005	34.78426473	-77.66186067	70	HIGH	31	5.4	30.2	5	5.0	11.2	30	5.4	29.4	
Compiled DWR	Battle Park	Freshwater	Forested	Coastal Plain	Wetland	2005	35.96217872	-77.80375474	56	HIGH	44	3.8	25.5	5	4.0	8.9	42	3.8	24.8	
Compiled DWR	Belton Creek	Freshwater	Forested	Piedmont	Wetland	2009	36.24327351	-78.59451671	60	HIGH	24	4.1	20.0	4	4.5	9.0	22	4.0	18.8	
Compiled DWR	Black Ankle Non-Powerline	Freshwater	Forested	Piedmont	Wetland	2005	35.50270388	-79.8195357	64	HIGH	58	4.6	35.3	6	4.2	10.2	51	4.6	33.1	
Compiled DWR	Bluegreen Golf	Freshwater	Forested	Coastal Plain	Wetland	2009	33.98060472	-78.23708962	47	MEDIUM	31	5.0	28.1	3	6.7	11.5	28	4.9	26.2	
Compiled DWR	Boddie Noell	Freshwater	Forested	Coastal Plain	Wetland	2005	35.9740346	-77.81692886	36	HIGH	37	4.0	24.4	4	3.8	7.5	34	4.2	24.3	
Compiled DWR	Cox	Freshwater	Forested	Coastal Plain	Wetland	2005	34.2796998	-78.78460936	44	HIGH	49	5.0	34.7	8	5.9	16.6	49	5.0	34.7	
Compiled DWR	Dargan	Freshwater	Forested	Piedmont	Wetland	2009	36.36213429	-78.62534735	80	HIGH	18	4.6	19.3	5	4.2	9.4	16	4.6	18.5	
Compiled DWR	Dean	Freshwater	Forested	Piedmont	Wetland	2009	36.27997775	-78.61321264	70	HIGH	21	3.9	17.7	4	4.3	8.5	17	4.1	16.7	
Compiled DWR	Doe Creek	Freshwater	Forested	Coastal Plain	Wetland	2009	34.00477168	-78.27963313	77	HIGH	68	5.0	41.0	5	6.0	13.4	61	5.0	38.9	
Compiled DWR	Duke Forest	Freshwater	Forested	Piedmont	Wetland	2005	35.9680197	-79.09739288	54	HIGH	52	4.5	32.2	5	4.0	8.9	51	4.5	32.5	
Compiled DWR	East of Fayetteville North	Freshwater	Forested	Coastal Plain	Wetland	2005	35.07499077200	-78.79539586090	65	HIGH	29	5.8	31.0	4	4.5	9.0	28	5.7	30.2	
Compiled DWR	East of Fayetteville South	Freshwater	Forested	Coastal Plain	Wetland	2005	35.06950280260	-78.79674520140	57	HIGH	46	4.5	30.8	5	5.0	11.2	45	4.5	30.4	
Compiled DWR	East of Mason	Freshwater	Forested	Piedmont	Wetland	2005	35.68582512	-78.92673546	60	HIGH	46	5.1	34.5	6	4.0	9.8	45	5.1	34.0	
Compiled DWR	Eastwood	Freshwater	Forested	Piedmont	Wetland	2009	36.3711084	-78.6033327	41	MEDIUM	47	3.6	24.6	5	3.8	8.5	31	3.4	18.9	
Compiled DWR	Fairport	Freshwater	Forested	Piedmont	Wetland	2009	36.27029231	-78.56822404	62	HIGH	16	4.3	17.0	5	4.2	9.4	16	4.3	17.0	
Compiled DWR	Fire Tower	Freshwater	Forested	Piedmont	Wetland	2005	35.33634091	-79.60103055	46	HIGH	46	4.7	31.7	6	5.0	12.2	44	4.6	30.6	
Compiled DWR	Goldston	Freshwater	Forested	Piedmont	Wetland	2009	36.27189139970	-78.60483484910	45	HIGH	33	3.8	21.6	6	3.2	7.8	27	3.7	19.1	
Compiled DWR	Gray	Freshwater	Forested	Piedmont	Wetland	2009	36.18276023	-78.55937604	61	LOW	59	4.6	35.5	16	3.6	14.4	54	4.7	34.7	
Compiled DWR	Hancock	Freshwater	Forested	Piedmont	Wetland	2009	36.31495128	-78.56427664	52	MEDIUM	33	3.6	20.9	9	3.7	11.0	26	3.5	18.0	
Compiled DWR	Hewett Wildlife	Freshwater	Forested	Coastal Plain	Wetland	2009	33.98580118950	-78.24992723690	80	HIGH	62	5.0	39.1	8	6.0	17.0	50	4.9	34.9	
Compiled DWR	Hog Farm Lower	Freshwater	Forested	Coastal Plain	Wetland	2005	34.81593126	-78.34451115	38	MEDIUM	34	4.2	24.6	5	3.0	6.7	34	4.2	24.6	
Compiled DWR	Hog Farm Upper	Freshwater	Forested	Coastal Plain	Wetland	2005	34.81324643	-78.34732348	43	HIGH	38	4.5	27.5	5	1.6	3.6	37	4.4	27.0	
Compiled DWR	Kelly Road	Freshwater	Forested	Piedmont	Wetland	2005	35.7070338	-78.88270809	48	HIGH	43	4.3	28.3	4	4.8	9.5	37	4.4	26.9	
Compiled DWR	Kim-Brooks	Freshwater	Forested	Piedmont	Wetland	2009	36.27448207	-78.6061374	56	HIGH	39	4.3	27.1	4	4.0	8.0	33	4.4	25.2	
Compiled DWR	Lockwood	Freshwater	Forested	Coastal Plain	Wetland	2009	34.01044666	-78.26455371	75	HIGH	58	5.2	39.4	10	4.6	14.5	56	5.2	38.9	
Compiled DWR	Martin-Amment	Freshwater	Forested	Coastal Plain	Wetland	2009	33.9767604	-78.19587828	77	HIGH	24	4.9	23.9	8	4.1	11.7	22	4.9	22.8	
Compiled DWR	Mercer Seawatch	Freshwater	Forested	Coastal Plain	Wetland	2009	33.96446433	-78.18477496	78	HIGH	78	5.2	45.9	15	5.9	23.0	61	5.0	39.1	
Compiled DWR	Mill Creek	Freshwater	Shrub	Coastal Plain	Wetland	2009	33.96616905	-78.21654243	68	HIGH	23	5.0	23.8	6	6.8	16.7	20	4.9	21.7	
Compiled DWR	Moonshine	Freshwater	Forested	Piedmont	Wetland	2005	35.75363353	-78.69302302	42	HIGH	50	4.5	31.5	5	4.0	8.9	46	4.5	30.4	
Compiled DWR	Munn	Freshwater	Forested	Piedmont	Wetland	2009	36.17578053	-78.56080241	73	HIGH	36	3.8	23.1	6	3.3	8.2	34	4.0	23.2	
Compiled DWR	Nahunta	Freshwater	Forested	Coastal Plain	Wetland	2005	35.50447662	-78.08301252	48	MEDIUM	45	4.3	28.7	7	3.9	10.2	44	4.3	28.6	
Compiled DWR	NC12-01	Freshwater	Forested	Piedmont	Wetland	2012	36.09819669360	-80.52482452510	54	HIGH	51	3.7	26.1	13	3.3	11.7	39	3.9	24.1	
Compiled DWR	NC12-02	Freshwater	Forested	Coastal Plain	Wetland	2012	35.35448175110	-78.28183121080	42	MEDIUM	55	3.9	28.9	17	3.4	14.0	46	3.8	26.0	
Compiled DWR	NC12-03	Freshwater	Forested	Coastal Plain	Wetland	2012	35.47909391000	-77.85834603980	36	LOW	24	4.1	20.0	11	3.7	12.2	22	4.1	19.2	
Compiled DWR	NC12-05	Freshwater	Forested	Coastal Plain	Wetland	2012	35.48502551990	-77.86401237480	47	HIGH	33	4.2	24.2	17.5	3.5	14.6	30	4.3	23.4	
Compiled DWR	NC12-06	Freshwater	Forested	Coastal Plain	Wetland	2012	35.49988017300	-77.86840512740	59	HIGH	55	4.2	30.9	19	3.8	16.6	45	4.3	28.5	
Compiled DWR	NC12-07	Freshwater	Forested	Coastal Plain	Wetland	2012	35.01597721070	-77.56962006440	64	HIGH	52	3.5	25.2	15	3.8	14.5	38	3.6	22.3	
Compiled DWR	NC12-09	Freshwater	Forested	Coastal Plain	Wetland	2012	35.90377860110	-76.16290089650	59	HIGH	12	4.0	13.9	16	5.3	21.3	10	3.8	12.0	
Compiled DWR	NC12-10	Freshwater	Forested	Coastal Plain	Wetland	2012	35.49326469250	-77.86687929480	38	HIGH	54	3.7	27.4	17	3.4	14.0	47	3.7	25.3	
Compiled DWR	NC12-12	Brackish	Shrub	Coastal Plain	Wetland	2012	35.39060291770	-76.29621319930	45	MEDIUM	37	3.6	22.2	11	3.7	12.2	27	3.4	17.9	
Compiled DWR	NC12-17	Freshwater	Forested	Piedmont	Wetland	2012	35.30686057440	-80.70574931810	43	HIGH	61	3.8	29.4	14	3.5	13.1	48	3.8	26.6	
Compiled DWR	NC12-18	Freshwater	Forested	Coastal Plain	Wetland	2012	34.85389604910	-78.75488681280	60	HIGH	38	4.4	26.9	12	4.0	13.9	32	4.3	24.4	
Compiled DWR	NC12-20	Freshwater	Herbaceous	Mountains	Wetland	2012	36.14291910390	-81.85976704550	46	HIGH	54	4.0	29.2	16	4.0	16.0	39	3.8	23.9	
Compiled DWR	NC12-21	Freshwater	Forested	Piedmont	Wetland	2012	35.72946627440	-80.75435891350	32	HIGH	51	4.0	28.4	20	4.0	17.9	45	4.0	27.1	
Compiled DWR	NC12-22	Freshwater	Herbaceous	Mountains	Wetland	2012	36.14381549150	-81.86023195310	46	HIGH	48	3.9	26.8	17	4.3	17.5	37	3.8	22.9	
Compiled DWR	NC12-25	Freshwater	Forested	Coastal Plain	Wetland	2012	36.11882817420	-76.85066335590	45	HIGH	45	3.8	25.6	17	3.4	14.0	39	3.7	23.4	
Compiled DWR	NC12-26	Freshwater	Forested	Piedmont	Wetland	2012	35.93597425920	-80.11875574710	53	HIGH	67	3.8	30.8	38	4.2	26.0	52	3.7	26.7	
Compiled DWR	NC12-27	Freshwater	Forested	Piedmont	Wetland	2012	34.86616594200	-80.04828888810	59	HIGH	63	3.7	29.1	10	3.3	10.5	48	3.5	24.2	
Compiled DWR	NC12-28	Freshwater	Forested	Coastal Plain	Wetland	2012	34.89205515990	-77.65330653270	42	HIGH	43	4.0	26.1	12	4.0	13.9	36	4.0	24.2	
Compiled DWR	NC12-30	Freshwater	Forested	Piedmont	Wetland	2012	35.96598939170	-78.99845956660	48	HIGH	59	4.1	31.2	24	4.0	19.6	40	4.2	26.6	
Compiled DWR	NC12-33	Freshwater	Forested	Mountains	Wetland	2012	35.58042595360	-81.86204864260	50	MEDIUM	62	3.7	29.4	18	4.5	19.1	54	3.6	26.6	
Compiled DWR	NC12-34	Freshwater	Forested	Coastal Plain	Wetland	2012	36.31681364480	-77.66027647960	46	HIGH	62	3.8	30.0	17	3.4	14.0	48	4.1	28.1	
Compiled DWR	NC12-36	Freshwater	Forested	Coastal Plain	Wetland	2012	35.79962085210	-76.85741491200	33	MEDIUM	46	3.9	26.6	15	3.8	14.5	37	3.9	23.8	
Compiled DWR	NC12-37	Freshwater	Forested	Piedmont	Wetland	2012	35.75765841710	-80.64706856590	34	HIGH	57	3.9	29.4	23	4.6	22.1	51	3.8	27.4	
Compiled DWR	NC12-38	Freshwater	Forested	Piedmont	Wetland	2012	36.06368410030	-78.27978307180	43	MEDIUM	52	3.6	26.3	19	4.8	20.7	44	3.6	23.7	
Compiled DWR	NC12-39	Freshwater	Forested	Coastal Plain	Wetland	2012	34.86616954400	-77.50731592830	45	HIGH	60	3.3	25.2	9.5	3.2	9.8	47	3.4	23.5	
Compiled DWR	NC12-41	Freshwater	Forested	Piedmont	Wetland	2012	34.86618519280	-80.05335541000	50	HIGH	48	3.9	27.1	10	2.5	7.9	44	3.9	25.6	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
Compiled DWR	NC12-42	Freshwater	Herbaceous	Coastal Plain	Wetland	2012	35.46557251670	-76.38544839300	50	HIGH	25	3.6	18.2	11	3.7	12.2	12	3.8	13.0	
Compiled DWR	NC12-43	Freshwater	Forested	Coastal Plain	Wetland	2012	35.38150809320	-78.27953405650	36	HIGH	39	4.4	27.7	22	3.7	17.2	34	4.4	25.7	
Compiled DWR	NC12-44	Freshwater	Forested	Coastal Plain	Wetland	2012	36.32137899220	-77.65954848850	47	HIGH	60	3.2	25.0	21	4.2	19.2	41	3.6	22.9	
Compiled DWR	NC12-46	Freshwater	Herbaceous	Coastal Plain	Wetland	2012	35.79928524880	-76.86004123530	47	HIGH	56	4.3	32.0	18	4.5	19.1	35	4.1	24.4	
Compiled DWR	PCS	Freshwater	Forested	Coastal Plain	Wetland	2005	35.282926	-76.85513366	57	HIGH	29	4.9	26.5	5	5.0	11.2	28	4.8	25.6	
Compiled DWR	Pete Harris	Freshwater	Forested	Piedmont	Wetland	2005	36.2955166	-78.10686619	60	HIGH	58	4.7	35.5	6	3.5	8.6	56	4.7	34.8	
Compiled DWR	Powers	Freshwater	Forested	Piedmont	Wetland	2009	36.3211873	-78.574811	66	MEDIUM	41	3.9	24.8	5	3.4	7.6	34	3.8	22.3	
Compiled DWR	Rough Rider	Freshwater	Forested	Coastal Plain	Wetland	2005	36.52499117	-76.70801672	64	HIGH	47	4.9	33.4	6	4.2	10.2	45	4.8	32.5	
Compiled DWR	Rourk	Freshwater	Forested	Coastal Plain	Wetland	2009	33.95820139	-78.21973174	65	HIGH	47	5.1	34.9	8	3.5	9.9	45	5.0	33.5	
Compiled DWR	Seawatch Bay	Freshwater	Forested	Coastal Plain	Wetland	2009	33.94581059	-78.19291266	89	HIGH	16	5.9	23.5	6	5.3	13.1	16	5.9	23.5	
Compiled DWR	Seawatch Nautica	Freshwater	Forested	Coastal Plain	Wetland	2009	33.9794665	-78.18527831	72	HIGH	18	5.1	21.7	4	5.3	10.5	18	5.1	21.7	
Compiled DWR	Sikka	Freshwater	Shrub	Coastal Plain	Wetland	2009	33.96979213	-78.22590741	81	HIGH	20	5.9	26.4	5	7.2	16.1	17	6.0	24.7	
Compiled DWR	Spring Garden	Freshwater	Forested	Piedmont	Wetland	2005	36.35329802	-79.72292618	74	HIGH	67	5.1	41.7	9	4.4	13.3	63	5.2	41.1	
Compiled DWR	Troxler	Freshwater	Forested	Piedmont	Wetland	2005	36.11539136	-79.47385167	21	HIGH	46	3.4	22.9	5	3.2	7.2	44	3.5	23.0	
Compiled DWR	Umstead	Freshwater	Forested	Piedmont	Wetland	2005	35.86017878	-78.76960933	70	HIGH	47	4.4	30.3	5	4.2	9.4	43	4.6	30.0	
Compiled DWR	Walmart	Freshwater	Forested	Piedmont	Wetland	2005	35.1593769	-79.42165063	38	HIGH	52	4.7	33.9	7	3.9	10.2	47	4.7	32.5	
Compiled DWR	Winding River Pond	Freshwater	Forested	Coastal Plain	Wetland	2009	33.97779068	-78.23713537	69	HIGH	40	5.4	34.2	18	5.2	22.2	36	5.4	32.5	
Compiled DWR	Winding River Townhouse	Freshwater	Forested	Coastal Plain	Wetland	2009	33.97888235	-78.23798078			48	5.2	35.9	7	4.3	11.3	44	5.2	34.2	
CVS	26006	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.44757219	-77.86979759			52	4.9	35.4	5	6.3	14.1	47	4.8	32.6	
CVS	26007	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.43279986	-77.87430749			68	5.1	42.0	5	6.2	13.9	59	5.0	38.4	
CVS	26008	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.58191607	-77.64684572			78	6.5	57.4	10	6.8	21.5	55	6.7	49.1	
CVS	26024	Brackish	Herbaceous	Coastal Plain	**Wetland**	1999	34.55340871	-77.34077828			39	3.8	23.9	5	3.6	8.0	36	3.7	22.2	
CVS	26025	Freshwater	Forested	Coastal Plain	**Wetland**	1999	35.02825224	-77.13498373			66	5.1	41.4	33	5.0	28.6	55	5.0	36.9	
CVS	26026	Freshwater	Forested	Coastal Plain	**Wetland**	1999	35.03313587	-77.13974715			67	5.1	41.7	23	4.9	23.7	64	5.1	40.4	
CVS	26028	Freshwater	Forested	Coastal Plain	**Maybe wetland**	1999	34.84462833	-77.55846565			71	4.8	40.5	10	4.8	15.2	64	4.7	37.3	
CVS	26029	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.4470554	-77.86954051			54	4.9	36.0	5	6.9	15.4	50	4.8	33.7	
CVS	26030	Brackish	Forested	Coastal Plain	**Wetland**	1999	33.92041436	-78.28982385			66	5.3	43.3	6	5.8	14.3	58	5.2	39.8	
CVS	26031	Brackish	Forested	Coastal Plain	**Wetland**	1999	33.92041436	-78.28982385			51	5.3	37.7	14	5.0	18.8	46	5.1	34.7	
CVS	26032	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.58273205	-77.64663182			72	6.7	57.2	6	7.3	18.0	60	6.7	51.8	
CVS	26058	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.6790862	-77.45208988			58	4.7	35.8	4	5.3	10.5	50	4.6	32.2	
CVS	26059	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.67973932	-77.45323319			68	5.0	41.5	4	6.0	12.0	52	4.8	34.7	
CVS	26062	Freshwater	Forested	Coastal Plain	**Upland**	1999	34.81961599	-77.18162059			85	5.1	47.0	55	5.3	39.4	75	5.0	43.6	
CVS	26066	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.42993755	-77.87336084			66	4.8	39.3	34	4.9	28.6	58	4.7	35.8	
CVS	26067	Brackish	Forested	Coastal Plain	**Upland**	1999	33.92928511	-78.24071229			83	5.0	45.2	42	4.8	31.1	74	4.9	42.5	
CVS	26099	Freshwater	Forested	Coastal Plain	**Wetland**	1999	35.03113983	-77.13432452			71	5.1	43.0	15	4.4	17.2	57	4.8	35.9	
CVS	26100	Freshwater	Forested	Coastal Plain	**Wetland**	1999	35.03019125	-77.1349465			74	4.9	42.4	6	6.2	15.1	56	4.6	34.5	
CVS	26103	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.43322827	-77.87563859			94	5.2	50.2	13	5.5	20.0	76	4.9	42.9	
CVS	26104	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.42993755	-77.87336084			93	5.0	47.8	49	5.0	35.3	80	4.8	43.0	
CVS	26105	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.62878638	-77.64641303			53	5.5	40.0	11	6.5	21.7	45	5.4	36.0	
CVS	26106	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.58064536	-77.64641303			111	6.7	70.9	8	7.3	20.5	87	6.8	62.8	
CVS	26112	Freshwater	Forested	Coastal Plain	**Wetland**	1999	34.44790961	-77.87001589			62	4.8	37.7	12	5.0	17.5	57	4.6	34.8	
CVS	26700	Saltwater	Shrub	Coastal Plain	**Wetland**	2002	34.6875	-76.9375			14	5.4	20.0	3	5.3	9.2	13	5.5	20.0	
CVS	26701	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.77411727	-76.92836028			16	5.9	23.8	5	6.8	15.2	11	6.1	20.2	
CVS	26702	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.77411727	-76.92836028			8	6.0	17.0	2	7.0	9.9	6	5.8	14.3	
CVS	26704	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.85930061	-77.05273975			11	5.9	19.6	5	5.4	12.1	11	5.9	19.6	
CVS	26705	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.8522623	-77.06693556			15	6.3	24.3	5	6.8	15.2	15	6.3	24.3	
CVS	26927	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72182787	-76.96982982			10	5.9	18.7	2	8.0	11.3	6	5.3	13.1	
CVS	27019	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.82751133	-77.17665433			29	5.3	28.7	6	5.8	14.3	28	5.3	28.3	
CVS	27020	Freshwater	Forested	Coastal Plain	**River**	2002	34.82808788	-77.18170968			15	4.9	19.1	3	4.7	8.1	14	4.7	17.6	
CVS	27021	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	34.86837943	-76.79900568			4	6.8	13.5	1	7.0	7.0	2	6.0	8.5	
CVS	27022	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.80571214	-77.15690926			35	5.2	31.0	7	5.6	14.7	34	5.2	30.1	
CVS	27023	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.8	-77.14			38	5.2	31.9	10	5.6	17.6	36	5.2	30.9	
CVS	27024	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.85964147	-77.05177478			8	5.0	14.1	4	6.0	12.0	6	5.0	12.2	
CVS	27121	Freshwater	Forested	Coastal Plain	**Probably not**	2002	34.9325307	-76.95682472			33	5.3	30.4	3	6.7	11.5	29	5.2	28.0	
CVS	27122	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.94116882	-76.97624483			25	5.4	26.8	8	5.8	16.3	22	5.4	25.2	
CVS	27123	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.94721828	-77.1189931			15	6.8	26.5	4	6.5	13.0	14	7.0	26.2	
CVS	27124	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.9440512	-77.12069622			17	6.2	25.7	3	5.3	9.2	14	6.6	24.6	
CVS	27125	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.8038599	-77.14183227			39	5.2	32.2	22	5.3	24.7	37	5.1	31.2	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	27126	Brackish	Shrub	Coastal Plain	**Wetland**	2002	34.69412415	-77.08823161			13	5.2	18.6	3	6.7	11.5	11	5.0	16.6	
CVS	27127	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.69474123	-77.0874721			6	7.2	17.6	1	7.0	7.0	3	7.0	12.1	
CVS	27128	Freshwater	Forested	Coastal Plain	**Unknown**	2002	34.693969	-77.085739			29	5.1	27.4	8	4.7	13.3	26	5.0	25.4	
CVS	27129	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.9998707	-76.97617658			39	4.9	30.4	8	3.8	10.8	35	5.1	29.9	
CVS	27130	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.99991093	-76.97536678			34	5.1	29.8	5	5.9	13.2	33	5.1	29.3	
CVS	27131	Freshwater	Forested	Coastal Plain	**Upland**	2002	35	-76.98			29	5.1	27.6	13	5.7	20.5	29	5.1	27.6	
CVS	27132	Brackish	Forested	Coastal Plain	**Wetland**	2002	34.9812587	-76.94515655			8	5.6	15.9	3	5.7	9.8	7	5.7	15.1	
CVS	27134	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72303838	-76.97191146			18	5.8	24.5	4	6.5	13.0	10	5.8	18.3	
CVS	27135	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72243065	-76.96990964			18	4.8	20.5	3	6.0	10.4	13	4.8	17.5	
CVS	27136	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.6875	-76.9375			2	5.5	7.8	1	5.0	5.0	2	5.5	7.8	
CVS	27137	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.82297769	-76.88852157			12	6.5	22.5	5	5.8	13.0	12	6.5	22.5	
CVS	27138	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.93720592	-77.02363134			14	6.7	25.1	4	6.3	12.5	13	7.0	25.2	
CVS	27139	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.93756196	-77.02228254			23	6.9	33.2	3	7.0	12.1	19	6.7	29.4	
CVS	78627	Freshwater	Forested	Piedmont	**Wetland**	2009	35.20469862	-81.9860221			35	4.4	25.8	5	4.4	9.8	29	4.3	23.1	
CVS	78628	Freshwater	Forested	Piedmont	**Wetland**	2009	36.12076013	-78.77660281			25	4.5	22.6	2	7.5	10.6	22	4.3	20.0	
CVS	78629	Freshwater	Forested	Mountains	**Wetland**	2009	36.40209676	-80.28918231			30	6.3	34.5	14	6.4	23.9	28	6.3	33.1	
CVS	78630	Freshwater	Shrub	Piedmont	**Wetland**	2009	36.42142639	-80.86431026			40	4.9	30.9	4	3.3	6.5	33	4.9	27.9	
CVS	78631	Freshwater	Forested	Piedmont	**Wetland**	2009	36.53455064	-80.87373134			51	5.5	39.0	12	5.3	18.5	35	5.4	32.0	
CVS	78632	Freshwater	Shrub	Piedmont	**Wetland**	2009	36.41828807	-80.84848739			34	4.4	25.7	3	2.7	4.6	25	4.1	20.6	
CVS	78633	Freshwater	Herbaceous	Piedmont	**Wetland**	2009	35.33145538	-81.17337828			57	4.0	30.4	3	1.0	1.7	39	3.6	22.7	
CVS	78634	Freshwater	Forested	Piedmont	**Wetland**	2009	35.21267437	-81.97650521			46	5.1	34.5	13	5.2	18.9	40	4.9	30.9	
CVS	78635	Freshwater	Forested	Piedmont	**Wetland**	2009	35.17524584	-81.34522384			35	5.3	31.1	23	5.3	25.3	29	5.1	27.7	
CVS	78638	Freshwater	Forested	Piedmont	**Wetland**	2009	36.08304188	-78.87313175			35	4.2	25.0	25	4.4	21.8	24	4.1	20.2	
CVS	78640	Freshwater	Forested	Piedmont	**Wetland**	2009	35.85624796	-78.76393011			46	4.8	32.4	10	3.7	11.7	33	4.6	26.5	
CVS	78641	Freshwater	Forested	Piedmont	**Wetland**	2009	35.75940257	-81.29375874			53	4.9	35.4	32	4.7	26.7	37	4.7	28.4	
CVS	78642	Freshwater	Forested	Piedmont	**Wetland**	2009	35.52225319	-81.21645969			37	4.9	29.9	6	5.5	13.5	34	5.0	29.0	
CVS	78644	Freshwater	Forested	Coastal Plain	**Wetland**	2009	36.25745995	-77.5187959			50	5.8	41.0	9	5.6	16.7	43	5.7	37.1	
CVS	78645	Freshwater	Forested	Piedmont	**Wetland**	2009	36.03558116	-79.06504293			34	4.3	25.2	4	4.0	8.0	27	4.1	21.6	
CVS	78646	Freshwater	Forested	Piedmont	**Wetland**	2009	36.20298046	-78.85348592			43	4.7	31.0	3	4.7	8.1	28	4.6	24.6	
CVS	78647	Freshwater	Forested	Piedmont	**Wetland**	2009	36.03276913	-79.06786404			51	4.9	35.1	8	4.5	12.7	37	5.0	30.3	
CVS	78648	Freshwater	Forested	Piedmont	**Wetland**	2009	35.44663582	-79.95574558			68	5.6	46.1	10	5.3	16.8	61	5.5	43.0	
CVS	78649	Freshwater	Forested	Piedmont	**Wetland**	2009	35.58548001	-79.74709802			9	4.4	13.3	3	5.3	9.2	8	4.0	11.3	
CVS	78650	Freshwater	Forested	Piedmont	**Wetland**	2009	35.98743306	-79.05374162			56	4.6	34.5	3	5.0	8.7	38	4.4	27.3	
CVS	78651	Freshwater	Forested	Piedmont	**Wetland**	2009	36.03263983	-79.06711253			48	5.1	35.2	9	5.4	16.2	38	5.0	30.8	
CVS	78652	Freshwater	Forested	Piedmont	**Wetland**	2009	35.45826061	-78.88237174			61	4.9	37.9	14	4.6	17.4	49	4.8	33.7	
CVS	78653	Freshwater	Forested	Piedmont	**Wetland**	2009	36.35133171	-79.18541408			41	4.3	27.3	23	4.2	20.3	36	4.3	25.6	
CVS	78654	Freshwater	Forested	Piedmont	**Wetland**	2009	36.43371293	-78.97646236			54	5.1	37.5	5	6.0	13.4	45	5.1	34.5	
CVS	78655	Freshwater	Forested	Piedmont	**Wetland**	2009	36.22192802	-78.11530087			64	5.5	44.3	7	5.4	14.4	52	5.4	38.7	
CVS	78656	Freshwater	Forested	Coastal Plain	**Wetland**	2009	36.25657044	-77.51609654			70	5.4	45.2	13	5.5	20.0	56	5.2	38.7	
CVS	78657	Freshwater	Forested	Piedmont	**Wetland**	2009	35.90666605	-78.96737937			34	5.6	32.5	13	5.8	20.9	33	5.6	32.3	
CVS	78658	Freshwater	Forested	Piedmont	**Wetland**	2009	36.01139964	-80.27481872			46	4.8	32.3	3	4.3	7.5	35	4.6	27.4	
CVS	78659	Freshwater	Forested	Piedmont	**Wetland**	2009	35.69463967	-78.68696882			55	4.6	33.8	9	5.0	15.0	43	4.4	28.7	
CVS	78660	Freshwater	Forested	Piedmont	**Wetland**	2009	35.59255475	-78.67058676			52	5.1	36.9	7	6.1	16.3	43	4.9	32.2	
CVS	78661	Freshwater	Forested	Piedmont	**Wetland**	2009	36.42999317	-78.98142218			60	4.9	37.7	42	4.9	31.6	54	4.8	35.4	
CVS	78662	Freshwater	Forested	Piedmont	**Wetland**	2009	36.350539	-79.18663595			30	4.6	25.3	16	4.5	18.0	20	4.6	20.5	
CVS	78663	Freshwater	Forested	Piedmont	**Wetland**	2009	35.97848969	-80.87389092			39	4.7	29.1	2	4.5	6.4	34	4.8	27.8	
CVS	78664	Freshwater	Forested	Piedmont	**Wetland**	2009	35.59862611	-79.89658127			31	5.0	27.7	15	4.7	18.3	28	5.0	26.5	
CVS	78665	Freshwater	Forested	Piedmont	**Wetland**	2009	35.72003225	-79.94766795			36	4.0	24.3	5	4.2	9.4	26	3.7	18.9	
CVS	78666	Freshwater	Shrub	Piedmont	**Wetland**	2009	35.71500894	-79.95059728			28	4.0	21.0	3	3.0	5.2	18	3.8	16.0	
CVS	78667	Freshwater	Forested	Piedmont	**Wetland**	2009	35.71753501	-79.94871789			7	4.9	12.9	2	6.5	9.2	4	3.5	7.0	
CVS	78668	Freshwater	Shrub	Piedmont	**Wetland**	2009	35.64210662	-79.76349971			7	5.4	14.4	3	5.3	9.2	6	5.0	12.2	
CVS	78669	Freshwater	Forested	Piedmont	**Wetland**	2009	35.74822491	-79.49266569			24	4.7	23.2	2	6.5	9.2	20	4.5	20.0	
CVS	78670	Freshwater	Forested	Piedmont	**Wetland**	2009	35.74849989	-79.49230661			9	4.9	14.7	2	5.5	7.8	7	4.1	11.0	
CVS	78671	Freshwater	Forested	Piedmont	**Wetland**	2009	35.95892739	-79.73966211			12	3.8	13.3	2	4.5	6.4	9	3.4	10.3	
CVS	78672	Freshwater	Forested	Piedmont	**Wetland**	2009	35.88707914	-80.81382952			38	3.8	23.7	3	2.3	4.0	28	3.6	18.9	
CVS	78673	Freshwater	Forested	Piedmont	**Wetland**	2009	36.01015074	-80.89938533			44	5.4	35.8	8	6.4	18.2	38	5.4	33.5	
CVS	78674	Freshwater	Forested	Piedmont	**Wetland**	2009	35.95587756	-80.7800569			45	4.7	31.4	8	4.8	13.6	39	4.6	29.0	
CVS	78675	Freshwater	Forested	Piedmont	**Wetland**	2009	35.66457325	-81.41480315			57	5.2	39.5	9	6.0	18.0	43	5.0	32.9	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	78676	Freshwater	Forested	Piedmont	**Wetland**	2009	35.53539165	-79.3249157			46	4.6	31.2	7	5.1	13.6	39	4.6	28.6	
CVS	78677	Freshwater	Forested	Piedmont	**Wetland**	2009	35.53479586	-79.32421118			40	4.9	31.0	7	6.0	15.9	37	5.0	30.2	
CVS	78678	Freshwater	Herbaceous	Piedmont	**Wetland**	2009	36.07422525	-79.07286844			41	4.3	27.3	4	3.0	6.0	29	4.2	22.4	
CVS	78679	Freshwater	Forested	Piedmont	**Wetland**	2009	35.11230126	-81.00899845			15	4.1	15.8	4	4.0	8.0	11	3.8	12.7	
CVS	78680	Freshwater	Shrub	Piedmont	**Wetland**	2009	36.30310691	-79.05147066			16	4.5	17.9	3	6.7	11.5	12	4.4	15.2	
CVS	78681	Freshwater	Forested	Piedmont	**Wetland**	2009	35.9909519	-80.81918828			42	4.6	29.5	5	4.2	9.4	33	4.4	25.3	
CVS	78682	Freshwater	Forested	Piedmont	**Wetland**	2009	35.38410875	-79.97482836			53	4.9	35.6	32	4.8	27.1	42	4.6	29.9	
CVS	78683	Freshwater	Forested	Piedmont	**Wetland**	2009	35.3662328	-80.76713747			10	4.9	15.5	4	5.8	11.5	9	4.6	13.7	
CVS	78684	Freshwater	Forested	Piedmont	**Wetland**	2009	35.42674972	-80.0899199			21	4.4	20.2	4	5.3	10.5	15	4.2	16.1	
CVS	78685	Freshwater	Forested	Piedmont	**Wetland**	2009	35.81934901	-81.1746985			23	3.3	15.6	6	2.8	6.9	15	3.0	11.6	
CVS	78686	Freshwater	Forested	Piedmont	**Wetland**	2009	35.44306931	-79.95411694			55	5.8	43.1	5	5.8	13.0	45	5.8	38.7	
CVS	78687	Freshwater	Forested	Piedmont	**Wetland**	2009	35.34311251	-79.94771492			48	5.6	38.8	5	5.0	11.2	40	5.5	34.9	
CVS	78688	Freshwater	Forested	Piedmont	**Wetland**	2009	35.38316427	-79.97296867			54	5.6	41.4	5	4.2	9.4	46	5.5	37.5	
CVS	78689	Freshwater	Forested	Piedmont	**Wetland**	2009	35.33518785	-80.03988143			56	5.7	42.6	7	5.9	15.5	47	5.6	38.4	
CVS	78690	Freshwater	Forested	Piedmont	**Wetland**	2009	35.3360029	-80.05175542			53	5.0	36.5	27	5.1	26.4	40	4.9	30.7	
CVS	78691	Freshwater	Forested	Piedmont	**Wetland**	2009	35.40594206	-79.96796631			44	5.2	34.4	7	5.3	14.0	35	5.2	30.5	
CVS	78692	Freshwater	Forested	Piedmont	**Wetland**	2009	35.43076688	-79.95467263			37	5.6	34.3	18	6.0	25.5	28	5.4	28.6	
CVS	78693	Freshwater	Forested	Piedmont	**Wetland**	2009	35.44546231	-79.95350202			57	6.0	45.0	4	5.3	10.5	45	5.8	39.0	
CVS	78694	Freshwater	Forested	Piedmont	**Wetland**	2009	35.76614151	-79.90648479			53	5.1	37.2	32	5.1	28.8	46	5.1	34.6	
CVS	78695	Freshwater	Forested	Piedmont	**Wetland**	2009	35.46507606	-79.95285124			44	5.6	37.0	4	4.5	9.0	42	5.5	35.7	
CVS	78696	Freshwater	Forested	Piedmont	**Wetland**	2009	35.58980643	-79.88655856			21	4.2	19.3	11	4.1	13.6	19	4.1	17.8	
CVS	78697	Freshwater	Forested	Piedmont	**Wetland**	2009	35.09952389	-80.02360629			35	5.4	32.0	4	6.5	13.0	31	5.3	29.4	
CVS	78698	Freshwater	Forested	Piedmont	**Wetland**	2009	35.09796242	-80.02565459			30	4.8	26.5	8	5.4	15.2	25	5.0	25.0	
CVS	78699	Freshwater	Forested	Piedmont	**Wetland**	2009	35.48137593	-79.95788683			60	4.7	36.7	7	4.4	11.7	47	4.6	31.3	
CVS	78700	Freshwater	Forested	Piedmont	**Wetland**	2009	35.46267981	-80.05930779			23	4.7	22.7	12	5.1	17.6	18	4.6	19.6	
CVS	78701	Freshwater	Forested	Piedmont	**Wetland**	2009	35.46537271	-80.06008097			29	4.8	25.8	19	5.1	22.0	19	4.6	20.2	
CVS	78702	Freshwater	Forested	Piedmont	**Wetland**	2010	36.5393	-79.6786			26	4.8	24.2	5	6.8	15.2	19	4.5	19.6	
CVS	78704	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26260144	-77.58879972			29	4.5	24.4	3	5.3	9.2	24	4.2	20.7	
CVS	78705	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26277327	-77.62016009			25	4.6	23.0	5	5.8	13.0	22	4.4	20.7	
CVS	78706	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26276374	-77.58837627			30	5.2	28.7	3	6.7	11.5	26	5.0	25.7	
CVS	78707	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.22549672	-77.77200117			40	4.7	30.0	6	4.8	11.8	34	4.5	26.3	
CVS	78708	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26633482	-77.60885559			55	4.7	34.7	4	6.3	12.5	42	4.3	27.9	
CVS	78709	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.2326469	-77.82834741			36	3.8	22.7	2	1.5	2.1	30	3.7	20.4	
CVS	78710	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.23667441	-77.20100576			29	5.3	28.3	2	6.5	9.2	26	5.2	26.6	
CVS	78711	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.2648611	-77.93459363			33	4.6	26.5	20	4.5	20.1	28	4.4	23.4	
CVS	78712	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26278653	-77.58857482			23	4.6	22.1	4	5.0	10.0	21	4.4	20.3	
CVS	78713	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.34979971	-78.14740598			56	4.2	31.1	3	5.0	8.7	46	3.9	26.7	
CVS	78714	Freshwater	Forested	Coastal Plain	**River**	2009	35.34928015	-78.14716023			29	4.9	26.2	3	5.0	8.7	22	4.5	21.3	
CVS	78715	Freshwater	Forested	Coastal Plain	**River**	2009	35.26519491	-77.88741664			47	4.0	27.1	5	3.8	8.5	36	3.6	21.8	
CVS	78716	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.18530367	-78.72610752			50	5.0	35.1	24	5.0	24.3	42	4.8	30.9	
CVS	78717	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.2626974	-77.58852802			22	4.6	21.5	5	6.4	14.3	21	4.5	20.5	
CVS	78718	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.62702815	-78.5815256			53	4.6	33.4	27	4.3	22.1	49	4.6	32.0	
CVS	78719	Freshwater	Forested	Coastal Plain	**River**	2009	34.82343244	-78.82161637			34	4.8	27.9	3	4.7	8.1	26	4.6	23.6	
CVS	78720	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.82335153	-78.82213233			47	4.8	32.6	6	5.1	12.5	41	4.6	29.3	
CVS	78721	Freshwater	Forested	Coastal Plain	**River**	2009	34.81030097	-78.81530532			27	4.4	23.1	3	4.7	8.1	24	4.1	20.0	
CVS	78722	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.31583247	-78.6907281			65	3.8	30.6	10	3.1	9.8	45	3.7	24.5	
CVS	78723	Freshwater	Forested	Coastal Plain	**River**	2009	34.74616834	-78.78753874			26	4.6	23.6	8	4.3	12.0	21	4.3	19.7	
CVS	78724	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.72828882	-78.75541989			36	4.4	26.2	4	5.5	11.0	31	4.3	23.7	
CVS	78725	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.69986877	-78.70157552			41	4.8	30.5	9	4.9	14.8	34	4.6	27.1	
CVS	78726	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.35058883	-78.14380279			33	4.9	28.4	7	4.3	11.3	28	4.6	24.6	
CVS	78727	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.37993855	-78.27574741			33	5.0	28.9	17	4.8	19.9	31	5.0	28.0	
CVS	78728	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.83651032	-78.8244427			47	4.4	30.3	5	4.8	10.7	39	4.2	26.4	
CVS	78729	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.42545941	-78.31528902			71	4.9	41.5	13	4.8	17.5	51	4.7	33.3	
CVS	78731	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.4002345	-78.28845064			53	5.0	36.5	9	5.7	17.0	39	4.7	29.6	
CVS	78732	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.40106525	-78.28972182			27	4.8	24.7	2	7.0	9.9	22	4.4	20.6	
CVS	78733	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.38019108	-78.27655334			57	5.1	38.6	36	5.1	30.3	42	4.9	31.7	
CVS	78734	Freshwater	Forested	Piedmont	**River**	2009	35.4649538	-78.88724291			64	4.6	36.9	10	5.1	16.1	52	4.4	31.7	
CVS	78735	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.38363659	-78.20099067			51	4.8	34.0	6	5.7	13.9	40	4.4	27.6	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	78736	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.38425138	-78.20068326			19	4.5	19.5	9	5.2	15.7	18	4.4	18.9	
CVS	78737	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.37875077	-78.20407595			60	4.6	35.3	4	6.0	12.0	47	4.2	28.8	
CVS	78738	Freshwater	Shrub	Coastal Plain	**Wetland**	2009	35.37739776	-78.20092017			50	3.1	22.1	8	2.5	7.1	41	3.0	19.5	
CVS	78739	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.43067561	-78.3224723			45	4.3	29.1	4	4.0	8.0	34	4.0	23.4	
CVS	78740	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.38365818	-78.201144			20	4.9	21.9	5	4.0	8.9	18	4.7	19.8	
CVS	78741	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.43104729	-78.31000451			45	2.8	19.0	3	1.0	1.7	38	2.9	17.8	
CVS	78742	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.34993412	-78.17074592			14	5.1	19.2	3	3.7	6.4	12	4.8	16.7	
CVS	78743	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.43194798	-78.31483123			63	4.8	38.5	9	5.0	15.0	48	4.6	32.0	
CVS	78744	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.44623094	-78.31143764			30	4.7	25.7	5	5.4	12.1	27	4.6	23.7	
CVS	78745	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.24103458	-77.88384567			46	4.4	29.6	9	6.0	18.0	37	4.1	24.8	
CVS	78746	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.47609759	-78.35363742			32	3.7	20.7	5	4.0	8.9	26	3.6	18.4	
CVS	78747	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.42737899	-78.33560908			27	4.6	24.1	9	3.4	10.3	21	4.4	20.3	
CVS	78748	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2009	35.13817031	-78.85385581			61	4.9	38.4	9	5.6	16.8	53	4.9	35.4	
CVS	78749	Freshwater	Forested	Coastal Plain	**River**	2009	35.13773157	-78.85351614			32	4.6	26.3	5	4.4	9.8	27	4.5	23.4	
CVS	78750	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.42665917	-78.33525839			63	4.8	38.5	15	4.2	16.3	49	4.7	33.2	
CVS	78751	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.37339399	-78.01970773			24	5.0	24.3	3	7.0	12.1	20	4.8	21.5	
CVS	78752	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.34758997	-78.16917758			36	4.6	27.5	8	4.5	12.7	26	4.4	22.4	
CVS	78753	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.42893625	-78.30992059			36	4.1	24.3	24	3.7	18.0	32	4.1	23.3	
CVS	78754	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.29070427	-78.68576906			43	4.5	29.4	22	4.5	20.9	36	4.3	26.1	
CVS	78755	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.35370484	-78.18150942			46	4.8	32.7	8	5.0	14.1	39	4.6	29.0	
CVS	78756	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.31491888	-77.31037872			51	5.1	36.4	6	4.8	11.8	44	4.9	32.7	
CVS	78757	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.21861677	-77.14787618			49	5.1	35.6	4	5.8	11.5	40	5.0	31.3	
CVS	78758	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.23650798	-77.16476371			28	5.4	28.8	14	5.0	18.8	26	5.4	27.8	
CVS	78759	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.29491168	-77.49821018			32	4.4	25.1	24	4.5	22.2	28	4.2	22.3	
CVS	78760	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.46820543	-78.36401236			50	4.5	32.0	5	5.0	11.2	38	4.1	25.1	
CVS	78761	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.46244575	-78.34988136			50	4.5	32.0	6	5.2	12.7	39	4.2	26.2	
CVS	78762	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.40398363	-78.2954872			27	5.5	28.7	21	5.4	24.9	23	5.3	25.6	
CVS	78763	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.63268426	-78.60499627			59	4.5	34.7	7	5.0	13.2	52	4.4	31.5	
CVS	79145	Freshwater	Shrub	Coastal Plain	**Wetland**	1991	34.74144196	-76.98455988			29	6.6	35.5	7	6.7	17.8	25	6.8	34.0	
CVS	79147	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.72694653	-76.96663104			38	6.3	38.6	3	7.3	12.7	29	6.5	34.9	
CVS	79154	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.63848846	-77.29233679			63	6.3	50.0	3	7.0	12.1	52	6.4	46.0	
CVS	79157	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.4	-77.7			88	6.6	62.3	3	7.3	12.7	71	6.6	55.7	
CVS	79159	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.01165922	-77.91181205			20	6.9	30.9	6	7.2	17.6	16	6.9	27.8	
CVS	79160	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.6	-77.7			63	6.8	54.4	4	7.3	14.5	50	6.9	48.4	
CVS	79163	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			61	6.7	52.2	8	6.4	18.0	45	6.8	45.8	
CVS	79165	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.69599503	-78.62603112			24	5.8	28.4	3	7.0	12.1	22	5.7	26.9	
CVS	79169	Freshwater	Forested	Coastal Plain	**Wetland**	1993	35.19826253	-78.91220719			95	6.1	59.6	7	5.0	13.2	71	6.1	51.7	
CVS	79170	Freshwater	Forested	Coastal Plain	**Wetland**	1993	35.19762417	-78.91178422			51	6.3	44.8	15	6.7	25.8	41	6.4	40.9	
CVS	79173	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			77	6.9	60.6	4	6.6	13.3	64	6.9	55.1	
CVS	79174	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.5			88	6.6	61.5	6	6.5	15.9	75	6.5	56.1	
CVS	79178	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.02162035	-78.53031211			28	6.5	34.4	3	7.3	12.7	27	6.4	33.5	
CVS	79179	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.22268941	-78.09902911			47	6.5	44.7	3	7.7	13.3	39	6.5	40.4	
CVS	79184	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.75410256	-78.34059885			38	6.2	38.0	3	7.3	12.7	36	6.1	36.7	
CVS	79190	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.95696587	-77.03639486			35	6.1	36.3	3	5.5	9.5	32	6.2	35.1	
CVS	79195	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.76171569	-76.96308585			35	6.6	39.0	2	7.5	10.6	27	6.6	34.5	
CVS	79200	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.54172927	-77.73549295			30	6.5	35.7	3	7.7	13.3	24	6.6	32.1	
CVS	79202	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-78			30	6.6	36.3	6	6.7	16.3	24	6.8	33.1	
CVS	79203	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1992	34.62923352	-77.67990984			69	5.8	47.8	4	4.0	8.0	56	5.8	43.2	
CVS	79205	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-78			35	6.5	38.3	7	6.6	17.4	29	6.6	35.6	
CVS	79214	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			76	7.0	60.7	4	7.8	15.5	57	7.0	52.6	
CVS	79215	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.6	-77.7			90	6.7	63.7	20	6.5	29.1	76	6.6	57.9	
CVS	79219	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.2	-78.6			81	6.9	62.1	5	7.0	15.7	68	6.9	56.8	
CVS	79221	Brackish	Forested	Coastal Plain	**Wetland**	1993	35.33385394	-76.65029065			54	5.1	37.5	4	5.5	11.0	46	5.1	34.3	
CVS	79227	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.4	-77.8			76	6.7	58.8	5	6.8	15.2	64	6.7	53.9	
CVS	79228	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.6	-77.7			108	6.4	66.0	7	6.4	17.0	93	6.2	60.0	
CVS	79231	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			59	6.7	51.6	8	6.8	19.1	47	6.9	47.2	
CVS	79232	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			55	6.7	49.8	3	6.3	11.0	42	6.9	44.5	
CVS	79235	Freshwater	Shrub	Coastal Plain	**Wetland**	1993	35.12693247	-79.28449422			27	6.0	31.2	6	5.8	14.3	25	6.0	30.0	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	79236	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			62	6.8	53.5	2	8.0	11.3	52	6.7	48.6	
CVS	79237	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.5			98	6.4	63.5	4	6.3	12.5	85	6.4	58.8	
CVS	79239	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			63	6.6	52.7	2	7.5	10.6	49	6.8	47.4	
CVS	79243	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.2	-78.6			77	7.0	61.5	61	7.2	56.2	63	6.9	54.7	
CVS	79245	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.74331857	-76.98558784			49	6.5	45.7	13	6.5	23.4	40	6.6	41.7	
CVS	79250	Freshwater	Forested	Coastal Plain	**Upland**	1991	34.64906485	-77.23251669			24	6.0	29.4	2	4.5	6.4	17	5.9	24.5	
CVS	79251	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.6	-77.5			45	6.3	42.0	4	7.8	15.5	35	6.3	37.4	
CVS	79255	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.76149108	-76.96024			60	6.7	51.8	3	7.3	12.7	43	6.7	43.8	
CVS	79256	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.76289219	-76.95721406			37	6.8	41.3	4	7.3	14.5	31	6.8	38.1	
CVS	79257	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.6	-77.3			95	6.7	65.7	5	6.2	13.9	76	6.8	59.4	
CVS	79258	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.4	-77.7			88	6.7	63.1	8	6.4	18.2	71	6.8	56.9	
CVS	79259	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-78			34	6.6	38.4	13	7.2	25.8	29	6.6	35.3	
CVS	79260	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.60781447	-77.69055996			36	6.6	39.6	3	7.3	12.7	31	6.6	36.5	
CVS	79267	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			83	7.1	64.4	13	6.8	24.7	69	7.0	58.3	
CVS	79268	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.6	-77.7			92	6.9	66.5	13	6.7	24.1	77	6.9	60.3	
CVS	79270	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.16474085	-78.61432926			51	6.9	49.4	3	7.3	12.7	43	6.8	44.7	
CVS	79273	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.2	-78.1			52	6.6	47.6	4	7.8	15.5	43	6.5	42.9	
CVS	79274	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.2	-78.6			91	7.0	67.1	5	7.4	16.5	72	6.9	58.9	
CVS	79277	Freshwater	Forested	Coastal Plain	**Wetland**	1993	35.22410472	-76.84539276			31	5.9	32.6	7	6.6	17.4	26	5.9	30.2	
CVS	79278	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.7	-77			67	7.0	57.1	4	7.5	15.0	54	6.9	50.6	
CVS	79281	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.72734404	-76.96434714			23	5.6	27.0	6	5.8	14.1	15	5.6	21.7	
CVS	79284	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.95430816	-77.0335915			57	6.1	46.4	6	5.3	12.9	51	6.2	44.4	
CVS	79285	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.6	-77.5			59	6.3	48.4	5	7.2	16.1	49	6.3	44.0	
CVS	79292	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.54061091	-77.74515192			22	7.0	32.7	2	7.5	10.6	18	6.8	28.6	
CVS	79293	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			46	7.0	47.3	4	7.0	14.0	34	7.0	40.7	
CVS	79294	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.4	-77.7			87	6.9	64.4	12	6.8	23.5	75	6.9	59.6	
CVS	79295	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.44888083	-77.77533495			86	6.6	61.2	5	6.6	14.8	71	6.6	55.2	
CVS	79296	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.62969831	-77.67927045			100	6.4	64.2	7	6.6	17.6	82	6.5	58.6	
CVS	79298	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.01485037	-78.07018145			30	6.7	36.4	4	7.5	15.0	27	6.5	33.8	
CVS	79299	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			69	6.9	57.7	6	6.5	15.9	54	7.0	51.7	
CVS	79300	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-78			57	6.8	51.4	4	7.3	14.5	42	6.9	44.9	
CVS	79301	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			61	6.7	52.7	2	7.5	10.6	48	6.8	46.8	
CVS	79304	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			88	6.8	63.7	2	7.5	10.6	70	6.8	56.8	
CVS	79305	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.6	-77.7			79	6.3	56.2	7	6.9	18.1	60	6.4	49.3	
CVS	79306	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.80779478	-79.09328566			81	5.8	52.1	8	4.4	12.4	66	5.8	47.1	
CVS	79307	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.16526886	-78.61366363			70	6.8	56.8	4	7.3	14.5	52	6.9	49.6	
CVS	79308	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			61	6.7	52.1	5	7.2	16.1	48	6.8	46.8	
CVS	79309	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			77	6.8	59.9	6	6.8	16.7	60	7.0	54.2	
CVS	79318	Freshwater	Shrub	Coastal Plain	**Wetland**	1991	34.96158773	-77.04034223			52	5.4	38.8	4	5.0	10.0	38	5.4	33.6	
CVS	79319	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.6	-77.3			54	6.5	47.5	8	5.6	15.7	44	6.6	43.7	
CVS	79321	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.6	-77.7			45	7.1	47.6	4	6.3	12.5	39	6.9	43.3	
CVS	79323	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.6	-77.7			60	6.7	52.2	4	7.5	15.0	49	6.7	47.1	
CVS	79326	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			41	7.0	44.5	6	7.0	17.1	38	7.1	43.5	
CVS	79327	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.1	-78.3			87	6.9	64.5	5	7.2	16.1	70	6.9	57.8	
CVS	79329	Freshwater	Forested	Coastal Plain	**Wetland**	1993	34.2	-78.6			74	7.0	60.6	3	7.7	13.3	57	7.0	53.0	
CVS	79330	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.7611165	-76.96110515			56	7.1	53.0	6	6.8	16.7	44	6.9	46.1	
CVS	79331	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.76362726	-76.95635739			31	7.0	38.8	2	7.5	10.6	25	6.9	34.4	
CVS	79332	Freshwater	Forested	Coastal Plain	**Wetland**	1991	34.6	-77.3			47	6.6	45.6	2	7.5	10.6	41	6.7	43.2	
CVS	79334	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.6	-77.7			46	6.9	46.8	4	7.8	15.5	39	6.7	42.0	
CVS	79336	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-77.9			37	6.4	38.7	24	6.5	31.7	30	6.4	34.8	
CVS	79338	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34	-78			33	6.7	38.4	19	6.7	29.0	26	6.7	34.2	
CVS	79339	Freshwater	Forested	Coastal Plain	**Wetland**	1992	34.5	-77.7			57	6.9	52.1	4	6.5	13.0	45	7.0	46.7	
CVS	109834	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.25401651	-75.56186112			18	4.4	18.5	4	4.3	8.5	17	4.3	17.8	
CVS	109836	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.24333403	-75.58959584			33	4.6	26.5	6	5.2	12.7	31	4.6	25.5	
CVS	109840	Freshwater	Forested	Coastal Plain	**Wetland**	1988	36.08084791	-75.73941906			22	5.3	24.9	3	5.7	9.8	22	5.3	24.9	
CVS	109842	Brackish	Forested	Coastal Plain	**Wetland**	1988	36.25453955	-75.78769983			22	4.7	22.2	3	4.0	6.9	20	4.8	21.2	
CVS	109844	Freshwater	Forested	Coastal Plain	**Wetland**	1988	36.11863071	-75.72355137			30	4.2	23.2	6	4.3	10.6	28	4.2	22.1	
CVS	109845	Freshwater	Shrub	Coastal Plain	**Wetland**	1988	36.11881304	-75.72321969			14	4.4	16.3	3	2.3	4.0	14	4.4	16.3	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	109853	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.25673028	-75.56001107			23	4.6	22.1	5	4.6	10.3	22	4.6	21.5	
CVS	109856	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.24782993	-75.55423366			26	4.7	24.1	3	6.3	11.0	25	4.7	23.6	
CVS	109859	Freshwater	Forested	Coastal Plain	**Wetland**	1988	36.08301469	-75.72422296			31	5.2	29.2	2	4.5	6.4	28	5.1	27.1	
CVS	109862	Freshwater	Forested	Coastal Plain	**Wetland**	1990	36.38953976	-75.83444538			49	4.3	30.1	3	4.0	6.9	38	4.4	27.3	
CVS	109870	Saltwater	Forested	Coastal Plain	**Wetland**	1988	34.66318577	-77.06573013			26	5.3	27.3	9	5.2	15.7	26	5.3	27.3	
CVS	109871	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.24414447	-75.58982155			17	4.8	19.6	2	6.0	8.5	17	4.8	19.6	
CVS	109881	Saltwater	Forested	Coastal Plain	**Wetland**	1988	34.66301477	-77.06518029			49	5.1	35.5	5	5.4	12.1	48	5.0	34.9	
CVS	109883	Saltwater	Forested	Coastal Plain	**Wetland**	1988	34.66165924	-77.06536486			9	4.9	14.7	4	5.5	11.0	9	4.9	14.7	
CVS	109886	Saltwater	Forested	Coastal Plain	**Wetland**	1988	34.69835975	-76.82807318			35	5.4	32.2	3	5.0	8.7	34	5.4	31.6	
CVS	109889	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.98773036	-75.65989225			39	5.0	31.3	3	4.3	7.5	36	5.0	29.8	
CVS	109890	Brackish	Forested	Coastal Plain	**Wetland**	1988	36.0006412	-75.6727597			26	5.3	27.1	5	5.6	12.5	25	5.3	26.4	
CVS	109892	Brackish	Forested	Coastal Plain	**Wetland**	1988	35.97808885	-75.65892444			36	4.8	29.1	3	4.3	7.5	35	4.8	28.7	
CVS	109898	Brackish	Forested	Coastal Plain	**Wetland**	1990	34.64187997	-77.13021836			27	4.6	24.0	7	3.7	9.8	26	4.6	23.4	
CVS	109899	Saltwater	Shrub	Coastal Plain	**Wetland**	1990	34.64161343	-77.12999337			22	4.0	18.9	7	4.0	10.6	20	4.0	17.8	
CVS	109911	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.66155471	-77.06088851			39	5.2	32.3	22	5.1	23.9	38	5.1	31.7	
CVS	109915	Brackish	Forested	Coastal Plain	**Wetland**	1988	34.6987252	-76.82775371			48	5.1	35.6	8	5.1	14.5	48	5.1	35.6	
CVS	109916	Saltwater	Herbaceous	Coastal Plain	**Wetland**	1988	36.00029058	-75.67098146			25	4.8	24.0	4	3.3	6.5	18	4.3	18.4	
CVS	109918	Freshwater	Forested	Coastal Plain	**Unknown**	1988	36.08216875	-75.71499651			34	4.6	27.0	7	4.1	11.0	33	4.6	26.5	
CVS	109921	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.05666079	-79.68685134			53	5.6	40.5	9	5.7	17.0	49	5.5	38.6	
CVS	109924	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	35.13706936	-79.3195123			32	5.8	32.7	3	7.3	12.7	25	6.0	30.0	
CVS	109929	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	34.98535001	-79.47161763			7	5.3	14.0	4	5.0	10.0	6	5.7	13.9	
CVS	109930	Freshwater	Forested	Coastal Plain	**Wetland**	1989	34.98435293	-79.47119797			19	6.4	27.8	5	5.2	11.6	16	6.3	25.0	
CVS	109937	Freshwater	Forested	Coastal Plain	**Wetland**	1990	34.97048537	-78.93049074			32	5.2	29.2	6	4.3	10.6	31	5.2	28.7	
CVS	109939	Freshwater	Forested	Coastal Plain	**Wetland**	1990	35.19240386	-79.04183564			53	5.9	43.3	36	6.1	36.7	45	6.1	40.8	
CVS	109941	Freshwater	Forested	Coastal Plain	**Wetland**	1990	35.05007896	-79.59803471			24	6.1	30.1	6	6.5	15.9	21	6.4	29.1	
CVS	109942	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1990	35.1	-79.6			27	7.0	36.3	3	7.0	12.1	24	7.0	34.2	
CVS	109951	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.0486372	-79.60595371			37	6.3	38.6	8	5.5	15.6	32	6.3	35.4	
CVS	109956	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.12156276	-79.29371483			24	6.1	30.0	5	6.4	14.3	23	6.2	29.6	
CVS	109970	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	35.1	-79.6			43	6.5	42.8	6	5.4	13.3	38	6.7	41.3	
CVS	109973	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.13721648	-79.27220525			57	6.6	49.5	5	7.4	16.5	48	6.7	46.4	
CVS	109974	Freshwater	Forested	Coastal Plain	**Wetland**	1990	34.98370499	-78.95513367			40	6.0	38.0	9	6.4	19.2	39	6.0	37.7	
CVS	109976	Freshwater	Forested	Coastal Plain	**Wetland**	1990	34.98468336	-78.91720729			25	6.2	31.1	3	7.0	12.1	24	6.3	30.7	
CVS	109980	Freshwater	Forested	Coastal Plain	**Wetland**	1990	35.15488066	-79.36272754			45	5.7	38.2	5	5.2	11.6	43	5.7	37.2	
CVS	109987	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	35.11388882	-79.3516994			25	6.2	30.8	8	5.7	16.1	24	6.2	30.2	
CVS	109988	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	35.11452785	-79.34565164			30	6.5	35.3	6	6.6	16.1	29	6.4	34.4	
CVS	109992	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	35.1	-79.3			76	6.6	57.6	7	7.4	19.7	65	6.6	53.5	
CVS	109993	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.1	-79.3			55	6.6	48.7	3	5.7	9.8	49	6.7	46.6	
CVS	109994	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.10555376	-79.08505566			46	6.4	43.6	6	6.8	16.7	40	6.5	40.8	
CVS	110004	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1990	35	-79.5			54	6.0	44.4	5	6.3	14.1	47	6.0	41.4	
CVS	110005	Freshwater	Shrub	Coastal Plain	**Wetland**	1990	34.98260512	-78.95406562			33	5.7	32.5	9	4.9	14.8	32	5.7	32.1	
CVS	110009	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1989	34.96129322	-79.51675094			37	6.3	38.6	6	6.3	15.3	29	6.4	34.6	
CVS	110012	Freshwater	Forested	Coastal Plain	**Wetland**	1989	34.95352331	-79.51546742			40	5.9	37.5	4	5.0	10.0	39	5.9	37.1	
CVS	110017	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.13348073	-79.32079341			24	5.9	28.8	18	5.4	23.1	20	5.9	26.2	
CVS	110019	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.14252888	-79.29722809			64	6.5	52.0	8	6.3	17.9	54	6.5	47.9	
CVS	110020	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.14269528	-79.29623676			48	6.6	45.4	7	6.7	17.8	41	6.7	42.9	
CVS	110021	Freshwater	Forested	Coastal Plain	**Wetland**	1989	35.12254342	-79.29292621			37	5.9	36.0	4	6.8	13.5	33	5.8	33.2	
CVS	110246	Freshwater	Forested	Piedmont	**Wetland**	1994	35.49840841	-79.82131605			56	5.4	40.4	28	5.3	28.3	48	5.3	36.8	
CVS	110247	Freshwater	Forested	Piedmont	**Wetland**	1994	35.50002012	-79.821094			48	5.5	38.4	7	5.7	15.1	38	5.5	33.9	
CVS	110249	Freshwater	Forested	Piedmont	**Wetland**	1994	35.421	-80.0237			79	5.0	44.0	5	3.0	6.7	70	4.9	41.2	
CVS	110254	Freshwater	Forested	Piedmont	**Wetland**	1994	35.35703432	-80.09406833			39	4.8	29.8	17	4.6	19.2	32	4.7	26.5	
CVS	110260	Freshwater	Herbaceous	Piedmont	**Wetland**	1994	35.41790099	-80.02413694			5	5.9	13.2	4	5.8	11.5	5	5.9	13.2	
CVS	110261	Freshwater	Herbaceous	Piedmont	**Wetland**	1994	35.41790099	-80.02413694			6	6.0	14.7	2	6.5	9.2	6	6.0	14.7	
CVS	110262	Freshwater	Herbaceous	Piedmont	**Wetland**	1994	35.41790099	-80.02413694			1	7.0	7.0	1	7.0	7.0	1	7.0	7.0	
CVS	110266	Freshwater	Forested	Piedmont	**Wetland**	1994	35.50050548	-79.81817609			46	5.8	39.1	4	5.5	11.0	39	5.8	36.0	
CVS	110285	Freshwater	Forested	Piedmont	**Wetland**	1994	35.39644303	-80.07116272			70	4.6	38.4	7	3.5	9.3	61	4.6	35.8	
CVS	110287	Freshwater	Forested	Piedmont	**Wetland**	1994	35.42452214	-79.95451558			41	5.6	35.9	8	6.3	17.7	39	5.6	35.2	
CVS	110289	Freshwater	Forested	Piedmont	**Wetland**	1994	35.438144	-80.06528418			61	5.0	38.7	22	4.5	20.9	48	5.0	34.4	
CVS	110300	Freshwater	Forested	Piedmont	**Wetland**	1994	35.41961672	-80.08312256			29	4.9	26.2	3	4.7	8.1	22	4.6	21.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	110301	Freshwater	Shrub	Piedmont	**Wetland**	1994	35.41970018	-80.08224042			19	5.2	22.6	3	6.0	10.4	16	5.0	19.9	
CVS	110303	Freshwater	Forested	Piedmont	**Wetland**	1994	35.49903944	-79.90845332			70	5.6	46.6	36	5.4	32.3	61	5.5	43.1	
CVS	110304	Freshwater	Forested	Piedmont	**Wetland**	1994	35.3	-79.9			67	5.2	42.5	6	5.5	13.5	52	5.1	36.8	
CVS	110305	Freshwater	Forested	Piedmont	**Wetland**	1994	35.2982924	-79.89378422			25	5.5	27.7	5	5.6	12.5	21	5.5	25.4	
CVS	110316	Freshwater	Forested	Piedmont	**Wetland**	1994	35.50050548	-79.81817609			45	6.0	40.2	12	6.2	21.4	39	6.2	38.8	
CVS	110317	Freshwater	Forested	Piedmont	**Wetland**	1994	35.43360003	-80.01543112			65	4.8	38.9	33	4.5	25.9	61	4.9	38.0	
CVS	110320	Freshwater	Shrub	Piedmont	**Wetland**	1994	35.31943937	-79.97072531			12	5.9	20.5	3	5.7	9.8	10	5.8	18.3	
CVS	110322	Freshwater	Forested	Piedmont	**Wetland**	1994	35.23451193	-79.80486605			70	5.0	41.7	3	5.5	9.5	64	4.9	39.4	
CVS	110366	Freshwater	Forested	Mountains	**Wetland**	1995	36.01588825	-81.76986559			42	5.5	35.4	4	6.5	13.0	36	5.6	33.8	
CVS	111089	Freshwater	Shrub	Mountains	**Wetland**	1992	35.93942121	-81.92093085			38	4.9	30.3	3	7.3	12.7	28	5.5	29.1	
CVS	111186	Freshwater	Herbaceous	Mountains	**Wetland**	1992	35.88544896	-81.90468231			6	5.5	13.5	4	5.5	11.0	3	6.3	11.0	
CVS	111952	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90546708	-77.02837934			37	4.4	27.0	5	4.8	10.7	36	4.4	26.7	
CVS	111953	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90596019	-77.02800524			28	4.3	22.5	12	3.9	13.6	27	4.1	21.6	
CVS	111954	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90235961	-77.02058963			28	4.9	26.1	13	4.6	16.6	26	4.8	24.5	
CVS	111955	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88585412	-77.01361209			33	5.3	30.3	8	4.8	13.4	27	5.2	27.1	
CVS	111956	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88549509	-77.0117996			21	5.0	22.7	7	4.6	12.1	18	4.9	21.0	
CVS	111957	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88466213	-77.01819003			32	4.7	26.5	15	4.7	18.3	30	4.6	25.4	
CVS	111958	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88439172	-77.01362711			23	5.0	23.8	6	4.3	10.6	21	4.9	22.5	
CVS	111959	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95910669	-77.18739329			47	4.2	29.0	7	4.7	12.5	41	4.0	25.7	
CVS	111960	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95533163	-77.16992618			31	5.0	27.8	3	4.0	6.9	26	4.9	24.9	
CVS	111961	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95757017	-77.16611917			30	4.8	26.5	14	4.6	17.4	24	4.8	23.5	
CVS	111962	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88601317	-77.01073931			27	4.8	25.0	14	4.5	16.8	24	4.8	23.3	
CVS	111963	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88590485	-77.00805584			31	5.0	27.7	14	4.8	17.9	29	4.9	26.6	
CVS	111964	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.87676395	-77.0252333			21	5.1	23.6	5	5.2	11.6	19	5.0	21.8	
CVS	111966	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95833519	-77.18654712			53	4.3	31.0	13	4.5	16.1	44	4.2	27.9	
CVS	111967	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.98764911	-77.18580242			33	5.2	29.8	16	5.1	20.5	26	5.1	25.9	
CVS	111968	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.98642941	-77.18462083			31	4.6	25.5	4	5.0	10.0	27	4.5	23.3	
CVS	111969	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.94752137	-77.08876863			29	4.8	25.7	7	4.9	12.9	27	4.8	24.9	
CVS	111970	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.94838564	-77.08909071			26	4.8	24.5	8	4.6	13.1	25	4.8	23.8	
CVS	111971	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.94692312	-77.08869966			17	5.1	21.0	6	6.2	15.1	17	5.1	21.0	
CVS	111972	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.96819223	-77.1319838			32	5.0	28.5	17	4.6	19.2	29	4.9	26.6	
CVS	111973	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.96734341	-77.13232023			33	5.2	29.6	4	5.3	10.5	31	5.1	28.6	
CVS	111975	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.85861313	-77.03297003			35	4.8	28.6	7	4.4	11.7	32	4.7	26.7	
CVS	111976	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.86125439	-77.03653357			20	4.7	21.0	7	3.6	9.4	18	4.6	19.6	
CVS	111977	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.93536327	-77.08309482			37	4.8	29.4	22	4.3	20.3	34	4.8	28.0	
CVS	111978	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.93321046	-77.08232671			36	4.5	27.3	20	4.4	19.5	33	4.4	25.3	
CVS	111979	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.97048268	-77.17995953			37	4.9	29.6	10	4.7	14.9	34	4.8	28.0	
CVS	111980	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.97142765	-77.17532815			40	4.7	29.7	2	5.5	7.8	35	4.6	27.2	
CVS	111981	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.97169247	-77.1689204			52	5.2	37.2	9	4.2	12.7	45	5.1	34.0	
CVS	111982	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90137427	-77.09538428			19	4.6	20.2	3	4.7	8.1	18	4.6	19.3	
CVS	111983	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88194371	-77.04907851			29	4.9	26.4	6	4.2	10.2	27	4.7	24.6	
CVS	111984	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88324535	-77.04976782			24	4.6	22.7	4	5.0	10.0	22	4.5	20.9	
CVS	111985	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88011938	-77.05270668			31	4.9	27.5	18	4.6	19.3	28	4.9	25.7	
CVS	111986	Freshwater	Forested	Coastal Plain	**Upland**	1996	35.87677293	-77.05019129			29	4.8	25.8	5	3.8	8.5	26	4.7	23.7	
CVS	111987	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83645054	-76.94371196			40	4.9	31.2	7	4.4	11.7	33	4.6	26.5	
CVS	111988	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83717887	-76.94382716			43	5.2	34.3	10	5.8	18.3	38	5.2	31.8	
CVS	111989	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.8617856	-77.0418782			32	4.6	25.8	4	5.0	10.0	30	4.6	25.0	
CVS	111990	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.86218229	-77.03683418			27	4.9	25.2	10	4.3	13.6	26	4.9	24.9	
CVS	111992	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.8337968	-76.9519798			45	4.8	32.3	4	4.8	9.5	38	4.7	29.2	
CVS	111995	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83207081	-76.9395545			42	5.1	33.3	7	5.1	13.6	37	5.1	31.1	
CVS	111996	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83612846	-76.94367199			37	4.9	29.9	4	4.5	9.0	31	4.8	26.6	
CVS	111997	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.8364598	-76.94369668			39	5.0	31.4	19	4.9	21.3	34	4.9	28.6	
CVS	111998	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83824612	-76.94388865			35	5.0	29.6	4	4.5	9.0	29	4.9	26.2	
CVS	111999	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.82659726	-76.94578273			43	5.2	33.9	10	4.7	14.9	40	5.2	32.6	
CVS	112000	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.9763912	-77.19183725			31	4.7	26.0	5	5.2	11.6	25	4.4	22.2	
CVS	112001	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.96963908	-77.19186779			41	4.8	30.7	4	5.8	11.5	34	4.5	26.3	
CVS	112002	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.93970665	-76.68719959			61	5.4	42.1	5	5.0	11.2	55	5.5	40.7	
CVS	112003	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.92448016	-76.70791294			51	5.3	37.9	7	5.9	15.5	46	5.3	36.0	

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CVS	112004	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.92218673	-76.69558914			38	5.4	33.5	4	4.8	9.5	36	5.5	33.1	
CVS	112005	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.04524676	-77.2905961			40	4.5	28.4	11	4.7	15.7	37	4.6	27.7	
CVS	112006	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.03951233	-77.28076221			50	4.3	30.2	7	4.1	11.0	47	4.3	29.5	
CVS	112008	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.06238334	-77.32249007			28	4.7	24.9	6	4.2	10.2	24	4.4	21.6	
CVS	112009	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.06287751	-77.32312961			30	4.7	25.9	3	5.0	8.7	26	4.6	23.5	
CVS	112010	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.07284898	-77.29721929			26	5.0	25.3	6	4.2	10.2	25	5.0	25.0	
CVS	112011	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83925213	-76.95881043			43	5.0	32.8	5	4.4	9.8	38	4.9	30.5	
CVS	112012	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.83891445	-76.958346			40	5.2	32.6	7	4.0	10.6	33	5.0	28.9	
CVS	112013	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.06589107	-77.29718222			24	5.0	24.3	3	5.7	9.8	20	5.0	22.4	
CVS	112014	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.07339546	-77.31494547			36	4.8	28.8	7	4.4	11.7	33	4.7	26.8	
CVS	112015	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.0713178	-77.29349086			28	5.0	26.5	2	5.5	7.8	27	5.0	26.2	
CVS	112016	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.91124025	-76.72044036			42	5.9	38.3	9	6.2	18.7	40	5.9	37.2	
CVS	112017	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.30540024	-77.52895349			39	4.1	25.3	4	4.8	9.5	35	4.0	23.8	
CVS	112018	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.30516368	-77.52884563			33	4.0	23.0	2	4.0	5.7	30	4.0	22.1	
CVS	112021	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88313297	-76.91241229			31	4.8	26.9	8	4.6	13.1	30	4.9	26.7	
CVS	112022	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.82497657	-76.90194145			39	5.2	32.3	6	5.3	13.1	38	5.2	32.1	
CVS	112023	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90216794	-76.76993052			53	5.5	40.0	9	5.7	17.0	50	5.4	38.5	
CVS	112030	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90412478	-76.7526953			53	5.4	39.0	26	5.0	25.3	51	5.4	38.8	
CVS	112031	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.91668079	-76.7449646			53	5.4	39.3	33	5.2	30.1	50	5.4	38.3	
CVS	112033	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.08584816	-77.16692758			30	5.3	29.2	6	5.0	12.2	25	5.2	25.8	
CVS	112034	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.08231816	-77.13830176			24	4.9	24.1	5	3.6	8.0	23	4.9	23.6	
CVS	112035	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.08273705	-77.14522135			22	5.4	25.2	4	5.0	10.0	21	5.3	24.2	
CVS	112038	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95203525	-76.89773999			55	5.7	42.1	9	5.4	16.3	54	5.7	41.8	
CVS	112039	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.95234636	-76.90483973			49	5.5	38.7	5	5.0	11.2	47	5.6	38.4	
CVS	112043	Freshwater	Forested	Coastal Plain	**River**	1995	35.92882337	-77.17238192			33	4.5	25.9	12	4.5	15.6	32	4.5	25.4	
CVS	112045	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.08911758	-77.15433598			32	5.6	31.5	16	5.1	20.3	30	5.4	29.8	
CVS	112046	Freshwater	Forested	Coastal Plain	**Wetland**	1995	36.0860072	-77.15752037			34	5.6	32.8	6	5.7	13.9	28	5.5	28.9	
CVS	112048	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.88712626	-76.80714765			56	5.0	37.4	5	5.0	11.2	49	4.9	34.0	
CVS	112049	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.927192	-76.68393297			21	5.7	26.2	5	5.6	12.5	21	5.7	26.2	
CVS	112050	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.9264189	-76.68345548			40	5.3	33.6	10	5.0	15.8	39	5.4	33.5	
CVS	112051	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.88772997	-76.8065676			36	5.7	34.2	2	6.5	9.2	29	5.7	30.6	
CVS	112052	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.91397203	-76.67907224			37	5.3	32.1	7	7.0	18.5	36	5.3	31.7	
CVS	112054	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.90901508	-76.68431626			40	5.5	34.8	3	7.7	13.3	39	5.5	34.4	
CVS	112055	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.900875	-76.73114503			49	5.3	37.0	8	6.0	17.0	41	5.3	34.0	
CVS	112056	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.90122307	-76.73201243			66	5.4	43.8	40	5.1	32.3	60	5.5	42.3	
CVS	112057	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.93977493	-76.73454254			59	5.7	43.9	7	5.1	13.6	56	5.8	43.2	
CVS	112058	Freshwater	Forested	Coastal Plain	**Wetland**	1995	35.99798834	-76.94173443			50	5.3	37.1	26	4.9	24.8	47	5.3	36.4	
CVS	112061	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.91163133	-76.65862593			43	5.3	35.1	4	4.3	8.5	40	5.3	33.4	
CVS	112062	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.93870008	-76.68377165			62	5.6	43.8	7	5.3	14.0	54	5.6	41.1	
CVS	112063	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.94674274	-76.72678377			32	4.2	23.9	6	3.7	9.0	31	4.2	23.3	
CVS	112064	Brackish	Forested	Coastal Plain	**Wetland**	1995	35.94650149	-76.72769868			20	5.5	24.4	12	5.0	17.3	20	5.5	24.4	
CVS	112068	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.89562664	-77.11076707			34	4.6	26.8	15	3.9	15.0	30	4.6	25.2	
CVS	112070	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.16141442	-77.27956842			42	4.5	29.0	4	4.8	9.5	35	4.2	24.7	
CVS	112071	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.16101539	-77.28016931			44	4.8	32.1	9	4.6	13.7	37	4.6	28.1	
CVS	112072	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.10174487	-77.25164375			22	5.2	24.3	12	5.2	17.9	16	5.1	20.3	
CVS	112073	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.09931899	-77.25328712			28	4.9	25.9	4	5.8	11.5	26	4.8	24.3	
CVS	112074	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.32494552	-77.45748339			36	4.9	29.2	4	4.5	9.0	28	4.5	23.6	
CVS	112075	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.32591775	-77.45543776			37	4.4	26.6	4	4.0	8.0	33	4.1	23.8	
CVS	112076	Freshwater	Forested	Coastal Plain	**Wetland**	1996	36.32552918	-77.44727566			39	4.6	28.8	3	5.3	9.2	33	4.4	25.2	
CVS	112078	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.83511605	-76.88263075			16	5.3	21.0	4	5.0	10.0	16	5.3	21.0	
CVS	112079	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.83466553	-76.88531688			18	4.7	20.0	4	6.5	13.0	18	4.7	20.0	
CVS	112080	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.92892805	-76.68952623			14	5.1	19.2	6	5.2	12.7	14	5.1	19.2	
CVS	112084	Brackish	Forested	Coastal Plain	**Wetland**	1996	35.9281239	-76.73180828			23	5.0	23.9	3	5.7	9.8	20	5.1	22.9	
CVS	112086	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.99123733	-77.21073696			33	3.7	21.2	5	3.2	7.2	29	3.8	20.3	
CVS	112087	Freshwater	Forested	Coastal Plain	**Wetland**	1996	35.94889309	-77.19531834			31	4.0	22.2	18	3.4	14.4	29	4.0	21.4	
CVS	112088	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.92223822	-76.71132257			65	5.5	44.5	4	5.8	11.5	50	5.3	37.5	
CVS	112089	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.94112559	-76.69920342			56	5.3	39.3	28	5.4	28.3	46	5.1	34.8	
CVS	112090	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.93386534	-76.73157008			50	5.5	38.6	6	5.5	13.5	41	5.4	34.4	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	112091	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.93587537	-76.87373194			63	5.7	45.6	5	5.0	11.2	58	5.7	43.6	
CVS	112092	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.93139498	-76.67767976			21	5.4	24.9	5	6.0	13.4	21	5.4	24.9	
CVS	112093	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93213893	-77.07966066			47	4.4	30.3	9	4.8	14.3	43	4.5	29.2	
CVS	112094	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93465838	-77.12161326			32	5.2	29.5	14	4.7	17.6	32	5.2	29.5	
CVS	112095	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93441837	-77.12854539			29	4.5	24.3	4	5.0	10.0	29	4.5	24.3	
CVS	112096	Freshwater	Forested	Coastal Plain	**Wetland**	2004	36.250101	-77.38796419			36	4.5	26.8	23	4.7	22.3	31	4.5	24.8	
CVS	112097	Freshwater	Forested	Coastal Plain	**Wetland**	2004	36.25154157	-77.3871401			45	4.5	30.0	7	4.9	12.9	40	4.5	28.1	
CVS	112098	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.85703353	-76.89832798			62	4.3	33.8	8	4.8	13.4	54	4.3	31.7	
CVS	112099	Freshwater	Forested	Coastal Plain	**Wetland**	1998	36.00728371	-77.20610976			25	4.6	23.1	4	3.3	6.5	24	4.6	22.8	
CVS	112100	Freshwater	Forested	Coastal Plain	**Wetland**	1998	36.00728371	-77.20610976			23	3.6	17.3	3	4.7	8.1	22	3.6	16.8	
CVS	112101	Freshwater	Forested	Coastal Plain	**Wetland**	1998	36.00728371	-77.20610976			19	3.9	16.9	3	4.0	6.9	18	3.9	16.4	
CVS	112102	Freshwater	Forested	Coastal Plain	**Wetland**	1998	35.95858398	-77.18970828			27	4.9	25.4	4	3.3	6.5	26	4.9	25.1	
CVS	112103	Freshwater	Forested	Coastal Plain	**Wetland**	1998	35.95858398	-77.18970828			18	4.1	17.4	2	3.5	4.9	16	4.1	16.5	
CVS	112104	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93331405	-77.08103261			51	4.5	32.3	5	4.0	8.9	44	4.4	29.2	
CVS	112105	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.92940103	-77.07587598			46	4.4	30.2	12	4.8	16.5	44	4.4	29.3	
CVS	112106	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93403038	-77.12399058			30	4.8	26.5	7	3.9	10.2	30	4.8	26.5	
CVS	112107	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93362291	-77.12562008			48	4.8	33.5	6	5.7	13.9	37	4.7	28.4	
CVS	112108	Freshwater	Forested	Coastal Plain	**Wetland**	2003	36.32401239	-77.4685097			13	4.0	14.4	2	5.5	7.8	13	4.0	14.4	
CVS	112109	Freshwater	Forested	Coastal Plain	**River**	2004	36.32324307	-77.46822924			28	4.3	22.7	4	5.8	11.5	25	4.0	19.8	
CVS	112110	Freshwater	Forested	Coastal Plain	**River**	2004	36.32257723	-77.4681748			27	4.3	22.2	19	4.0	17.6	26	4.2	21.3	
CVS	112111	Freshwater	Forested	Coastal Plain	**River**	2004	36.12006169	-77.24223728			25	4.4	22.0	5	5.0	11.2	23	4.2	20.0	
CVS	112112	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.85725433	-76.90032651			44	4.6	30.4	28	4.2	22.1	41	4.6	29.4	
CVS	112113	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.85729665	-76.90106946			13	5.6	20.2	3	6.0	10.4	13	5.6	20.2	
CVS	112114	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.9297092	-77.17199831			43	4.6	30.1	5	5.8	13.0	36	4.4	26.6	
CVS	112115	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93038434	-77.17155129			34	4.6	26.7	4	4.8	9.5	31	4.6	25.6	
CVS	112117	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.93347901	-77.17338721			45	3.9	26.1	13	4.2	15.0	43	4.0	25.9	
CVS	112118	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.9643028	-77.18801459			39	4.6	29.0	8	5.0	14.1	36	4.5	26.8	
CVS	112119	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.96393151	-77.18958992			38	4.4	27.0	22	4.2	19.6	33	4.2	24.3	
CVS	112120	Freshwater	Forested	Coastal Plain	**River**	2004	36.10688506	-77.24311758			32	4.1	23.0	21	3.8	17.2	29	4.0	21.5	
CVS	112121	Freshwater	Forested	Coastal Plain	**River**	2004	36.10974894	-77.24373228			26	4.3	22.2	6	4.3	10.6	26	4.3	22.2	
CVS	112122	Freshwater	Forested	Coastal Plain	**Wetland**	2004	35.85694603	-76.89930037			55	3.7	27.8	13	4.2	15.3	53	3.8	27.3	
CVS	112156	Freshwater	Forested	Piedmont	**Wetland**	1989	36.4823541	-78.58964041			58	4.6	35.0	20	4.0	17.7	52	4.6	33.1	
CVS	112157	Freshwater	Forested	Piedmont	**Wetland**	1989	36.08013804	-78.86083485			51	4.7	33.3	24	4.1	20.3	45	4.6	30.8	
CVS	112159	Freshwater	Forested	Piedmont	**Wetland**	1989	36.48618582	-78.59282543			34	4.5	26.3	15	3.7	14.2	29	4.6	24.6	
CVS	112166	Freshwater	Forested	Piedmont	**Wetland**	1989	36.07680557	-78.87111834			62	4.5	35.8	36	4.2	24.9	55	4.6	33.8	
CVS	112217	Freshwater	Forested	Mountains	**Wetland**	1996	35.33385778	-83.52290109			48	5.0	34.9	3	3.7	6.4	41	5.1	32.8	
CVS	112222	Freshwater	Shrub	Mountains	**Wetland**	1996	35.07905995	-83.53121009			36	6.3	37.8	4	6.5	13.0	29	6.3	34.0	
CVS	112224	Freshwater	Herbaceous	Mountains	**Wetland**	1996	35.09775238	-83.55387976			34	5.5	32.2	4	6.3	12.5	24	5.5	26.7	
CVS	112225	Freshwater	Herbaceous	Mountains	**Wetland**	1996	35.09721186	-83.5538629			9	5.2	15.7	9	5.2	15.7	8	5.5	15.6	
CVS	112245	Freshwater	Herbaceous	Mountains	**Wetland**	1996	35.04214393	-83.55335264			24	6.5	31.6	4	6.3	12.5	23	6.4	30.7	
CVS	113134	Freshwater	Shrub	Coastal Plain	**Wetland**	1994	34.66128147	-78.35583449			19	7.0	30.5	3	7.0	12.1	17	6.9	28.4	
CVS	113135	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.90821914	-79.30725973			33	5.5	31.5	7	5.7	15.1	27	5.4	28.1	
CVS	113136	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.69128164	-78.5986229			24	6.2	30.4	4	7.0	14.0	23	6.3	30.0	
CVS	113137	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.74905892	-78.64918099			28	6.7	35.4	4	6.3	12.5	27	6.8	35.1	
CVS	113138	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.83961264	-78.725574			10	6.5	20.6	4	6.8	13.5	10	6.5	20.6	
CVS	113139	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.8634974	-79.19531266			24	6.4	31.5	4	6.8	13.5	15	6.4	24.7	
CVS	113140	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.86377519	-79.19753493			27	6.5	33.9	4	6.0	12.0	17	6.6	27.4	
CVS	113141	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.86488631	-79.19475706			29	6.0	32.5	4	6.8	13.5	20	5.9	26.4	
CVS	113142	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85211495	-78.47139434			22	6.1	28.8	3	4.3	7.5	12	5.9	20.5	
CVS	113143	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85183719	-78.47139434			13	6.0	21.6	4	5.5	11.0	6	5.5	13.5	
CVS	113144	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85128164	-78.47194991			7	5.4	14.4	3	4.7	8.1	3	4.0	6.9	
CVS	113145	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85100386	-78.47194991			6	5.2	12.7	4	4.3	8.5	3	4.0	6.9	
CVS	113146	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85044831	-78.4722277			12	5.1	17.6	3	5.0	8.7	8	4.6	13.1	
CVS	113147	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.87933056	-79.09947696			21	6.7	30.6	5	6.8	15.2	16	6.6	26.5	
CVS	113148	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.88294171	-79.10003249			24	6.0	29.2	4	7.3	14.5	20	5.9	26.4	
CVS	113149	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.89044148	-79.04642017			23	5.3	25.2	4	6.8	13.5	16	4.8	19.0	
CVS	113150	Freshwater	Forested	Coastal Plain	**Wetland**	1994	35.06044266	-78.78863331			32	5.6	31.6	6	6.2	15.1	29	5.5	29.8	
CVS	113151	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.84877921	-78.72501845			19	6.8	29.6	4	6.8	13.5	19	6.8	29.6	

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CVS	113152	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.8385033	-78.57223267			33	6.4	36.7	7	6.9	18.1	30	6.5	35.4	
CVS	113153	Freshwater	Forested	Coastal Plain	**Wetland**	1994	35.28710729	-77.84664747			24	5.1	24.9	6	4.7	11.4	23	5.1	24.4	
CVS	113155	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.96876984	-77.12661755			21	7.0	31.9	4	6.3	12.5	18	7.2	30.6	
CVS	113157	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89849704	-76.37436169			3	5.7	9.8	2	5.0	7.1	1	3.0	3.0	
CVS	113158	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89877483	-76.3740839			12	6.0	20.8	3	7.3	12.7	9	5.8	17.3	
CVS	113159	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89849706	-76.37352831			6	5.8	14.3	2	6.0	8.5	2	5.5	7.8	
CVS	113160	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89821929	-76.37352831			6	5.0	12.2	2	6.5	9.2	1	5.0	5.0	
CVS	113161	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89794152	-76.37297272			5	6.2	13.9	2	6.5	9.2	3	6.0	10.4	
CVS	113162	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89849705	-76.37380611			21	5.2	24.0	10	5.5	17.4	13	5.5	20.0	
CVS	113163	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.89849705	-76.37380611			18	5.7	24.3	7	5.6	14.7	14	5.9	22.2	
CVS	113164	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.89877478	-76.37769522			25	6.4	32.1	6	6.5	15.9	22	6.6	31.0	
CVS	113165	Freshwater	Forested	Coastal Plain	**Wetland**	1994	33.9729508	-78.08693682			13	7.1	25.5	7	6.9	18.1	13	7.1	25.5	
CVS	113179	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.84849446	-79.3986537			16	5.9	23.5	10	6.3	19.9	7	5.4	14.4	
CVS	113180	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.84877224	-79.39865369			10	6.2	19.6	4	5.0	10.0	5	5.6	12.5	
CVS	113182	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.84932783	-79.39698694			9	6.1	18.3	3	4.7	8.1	4	5.8	11.5	
CVS	113183	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85016116	-79.39698692			14	5.4	20.3	6	5.5	13.5	4	4.3	8.5	
CVS	113184	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85071665	-79.40059817			12	6.0	20.8	3	5.0	8.7	5	6.2	13.9	
CVS	113185	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.85099441	-79.40087595			11	6.0	19.9	6	5.2	12.7	5	5.2	11.6	
CVS	113186	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.8512722	-79.40087595			13	5.8	20.8	2	5.0	7.1	6	4.8	11.8	
CVS	113187	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.847661	-79.40532066			26	5.5	28.2	4	4.8	9.5	17	5.4	22.3	
CVS	113188	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.83460793	-79.07892145			19	5.3	22.9	4	6.0	12.0	18	5.2	21.9	
CVS	113190	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.65543901	-79.49143811			24	5.9	29.0	3	5.0	8.7	12	5.4	18.8	
CVS	113191	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1994	34.65599456	-79.49254926			23	5.9	28.4	8	5.6	15.9	11	5.8	19.3	
CVS	113192	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.79015796	-79.63144406			28	6.1	32.3	5	6.6	14.8	23	6.3	30.2	
CVS	113193	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.79099129	-79.63033287			22	5.8	27.4	3	7.3	12.7	20	5.9	26.3	
CVS	113200	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.79405377	-78.92586085			10	6.1	19.3	4	5.8	11.5	8	6.1	17.3	
CVS	113201	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.75016115	-76.99883475			34	6.0	35.1	5	5.4	12.1	32	5.9	33.5	
CVS	113202	Freshwater	Forested	Coastal Plain	**Wetland**	1994	35.3265512	-77.75553257			30	6.0	33.0	5	6.4	14.3	26	6.1	31.3	
CVS	113203	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.76822089	-78.90836011			28	5.8	30.9	1	7.0	7.0	25	6.0	30.1	
CVS	113204	Freshwater	Forested	Coastal Plain	**Wetland**	1994	34.43933474	-77.74359017			19	6.6	28.9	6	6.7	16.3	18	6.8	29.0	
CVS	113205	Freshwater	Shrub	Coastal Plain	**Wetland**	1995	34.87544583	-78.70279514			22	7.0	32.6	6	7.5	18.4	19	7.1	30.7	
CVS	113206	Freshwater	Shrub	Coastal Plain	**Wetland**	1995	34.72350457	-78.43889318			15	6.3	24.3	3	7.7	13.3	14	6.2	23.3	
CVS	113207	Freshwater	Forested	Coastal Plain	**Wetland**	1995	34.91794686	-78.58389996			21	5.6	25.6	8	5.4	15.2	20	5.5	24.7	
CVS	113208	Freshwater	Shrub	Coastal Plain	**Wetland**	1995	35.6	-75.8			21	6.9	31.4	8	6.9	19.4	18	7.1	30.2	
CVS	113210	Freshwater	Shrub	Coastal Plain	**Wetland**	1995	34.85877127	-77.00550188			19	6.4	28.0	3	8.0	13.9	11	6.5	21.7	
CVS	113211	Freshwater	Shrub	Coastal Plain	**Wetland**	1995	34.85766018	-77.00272401			14	6.6	24.6	4	7.5	15.0	11	6.5	21.7	
CVS	113212	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84932695	-76.98966782			3	6.7	11.5	1	6.0	6.0	2	7.0	9.9	
CVS	113213	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84932694	-76.98883445			6	6.3	15.5	2	7.0	9.9	4	6.0	12.0	
CVS	113214	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85043805	-76.98883445			7	6.0	15.9	2	5.5	7.8	5	6.0	13.4	
CVS	113215	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85211495	-78.47139434			15	6.1	23.5	4	5.0	10.0	8	5.8	16.3	
CVS	113216	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85183719	-78.47139434			6	5.5	13.5	4	5.5	11.0	3	4.0	6.9	
CVS	113217	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85128164	-78.47194991			2	4.5	6.4	2	4.5	6.4	1	2.0	2.0	
CVS	113218	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85100386	-78.47194991			6	5.5	13.5	3	5.3	9.2	4	4.5	9.0	
CVS	113219	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89849704	-76.37436169			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	113220	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89877483	-76.3740839			9	5.7	17.0	3	5.3	9.2	7	5.3	14.0	
CVS	113221	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89849705	-76.37380611			19	5.4	23.4	9	5.1	15.3	12	5.3	18.5	
CVS	113222	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89849706	-76.37352831			6	5.8	14.3	2	6.0	8.5	2	5.5	7.8	
CVS	113223	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89821929	-76.37352831			6	6.0	14.7	3	6.3	11.0	2	5.5	7.8	
CVS	113224	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.89794152	-76.37297272			7	5.3	14.0	5	5.6	12.5	4	4.8	9.5	
CVS	113225	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84849446	-79.3986537			17	6.0	24.7	14	6.0	22.4	5	6.2	13.9	
CVS	113226	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84877224	-79.39865369			14	6.5	24.3	4	7.0	14.0	4	7.3	14.5	
CVS	113227	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84932782	-79.39782031			8	6.1	17.3	3	6.3	11.0	3	5.7	9.8	
CVS	113228	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.84932783	-79.39698694			3	6.7	11.5	1	6.0	6.0				all graminoids
CVS	113229	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85016116	-79.39698692			15	5.9	23.0	7	6.0	15.9	4	4.5	9.0	
CVS	113230	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85071665	-79.40059817			15	6.1	23.5	3	6.0	10.4	7	6.1	16.3	
CVS	113231	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.85099441	-79.40087595			16	5.8	23.0	5	5.6	12.5	8	5.4	15.2	
CVS	113232	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1995	34.8512722	-79.40087595			10	5.8	18.3	4	5.0	10.0	5	5.2	11.6	
CVS	113233	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86405298	-79.19864606			9	6.8	20.3	2	7.5	10.6	7	6.6	17.4	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	113234	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86488632	-79.19809047			8	7.0	19.8	3	6.7	11.5	6	6.8	16.7	
CVS	113235	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86433076	-79.19753492			12	6.9	24.0	6	7.7	18.8	9	6.8	20.3	
CVS	113236	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86321962	-79.19392374			10	7.1	22.5	9	7.1	21.3	7	7.0	18.5	
CVS	113237	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86377519	-79.19753493			9	7.1	21.3	2	6.5	9.2	7	7.1	18.9	
CVS	113238	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86349741	-79.19809049			11	6.8	22.6	3	6.7	11.5	6	6.8	16.7	
CVS	113239	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86294185	-79.19753494			10	6.8	21.5	3	6.7	11.5	7	7.0	18.5	
CVS	113240	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86155293	-79.19559047			11	6.5	21.4	3	6.7	11.5	7	6.3	16.6	
CVS	113241	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86210849	-79.19475711			8	7.1	20.2	3	6.7	11.5	6	7.0	17.1	
CVS	113242	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86488631	-79.19559041			13	6.8	24.4	6	6.7	16.3	10	6.9	21.8	
CVS	113243	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86405297	-79.19531265			13	6.7	24.1	12	6.7	23.1	10	6.8	21.5	
CVS	113244	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86460853	-79.19475707			11	7.1	23.5	3	6.7	11.5	7	7.0	18.5	
CVS	113245	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86266405	-79.19392375			14	6.7	25.1	4	7.3	14.5	11	6.8	22.6	
CVS	113246	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.8634974	-79.19697936			14	6.1	23.0	4	7.3	14.5	11	6.2	20.5	
CVS	113247	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86266406	-79.19670159			15	6.5	25.3	6	6.8	16.7	10	6.4	20.2	
CVS	113248	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86238627	-79.19586824			11	6.4	21.1	4	6.3	12.5	7	6.1	16.3	
CVS	113249	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86294184	-79.19447931			17	5.8	23.8	5	6.4	14.3	12	5.5	19.1	
CVS	113250	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.8634974	-79.19559044			15	6.4	24.8	7	6.3	16.6	12	6.5	22.5	
CVS	113251	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86183071	-79.1933682			10	6.8	21.5	4	6.3	12.5	5	6.8	15.2	
CVS	113252	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86266405	-79.19253483			16	6.0	24.0	6	6.5	15.9	11	5.7	19.0	
CVS	113253	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86377518	-79.19392373			14	6.9	25.9	7	6.4	17.0	11	7.2	23.8	
CVS	113254	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.8634974	-79.19309038			14	6.3	23.5	8	6.6	18.7	11	6.3	20.8	
CVS	113255	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86627523	-79.19670152			16	6.1	24.5	5	6.2	13.9	10	6.1	19.3	
CVS	113256	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86544188	-79.19614597			13	6.5	23.6	3	6.7	11.5	8	6.3	17.7	
CVS	113257	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86377519	-79.19753493			9	6.8	20.3	3	6.7	11.5	6	6.8	16.7	
CVS	113258	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86405297	-79.19642378			10	6.8	21.5	9	6.8	20.3	6	6.8	16.7	
CVS	113259	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86460853	-79.19670155			13	6.6	23.9	3	6.7	11.5	10	6.4	20.2	
CVS	113260	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.86599744	-79.19781267			10	6.4	20.2	4	8.0	16.0	7	6.1	16.3	
CVS	113262	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.80682995	-79.09169985			31	6.4	35.4	4	6.8	13.5	25	6.3	31.6	
CVS	113265	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.80794108	-79.09197762			28	6.0	31.7	6	6.6	16.1	23	6.1	29.3	
CVS	113268	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.80710773	-79.09086649			20	5.9	26.2	7	5.6	14.7	16	6.0	24.0	
CVS	113273	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.80710773	-79.09114428			19	6.1	26.6	3	4.7	8.1	15	6.3	24.3	
CVS	113274	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.80655218	-79.09058871			7	5.1	13.6	3	5.0	8.7	6	5.2	12.7	
CVS	113275	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.80682995	-79.0908665			22	5.6	26.2	6	5.8	14.3	20	5.7	25.3	
CVS	113276	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79405379	-78.92447189			6	6.3	15.5	2	7.0	9.9	3	6.7	11.5	
CVS	113277	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79377602	-78.92447189			8	6.3	17.7	3	6.7	11.5	6	6.3	15.5	
CVS	113278	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79405379	-78.92447189			9	6.0	18.0	5	5.4	12.1	3	6.7	11.5	
CVS	113279	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.79377599	-78.92586085			14	5.4	20.3	4	7.0	14.0	8	5.5	15.6	
CVS	113280	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79405378	-78.92530527			10	6.3	19.9	10	6.3	19.9	3	6.7	11.5	
CVS	113281	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79488711	-78.92558305			8	6.5	18.4	4	6.8	13.5	3	7.3	12.7	
CVS	113282	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.79516487	-78.92586084			8	5.8	16.3	2	6.5	9.2	5	5.8	13.0	
CVS	113283	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79460931	-78.92613864			10	6.2	19.6	10	6.2	19.6	5	6.4	14.3	
CVS	113284	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79488711	-78.92502747			12	6.0	20.8	3	7.7	13.3	7	6.0	15.9	
CVS	113285	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79322047	-78.9244719			8	6.8	19.1	8	6.8	19.1	3	8.0	13.9	
CVS	113286	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79349823	-78.92474969			9	6.0	18.0	3	6.3	11.0	4	6.5	13.0	
CVS	113287	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.79349822	-78.92530527			8	5.5	15.6	2	6.5	9.2	4	6.8	13.5	
CVS	113288	Freshwater	Forested	Coastal Plain	**Wetland**	1981	34.7946093	-78.92669421			17	5.6	23.0	8	6.1	17.3	9	5.7	17.0	
CVS	113289	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79377601	-78.92502748			10	5.9	18.7	10	5.9	18.7	5	5.8	13.0	
CVS	113290	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.7940538	-78.9241941			7	6.6	17.4	4	6.5	13.0	3	7.3	12.7	
CVS	113291	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79433154	-78.92613864			8	6.5	18.4	4	7.3	14.5	3	7.3	12.7	
CVS	113292	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79433154	-78.92613864			10	5.8	18.3	3	7.0	12.1	4	7.0	14.0	
CVS	113293	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79405382	-78.92363853			8	5.8	16.3	2	7.0	9.9	4	5.5	11.0	
CVS	113294	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79349825	-78.92391632			10	6.5	20.6	7	6.1	16.3	4	7.0	14.0	
CVS	113295	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1981	34.79516489	-78.92502747			12	5.8	19.9	4	7.5	15.0	7	5.6	14.7	
CVS	113297	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82738723	-78.91363799			12	4.4	15.3	3	4.3	7.5	9	4.0	12.0	
CVS	113298	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82794277	-78.91419356			4	6.5	13.0	1	6.0	6.0				all graminoids
CVS	113299	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82738722	-78.91447136			3	6.3	11.0	2	6.5	9.2	1	6.0	6.0	
CVS	113300	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.8273872	-78.91502694			2	6.0	8.5	1	6.0	6.0	1	6.0	6.0	
CVS	113301	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82710943	-78.91474915			1	6.0	6.0	1	6.0	6.0				all graminoids

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	113302	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82683167	-78.91419357			4	6.5	13.0	2	6.0	8.5	1	6.0	6.0	
CVS	113303	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82822055	-78.91447135			7	4.6	12.1	4	5.0	10.0	5	3.8	8.5	
CVS	113304	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82822055	-78.91474915			1	3.0	3.0	1	3.0	3.0	1	3.0	3.0	
CVS	113305	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82683168	-78.91363799			3	4.7	8.1	2	6.0	8.5	2	4.0	5.7	
CVS	113306	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82822055	-78.91447135			3	2.7	4.6	2	2.5	3.5	3	2.7	4.6	
CVS	113307	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82683166	-78.91447136			2	6.5	9.2	1	7.0	7.0	1	6.0	6.0	
CVS	113308	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.82794278	-78.91391578			9	4.9	14.7	5	5.2	11.6	5	4.2	9.4	
CVS	113309	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85183719	-78.47167212			2	7.5	10.6	2	7.5	10.6				all graminoids
CVS	113310	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85128163	-78.47139434			2	7.5	10.6	2	7.5	10.6				all graminoids
CVS	113311	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85072608	-78.47139434			2	7.5	10.6	2	7.5	10.6				all graminoids
CVS	113312	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85100386	-78.4722277			3	7.0	12.1	1	8.0	8.0	1	6.0	6.0	
CVS	113313	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85100386	-78.47194991			2	7.5	10.6	2	7.5	10.6				all graminoids
CVS	113314	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85155941	-78.47194991			2	7.5	10.6	1	8.0	8.0				all graminoids
CVS	113315	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.85072608	-78.47083875			5	6.1	13.6	3	6.3	11.0	4	5.6	11.3	
CVS	113316	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85044831	-78.47167212			3	6.0	10.4	2	7.5	10.6	1	3.0	3.0	
CVS	113317	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85017052	-78.47083876			3	7.0	12.1	2	7.5	10.6	1	6.0	6.0	
CVS	113318	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.84989275	-78.47056096			3	6.7	11.5	1	6.0	6.0	1	6.0	6.0	
CVS	113319	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85155942	-78.47250549			4	7.0	14.0	2	7.0	9.9	2	6.5	9.2	
CVS	113320	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85155941	-78.47167212			5	6.2	13.9	3	6.3	11.0	3	6.0	10.4	
CVS	113321	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85128163	-78.47111654			2	6.0	8.5	1	6.0	6.0	1	6.0	6.0	
CVS	113322	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85100385	-78.47083875			4	7.0	14.0	2	7.0	9.9	2	6.5	9.2	
CVS	113323	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85183719	-78.47139434			9	6.0	18.0	2	6.0	8.5	3	5.7	9.8	
CVS	113324	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85017053	-78.47194991			5	4.2	9.4	5	4.2	9.4	5	4.2	9.4	
CVS	113325	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85044831	-78.47111655			4	3.8	7.5	2	3.0	4.2	4	3.8	7.5	
CVS	113326	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85044831	-78.4722277			4	4.5	9.0	4	4.5	9.0	4	4.5	9.0	
CVS	113327	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.8504483	-78.47000539			9	5.3	16.0	3	3.7	6.4	9	5.3	16.0	
CVS	113328	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.85100385	-78.47000539			18	6.1	25.7	7	5.6	14.7	16	6.1	24.5	
CVS	113329	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88683104	-79.18170083			8	7.1	20.2	2	8.5	12.0	5	8.0	17.9	
CVS	113330	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88683104	-79.18197862			9	7.2	21.7	3	8.0	13.9	6	7.2	17.6	
CVS	113331	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88655326	-79.18197862			13	6.1	21.9	3	6.7	11.5	8	6.5	18.4	
CVS	113332	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88655325	-79.18170084			11	6.3	20.8	4	8.0	16.0	6	6.2	15.1	
CVS	113333	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1983	34.88655325	-79.18170084			13	5.4	19.4	4	3.3	6.5	10	5.2	16.4	
CVS	113334	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88599768	-79.17975637			2	8.5	12.0	2	8.5	12.0	2	8.5	12.0	
CVS	113335	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88794216	-79.1819786			2	8.5	12.0	2	8.5	12.0	2	8.5	12.0	
CVS	113336	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88766438	-79.18170082			3	7.3	12.7	2	8.5	12.0	2	8.5	12.0	
CVS	113337	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88738658	-79.17947856			3	7.3	12.7	2	8.5	12.0	2	8.5	12.0	
CVS	113338	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88683103	-79.18086749			2	8.5	12.0	2	8.5	12.0	2	8.5	12.0	
CVS	113339	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88766438	-79.18114526			7	7.1	18.9	3	8.0	13.9	4	7.5	15.0	
CVS	113340	Freshwater	Forested	Coastal Plain	**Wetland**	1983	34.88655324	-79.18003414			9	6.8	20.3	2	8.5	12.0	5	7.0	15.7	
CVS	113341	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.98987917	-79.51143289			8	6.3	17.7	2	5.5	7.8	5	6.0	13.4	
CVS	113342	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.99015696	-79.51115509			3	6.3	11.0	2	6.5	9.2	2	6.0	8.5	
CVS	113343	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.99043473	-79.51143288			4	6.5	13.0	1	7.0	7.0	2	6.0	8.5	
CVS	113344	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.98960141	-79.5111551			3	6.3	11.0	1	7.0	7.0	2	6.0	8.5	
CVS	113345	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.98987919	-79.51059951			3	6.3	11.0	1	7.0	7.0	2	6.0	8.5	
CVS	113346	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.9896014	-79.51143289			6	6.2	15.1	1	6.0	6.0	4	5.8	11.5	
CVS	113347	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.99043474	-79.51087729			7	6.3	16.6	1	7.0	7.0	4	6.0	12.0	
CVS	113348	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.99015697	-79.51032172			9	6.2	18.7	3	7.0	12.1	5	6.4	14.3	
CVS	113349	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.99043474	-79.5105995			26	5.4	27.7	4	5.0	10.0	21	5.4	24.9	
CVS	113350	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.99071251	-79.51087728			17	4.5	18.6	2	6.0	8.5	15	4.5	17.4	
CVS	113351	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.9898792	-79.51032173			11	5.8	19.3	2	5.0	7.1	7	6.1	16.3	
CVS	113352	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.98932365	-79.51032174			14	5.8	21.6	5	5.8	13.0	9	5.6	16.7	
CVS	113353	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.98904588	-79.51059953			7	5.4	14.4	2	6.5	9.2	3	4.3	7.5	
CVS	113354	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.99015695	-79.51171066			14	4.1	15.4	8	4.3	12.2	6	3.4	8.4	
CVS	113355	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.65543902	-79.49116032			12	6.5	22.5	2	7.0	9.9	7	7.0	18.5	
CVS	113356	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.65516123	-79.49171589			18	5.8	24.5	5	5.0	11.2	12	5.8	19.9	
CVS	113358	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.65516124	-79.49116032			12	6.7	23.1	2	7.0	9.9	8	7.0	19.8	
CVS	113361	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.65738343	-79.4939382			9	7.2	21.7	1	7.0	7.0	7	7.4	19.7	
CVS	113362	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.65682789	-79.49310483			13	6.0	21.6	3	4.3	7.5	10	5.8	18.3	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	113363	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.65627234	-79.49254926			7	7.0	18.5	2	8.0	11.3	5	7.8	17.4	
CVS	113364	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.65599456	-79.49254926			8	7.0	19.8	2	8.0	11.3	7	7.1	18.9	
CVS	113366	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.65738344	-79.49366041			20	6.2	27.7	5	5.8	13.0	14	6.0	22.4	
CVS	113368	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67321671	-79.48810454			9	6.6	19.7	1	3.0	3.0	5	6.0	13.4	
CVS	113369	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67377226	-79.48754896			27	4.9	25.2	4	3.8	7.5	21	4.4	20.1	
CVS	113370	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67349448	-79.48727117			11	6.5	21.4	2	5.5	7.8	8	6.3	17.7	
CVS	113371	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.67266116	-79.48754897			6	6.0	14.7	3	5.3	9.2	4	5.3	10.5	
CVS	113372	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67377226	-79.48782675			9	5.3	16.0	2	5.0	7.1	6	5.5	13.5	
CVS	113373	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67321672	-79.48727117			7	5.9	15.5	3	4.7	8.1	6	6.0	14.7	
CVS	113374	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67321671	-79.48810454			16	5.6	22.3	5	5.2	11.6	11	5.1	16.9	
CVS	113375	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.67293894	-79.48727117			3	4.7	8.1	1	5.0	5.0	2	4.5	6.4	
CVS	113376	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88016389	-79.09753247			11	6.4	21.1	3	7.3	12.7	8	6.8	19.1	
CVS	113377	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.87905278	-79.09836583			4	8.0	16.0	3	8.0	13.9	3	8.3	14.4	
CVS	113378	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88044168	-79.09947695			8	6.4	18.0	2	7.5	10.6	5	6.8	15.2	
CVS	113379	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.87933056	-79.10003254			7	7.3	19.3	3	7.7	13.3	6	7.3	18.0	
CVS	113380	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88044169	-79.10142144			6	7.5	18.4	4	7.5	15.0	5	7.6	17.0	
CVS	113382	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88266393	-79.10197698			6	7.3	18.0	3	7.3	12.7	5	7.4	16.5	
CVS	113383	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88127504	-79.10475483			17	5.6	23.0	3	5.7	9.8	16	5.5	22.0	
CVS	113384	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.87960835	-79.10197702			4	7.5	15.0	3	7.3	12.7	3	7.7	13.3	
CVS	113385	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88127503	-79.10114365			3	7.3	12.7	2	7.5	10.6	2	7.5	10.6	
CVS	113386	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88127502	-79.09975473			3	7.3	12.7	2	7.5	10.6	2	7.5	10.6	
CVS	113387	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88155281	-79.10308813			4	8.0	16.0	2	7.5	10.6	3	8.3	14.4	
CVS	113388	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88266394	-79.10531039			7	6.1	16.3	3	7.3	12.7	5	6.2	13.9	
CVS	113389	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.8832195	-79.10336589			5	7.8	17.4	2	7.5	10.6	4	8.0	16.0	
CVS	113390	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88266393	-79.10031028			7	5.9	15.5	2	8.0	11.3	5	5.8	13.0	
CVS	113391	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88349726	-79.10169918			14	6.5	24.3	10	7.0	22.1	11	6.5	21.4	
CVS	113392	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88321949	-79.10058805			6	7.3	18.0	2	7.5	10.6	5	7.4	16.5	
CVS	113393	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88210835	-79.09864358			12	6.5	22.5	4	7.8	15.5	10	6.5	20.6	
CVS	113394	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88183059	-79.10086585			9	7.2	21.7	3	7.3	12.7	7	7.4	19.7	
CVS	113395	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88183059	-79.10197699			5	7.2	16.1	2	7.5	10.6	4	7.3	14.5	
CVS	113396	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.88155281	-79.10169921			4	6.8	13.5	3	7.3	12.7	2	7.5	10.6	
CVS	113397	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84682771	-79.40337615			12	4.8	16.5	5	5.2	11.6	9	4.4	13.3	
CVS	113398	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84405001	-79.39976495			15	6.5	25.3	3	7.0	12.1	8	6.6	18.7	
CVS	113399	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.8479388	-79.40448728			16	6.1	24.5	3	6.0	10.4	9	6.3	19.0	
CVS	113400	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84543889	-79.40004271			16	6.2	24.8	3	6.3	11.0	11	6.2	20.5	
CVS	113401	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1984	34.84460546	-79.40448736			10	4.2	13.1	2	4.0	5.7	9	3.9	11.8	
CVS	113402	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84571662	-79.40226502			11	5.6	18.7	2	7.0	9.9	6	5.0	12.2	
CVS	113403	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84738329	-79.40226498			11	6.4	21.1	4	6.5	13.0	8	6.5	18.4	
CVS	113404	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84654996	-79.402265			19	6.3	27.5	4	6.3	12.5	11	6.5	21.4	
CVS	113405	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.84738324	-79.40476508			16	5.6	22.3	7	6.0	15.9	11	5.4	17.8	
CVS	113406	Freshwater	Forested	Coastal Plain	**Wetland**	1984	34.8465499	-79.40532069			16	5.0	20.0	5	5.8	13.0	11	4.6	15.4	
CVS	113408	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.06294261	-78.78974447			23	5.8	27.6	6	6.2	15.1	21	5.6	25.9	
CVS	113409	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.83627211	-79.40698765			17	6.3	26.0	4	6.3	12.5	16	6.3	25.0	
CVS	113410	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.88210835	-79.09892137			11	6.7	22.3	4	6.8	13.5	8	6.6	18.7	
CVS	113411	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.87988612	-79.09919917			19	6.4	28.0	8	6.8	19.1	13	6.3	22.7	
CVS	113412	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.79433156	-78.92558305			10	5.5	17.4	4	6.3	12.5	7	5.4	14.4	
CVS	113413	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1988	34.84905002	-79.39837589			10	5.5	17.4	3	3.7	6.4	4	5.3	10.5	
CVS	113414	Freshwater	Herbaceous	Coastal Plain	**Wetland**	1988	34.9134964	-79.32753822			21	4.8	21.8	5	4.2	9.4	17	4.6	19.2	
CVS	113415	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.90849687	-79.30864867			21	6.0	27.7	5	6.2	13.9	18	6.2	26.2	
CVS	113416	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.89044148	-79.04669795			11	5.5	18.4	3	6.7	11.5	9	5.4	16.3	
CVS	113417	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.79405111	-79.30642885			11	5.4	17.8	2	7.0	9.9	6	5.0	12.2	
CVS	113418	Freshwater	Forested	Coastal Plain	**Wetland**	1988	35.01488408	-79.37031524			14	6.4	23.8	5	7.6	17.0	12	6.3	21.9	
CVS	113419	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.86405297	-79.19642378			13	6.2	22.2	7	6.4	17.0	8	5.9	16.6	
CVS	113420	Freshwater	Forested	Coastal Plain	**Wetland**	1988	34.86460854	-79.19864605			15	6.1	23.8	5	6.8	15.2	10	6.0	19.0	
CVS	113787	Freshwater	Forested	Mountains	**Wetland**	1998	35.17747231	-82.62454526			43	6.1	40.1	7	6.3	16.6	38	6.0	36.8	
CVS	113827	Freshwater	Forested	Mountains	**Wetland**	1998	35.31621952	-82.25258879			66	4.2	34.0	4	2.8	5.5	61	4.2	32.8	
CVS	113828	Freshwater	Forested	Mountains	**Wetland**	1998	35.31658924	-82.25171447			57	4.4	33.6	5	4.4	9.8	52	4.5	32.4	
CVS	113829	Freshwater	Forested	Mountains	**Wetland**	1998	35.17697422	-82.62538089			40	6.5	41.0	4	7.0	14.0	38	6.5	39.9	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	113914	Freshwater	Forested	Mountains	**Wetland**	1992	35.90372446	-81.82473702			23	5.7	27.3	7	6.1	16.3	22	5.7	26.7	
CVS	114191	Freshwater	Herbaceous	Mountains	**Wetland**	1998	35.63050395	-83.38682092			14	7.5	28.1	4	7.0	14.0	9	7.6	22.7	
CVS	114856	Freshwater	Forested	Mountains	**Wetland**	2001	35.80102317	-82.16640378			31	6.4	35.7	3	7.3	12.7	30	6.3	34.6	
CVS	114857	Freshwater	Forested	Mountains	**Wetland**	2001	35.59457136	-81.60891533			44	5.3	34.9	13	5.1	18.4	43	5.2	34.4	
CVS	114895	Freshwater	Shrub	Mountains	**Wetland**	2001	35.91370892	-81.84106664			55	4.9	36.1	33	5.1	29.4	41	4.8	30.8	
CVS	114967	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.85865564	-78.53120037			8	6.8	19.1	2	7.5	10.6	5	6.4	14.3	
CVS	114968	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.86093719	-78.53032413			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	114969	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.86140064	-78.53050531			6	7.5	18.4	1	7.0	7.0	4	7.5	15.0	
CVS	114970	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.85884869	-78.53093544			6	7.5	18.4	1	8.0	8.0	4	7.5	15.0	
CVS	114979	Saltwater	Shrub	Coastal Plain	**Wetland**	2002	33.85679292	-78.53678712			9	3.9	11.8	5	4.0	8.9	9	3.9	11.8	
CVS	114984	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85807581	-78.53601539			4	7.5	15.0	2	7.5	10.6	1	8.0	8.0	
CVS	114985	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85842773	-78.53648079			3	7.3	12.7	1	7.0	7.0	2	7.5	10.6	
CVS	114986	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.8578398	-78.53593571			5	7.2	16.1	1	7.0	7.0	2	7.0	9.9	
CVS	114987	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85817132	-78.53628282			4	7.5	15.0	3	7.3	12.7	2	7.5	10.6	
CVS	114988	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.85803767	-78.53636231			4	7.5	15.0	1	8.0	8.0	1	8.0	8.0	
CVS	114989	Saltwater	Shrub	Coastal Plain	**Wetland**	2002	33.85827269	-78.53549099			11	5.5	18.1	5	5.8	13.0	10	5.3	16.8	
CVS	114990	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.85794407	-78.53168556			7	6.4	17.0	3	6.0	10.4	4	5.8	11.5	
CVS	114991	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85673956	-78.53727496			18	4.2	17.7	4	5.3	10.5	13	3.8	13.6	
CVS	114999	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85717424	-78.53737055			9	7.3	22.0	2	7.5	10.6	4	7.5	15.0	
CVS	115000	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85590342	-78.53874707			7	7.4	19.7	1	8.0	8.0	4	7.5	15.0	
CVS	115001	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	33.85590083	-78.53861747			8	7.4	20.9	3	7.7	13.3	4	7.5	15.0	
CVS	115004	Brackish	Herbaceous	Coastal Plain	**Wetland**	2002	33.85890218	-78.53901765			2	7.5	10.6	1	8.0	8.0	1	8.0	8.0	
CVS	115024	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.85730609	-78.54036029			4	7.3	14.5	2	7.5	10.6	2	7.5	10.6	
CVS	115025	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.85770964	-78.54025145			5	7.0	15.7	2	7.0	9.9	3	7.0	12.1	
CVS	115027	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.85756036	-78.53864549			7	7.4	19.7	2	7.5	10.6	4	7.5	15.0	
CVS	115028	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	33.85967826	-78.53950332			7	7.3	19.3	2	7.5	10.6	5	7.2	16.1	
CVS	115029	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.86005801	-78.53594763			7	7.3	19.3	1	6.0	6.0	3	7.7	13.3	
CVS	115030	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.86110374	-78.53323734			3	7.3	12.7	1	7.0	7.0	2	7.5	10.6	
CVS	115031	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.86105501	-78.53305501			5	7.4	16.5	1	7.0	7.0	3	7.7	13.3	
CVS	115032	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	33.86133731	-78.53274428			4	7.5	15.0	3	7.3	12.7	2	7.5	10.6	
CVS	115043	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	33.85676313	-78.53710137			14	6.4	23.8	3	6.3	11.0	9	6.3	19.0	
CVS	115050	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	33.85995733	-78.53722578			11	4.6	15.4	3	4.0	6.9	10	4.4	13.9	
CVS	115052	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	33.85977879	-78.53686346			9	4.4	13.3	6	4.7	11.4	9	4.4	13.3	
CVS	115053	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	33.86109819	-78.53205949			12	4.1	14.3	10	4.1	13.0	11	3.9	12.8	
CVS	115176	Freshwater	Forested	Piedmont	**River**	2002	36.25307199	-80.5028892			57	5.0	37.4	29	4.6	24.9	51	5.0	35.6	
CVS	115217	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	36.39503424	-75.83146246			24	4.6	22.5	5	4.4	9.8	16	4.4	17.5	
CVS	115218	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	36.3958788	-75.8318729			19	4.5	19.7	3	4.3	7.5	11	4.0	13.3	
CVS	115224	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	35.19387125	-75.74039321			9	6.7	20.0	2	5.0	7.1	4	6.0	12.0	
CVS	115226	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.78398785	-75.53908684			5	7.0	15.7	1	7.0	7.0	1	8.0	8.0	
CVS	115227	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.62823796	-75.79387372			18	6.7	28.5	3	6.3	11.0	15	6.7	26.1	
CVS	115228	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.63022354	-75.79630088			13	7.0	25.2	4	6.0	12.0	12	7.0	24.2	
CVS	115231	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.23646635	-75.5744988			22	4.7	21.9	4	5.8	11.5	12	4.9	16.9	
CVS	115232	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.23712618	-75.57416276			18	4.7	19.8	3	4.0	6.9	15	4.3	16.5	
CVS	115234	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	36.3899291	-75.83420425			34	4.9	28.8	3	4.7	8.1	31	4.9	27.3	
CVS	115235	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.8562867	-75.62153051			4	7.0	14.0	2	7.5	10.6				all graminoids
CVS	115236	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.85657751	-75.62108977			5	7.4	16.5	1	7.0	7.0	1	8.0	8.0	
CVS	115237	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.85657762	-75.62106762			4	7.3	14.5	2	7.0	9.9				all graminoids
CVS	115238	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.85682001	-75.62126888			2	7.0	9.9	1	7.0	7.0				all graminoids
CVS	115239	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.87487424	-75.65092172			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	115240	Brackish	Forested	Coastal Plain	**Wetland**	2003	35.89127579	-75.64397599			17	4.8	19.6	3	5.3	9.2	13	4.2	15.0	
CVS	115242	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.9900998	-75.67311376			10	5.9	18.7	2	7.5	10.6	5	4.8	10.7	
CVS	115243	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.99022714	-75.67291516			8	6.3	17.7	3	5.7	9.8	3	5.0	8.7	
CVS	115244	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.98991117	-75.67299013			25	5.0	25.0	3	5.3	9.2	21	4.6	21.2	
CVS	115245	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.98899009	-75.67165104			16	5.1	20.3	5	5.8	13.0	10	4.3	13.6	
CVS	115246	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	35.37935109	-75.49703673			23	5.2	25.1	3	4.8	8.4	18	4.9	20.6	
CVS	115247	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.40883479	-75.49314366			9	6.4	19.3	3	5.7	9.8	6	6.0	14.7	
CVS	115248	Saltwater	Herbaceous	Coastal Plain	**River**	2003	35.40872465	-75.49361658			2	8.0	11.3	1	7.0	7.0	2	8.0	11.3	
CVS	115249	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.96475784	-75.62992299			21	4.3	19.5	4	5.0	10.0	17	4.4	17.9	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	115251	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.5347263	-75.47588159			8	7.1	20.2	1	7.0	7.0	4	7.0	14.0	
CVS	115252	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	35.5347263	-75.47588159			11	6.4	21.1	3	6.0	10.4	7	5.9	15.5	
CVS	115255	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.99255667	-75.66424819			15	4.5	17.3	4	4.8	9.5	14	4.4	16.6	
CVS	115256	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.99324172	-75.66427613			11	5.6	18.7	3	6.0	10.4	9	5.4	16.3	
CVS	115257	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.99534371	-75.66403861			7	5.0	13.2	2	4.0	5.7	7	5.0	13.2	
CVS	115260	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.696417	-75.49720524			5	7.2	16.1	2	7.5	10.6				all graminoids
CVS	115262	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.69546547	-75.49618242			8	4.9	13.8	3	5.7	9.8	6	4.2	10.2	
CVS	115263	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.69479502	-75.49696301			7	7.3	19.3	5	7.4	16.5	4	7.3	14.5	
CVS	115264	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.75545143	-75.51339191			23	4.8	22.9	4	4.5	9.0	13	4.5	16.4	
CVS	115266	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.86837035	-75.57987572			6	5.3	13.1	1	7.0	7.0	2	2.0	2.8	
CVS	115267	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.8684393	-75.58052978			6	5.3	13.1	2	3.5	4.9	2	3.5	4.9	
CVS	115268	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.85779376	-75.5763318			16	4.9	19.5	3	3.3	5.8	12	4.2	14.4	
CVS	115269	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.93366488	-75.82614362			19	5.5	24.1	4	5.5	11.0	15	5.3	20.4	
CVS	115270	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.93305825	-75.82651423			36	5.3	31.6	6	6.0	14.7	30	5.2	28.4	
CVS	115271	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.92634747	-75.85385787			28	5.3	28.2	3	7.3	12.7	28	5.3	28.2	
CVS	115275	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.79927656	-75.88259739			23	6.3	30.0	5	7.0	15.7	23	6.3	30.0	
CVS	115280	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.89048765	-75.91998593			45	5.3	35.4	5	4.2	9.4	39	5.2	32.7	
CVS	115281	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.89067477	-75.91910169			27	5.1	26.3	3	5.3	9.2	26	5.0	25.6	
CVS	115283	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	36.459906	-75.85172907			27	4.5	23.5	3	4.7	8.1	19	4.0	17.4	
CVS	115284	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.62897973	-75.79659686			14	6.6	24.6	4	6.8	13.5	12	6.8	23.7	
CVS	115285	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.62822298	-75.79378423			10	6.2	19.6	4	6.0	12.0	10	6.2	19.6	
CVS	115286	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.81455032	-75.7883324			8	6.5	18.4	2	6.0	8.5	8	6.5	18.4	
CVS	115287	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.81927348	-75.78440494			13	6.1	21.9	4	6.3	12.5	13	6.1	21.9	
CVS	115290	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.85544797	-75.75747203			4	3.5	7.0	1	7.0	7.0	2	0.0	0.0	
CVS	115291	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.87467677	-75.76908773			6	5.3	13.1	1	7.0	7.0	3	3.3	5.8	
CVS	115292	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.8748279	-75.77221319			11	6.0	19.9	1	7.0	7.0	7	6.1	16.3	
CVS	115293	Brackish	Shrub	Coastal Plain	**Wetland**	2003	35.87812294	-75.6553243			12	5.3	18.2	3	4.3	7.5	9	4.6	13.7	
CVS	115294	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.87791004	-75.65469108			7	5.3	14.0	3	4.7	8.1	4	3.8	7.5	
CVS	115295	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.87784753	-75.65457978			4	5.0	10.0	2	5.0	7.1	2	3.0	4.2	
CVS	115296	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.79614004	-75.88489777			29	6.5	35.1	4	7.0	14.0	27	6.5	33.7	
CVS	115297	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.94572707	-75.82887499			15	5.7	22.2	3	6.3	11.0	15	5.7	22.2	
CVS	115298	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.81073018	-75.54957964			23	4.5	21.5	4	4.8	9.5	16	4.3	17.0	
CVS	115300	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.85521378	-75.75743658			5	7.2	16.1	2	7.0	9.9	2	7.5	10.6	
CVS	115301	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.87490272	-75.76900129			7	5.6	14.7	1	8.0	8.0	5	5.0	11.2	
CVS	115302	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.87493329	-75.77264626			10	5.3	16.8	2	3.0	4.2	7	4.6	12.1	
CVS	115307	Freshwater	Forested	Coastal Plain	**Wetland**	2003	35.81496768	-75.78929959			9	6.2	18.7	4	6.8	13.5	9	6.2	18.7	
CVS	115308	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.82171265	-75.78366509			13	6.0	21.6	4	5.8	11.5	13	6.0	21.6	
CVS	115310	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	35.95424863	-75.63272247			39	4.9	30.6	3	4.3	7.5	27	5.0	25.8	
CVS	115311	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2003	35.69527202	-75.497176			5	7.4	16.5	1	7.0	7.0	2	7.5	10.6	
CVS	115312	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.69571638	-75.49655979			2	7.0	9.9	2	7.0	9.9				all graminoids
CVS	115313	Brackish	Herbaceous	Coastal Plain	**Wetland**	2003	35.69461346	-75.49726031			4	7.5	15.0	1	7.0	7.0	2	8.0	11.3	
CVS	115315	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.42279203	-75.48898817			25	4.3	21.5	7	3.9	10.2	21	4.3	19.5	
CVS	115317	Brackish	Forested	Coastal Plain	**Wetland**	2003	35.93310717	-75.82596044			30	5.2	28.2	3	5.3	9.2	26	5.1	26.0	
CVS	115318	Saltwater	Shrub	Coastal Plain	**Wetland**	2003	36.39721648	-75.83760544			31	4.5	25.3	4	4.5	9.0	23	4.1	19.6	
CVS	115319	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	36.39721648	-75.83760544			22	5.5	25.6	7	5.9	15.5	15	5.1	19.9	
CVS	115320	Freshwater	Shrub	Coastal Plain	**Wetland**	2003	35.94546632	-75.83006975			16	5.9	23.8	3	6.3	11.0	15	6.0	23.2	
CVS	115321	Freshwater	Forested	Piedmont	**Wetland**	2003	36.1527882	-78.76828766			44	4.5	29.7	22	4.5	21.1	40	4.4	27.5	
CVS	115330	Freshwater	Forested	Piedmont	**Wetland**	2003	35.70290201	-80.62289914			65	4.1	33.2	7	2.9	7.6	60	4.1	31.7	
CVS	115346	Freshwater	Forested	Piedmont	**Wetland**	2003	35.70301688	-80.62823667			57	4.8	36.3	9	4.7	14.0	55	4.8	35.3	
CVS	115360	Freshwater	Forested	Piedmont	**Wetland**	2003	36.11574689	-78.78998169			59	4.3	33.3	10	4.4	13.9	55	4.4	32.8	
CVS	115361	Freshwater	Forested	Piedmont	**Wetland**	2003	36.1168804	-78.78839463			43	4.5	29.2	23	3.8	18.2	41	4.5	29.1	
CVS	115362	Freshwater	Forested	Piedmont	**Wetland**	2003	36.15347638	-78.76893946			60	4.5	34.7	12	3.6	12.4	57	4.5	34.3	
CVS	115370	Freshwater	Forested	Piedmont	**Upland**	2003	35.70196247	-80.62840738			56	4.5	33.9	9	3.9	11.7	53	4.6	33.8	
CVS	115375	Freshwater	Forested	Piedmont	**Wetland**	2003	36.18149588	-78.81812178			70	4.7	39.6	3	4.8	8.4	62	4.9	38.2	
CVS	115378	Freshwater	Forested	Piedmont	**Upland**	2003	36.1146301	-78.78612489			61	4.6	35.7	28	4.4	23.3	56	4.5	33.9	
CVS	115387	Freshwater	Forested	Piedmont	**Wetland**	2003	35.14710872	-80.94462034			45	4.1	27.4	5	2.9	6.5	39	4.1	25.8	
CVS	115388	Freshwater	Forested	Piedmont	**Wetland**	2003	35.14572907	-80.94362228			16	4.5	17.9	4	4.5	9.0	15	4.5	17.4	
CVS	115415	Freshwater	Forested	Piedmont	**Wetland**	2003	35.21016124	-81.30135167			28	4.9	26.1	3	4.7	8.1	27	4.9	25.6	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	115417	Freshwater	Forested	Piedmont	**Maybe wetland**	2003	35.30216699	-81.09257004			62	4.9	38.9	29	4.9	26.3	58	4.9	37.6	
CVS	115422	Freshwater	Forested	Coastal Plain	**Wetland**	2004	36.09623206	-77.14767648			38	5.2	32.1	6	5.5	13.5	34	5.1	29.8	
CVS	115485	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04358449	-77.91319123			13	6.5	23.3	3	7.3	12.7	6	5.8	14.3	
CVS	115486	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04287295	-77.90212147			18	5.9	25.0	2	4.5	6.4	12	5.7	19.6	
CVS	115487	Freshwater	Shrub	Coastal Plain	**Wetland**	2005	34.09120666	-78.29026826			13	6.7	24.1	4	6.5	13.0	13	6.7	24.1	
CVS	115488	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.05232708	-78.28506253			21	6.9	31.4	4	7.5	15.0	18	6.8	28.8	
CVS	115489	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.23829655	-77.98760338			9	5.3	16.0	2	4.5	6.4	5	4.8	10.7	
CVS	115490	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.23809496	-77.98736833			5	5.4	12.1	1	3.0	3.0	3	5.0	8.7	
CVS	115491	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.23793655	-77.98721078			8	5.0	14.1	3	5.3	9.2	5	4.4	9.8	
CVS	115492	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.00436898	-77.9757541			27	5.6	28.9	4	5.0	10.0	19	5.3	22.9	
CVS	115493	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.99236698	-77.98854907			10	5.2	16.4	3	6.0	10.4	9	5.1	15.3	
CVS	115494	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98742668	-78.00957877			18	5.8	24.7	5	5.0	11.2	13	5.5	20.0	
CVS	115495	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98732708	-78.00956062			21	5.8	26.5	5	4.8	10.7	17	6.0	24.6	
CVS	115496	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98762272	-78.00948533			13	5.8	20.9	7	5.9	15.5	11	6.0	19.7	
CVS	115497	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.9867099	-78.00938747			3	5.0	8.7	2	5.0	7.1	2	5.0	7.1	
CVS	115498	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.24833219	-78.53463871			40	5.4	34.1	5	5.4	12.1	33	5.3	30.6	
CVS	115501	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.87003058	-77.9595387			15	6.5	25.0	3	6.3	11.0	11	6.2	20.5	
CVS	115502	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.1308997	-78.25458212			12	6.9	24.0	6	7.0	17.1	12	6.9	24.0	
CVS	115503	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04368405	-77.91279396			20	6.5	29.2	3	6.5	11.3	11	6.5	21.4	
CVS	115505	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.15549228	-78.5293598			25	6.0	29.8	13	6.0	21.6	25	6.0	29.8	
CVS	115507	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.15747316	-78.63817596			14	5.9	21.9	4	6.0	12.0	14	5.9	21.9	
CVS	115508	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.02281205	-78.61068672			31	5.7	31.8	5	4.8	10.7	30	5.6	30.9	
CVS	115509	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.40611798	-78.30069345			21	5.1	23.6	3	5.7	9.8	21	5.1	23.6	
CVS	115510	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.25802011	-78.52328095			41	4.3	27.5	4	5.0	10.0	36	4.3	25.5	
CVS	115511	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.02333716	-78.61311914			35	5.6	33.2	15	5.6	21.6	33	5.6	32.1	
CVS	115512	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.13049602	-78.25467107			10	7.0	22.1	3	6.0	10.4	10	7.0	22.1	
CVS	115513	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04248848	-77.91037073			14	4.9	18.4	4	4.5	9.0	10	4.3	13.6	
CVS	115514	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04263208	-77.91039729			3	6.0	10.4	1	5.0	5.0	1	5.0	5.0	
CVS	115515	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.04142798	-77.91403786			18	6.1	25.9	2	8.0	11.3	14	5.9	21.9	
CVS	115516	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.01006652	-78.61734492			25	5.7	28.5	6	6.3	15.3	24	5.6	27.7	
CVS	115517	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.01298612	-78.61772887			27	5.9	30.8	9	6.0	18.0	25	5.9	29.4	
CVS	115518	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.13195147	-78.24544776			14	6.6	24.9	5	7.0	15.7	14	6.6	24.9	
CVS	115519	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.36796054	-78.45859867			40	5.3	33.7	23	5.4	25.9	34	5.1	29.8	
CVS	115520	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.88266413	-77.95959077			3	7.3	12.7	1	7.0	7.0	2	7.5	10.6	
CVS	115521	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	33.88252321	-77.9590779			6	7.5	18.4	2	8.0	11.3	4	7.5	15.0	
CVS	115522	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.88230148	-77.95855144			8	7.4	20.9	1	8.0	8.0	5	7.4	16.5	
CVS	115524	Freshwater	Shrub	Coastal Plain	**Wetland**	2005	33.87948084	-77.95776227			12	4.4	15.3	3	3.0	5.2	9	4.1	12.3	
CVS	115528	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.93305356	-77.94239787			8	6.3	17.7	3	6.0	10.4	5	6.6	14.8	
CVS	115529	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.93664301	-77.94044492			7	7.6	20.0	2	8.0	11.3	5	7.6	17.0	
CVS	115531	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.00999109	-78.61738856			17	6.0	24.6	7	6.1	16.1	17	6.0	24.6	
CVS	115532	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.01463101	-78.61768125			25	5.8	28.8	10	6.0	19.0	23	5.7	27.3	
CVS	115536	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.00320121	-77.97624935			11	6.0	19.9	1	8.0	8.0	6	5.5	13.5	
CVS	115537	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.00297106	-77.97644696			6	5.3	13.1	2	6.5	9.2	5	5.4	12.1	
CVS	115538	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.00293043	-77.97514671			5	5.4	12.1	5	5.4	12.1	4	5.5	11.0	
CVS	115539	Freshwater	Forested	Coastal Plain	**Wetland**	2005	33.99264923	-77.98871624			16	4.8	19.3	4	5.3	10.5	16	4.8	19.3	
CVS	115540	Brackish	Herbaceous	Coastal Plain	**Wetland**	2005	33.88216074	-77.95840607			12	7.3	25.1	2	6.5	9.2	7	7.3	19.3	
CVS	115542	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.3	-78.6			30	5.3	29.2	11	5.7	19.0	27	5.3	27.3	
CVS	115543	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.2	-78.6			42	5.3	34.1	6	6.3	15.5	39	5.2	32.5	
CVS	115548	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.10218323	-78.30636451			22	6.5	30.3	4	6.8	13.5	22	6.5	30.3	
CVS	115552	Freshwater	Shrub	Coastal Plain	**Wetland**	2005	34.09208001	-78.29255455			10	6.7	21.2	2	6.0	8.5	10	6.7	21.2	
CVS	115553	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.08263221	-78.01595356			23	6.3	30.0	6	6.7	16.3	17	6.3	26.0	
CVS	115554	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.07211052	-78.02702522			15	6.0	23.1	4	6.5	13.0	9	6.6	19.7	
CVS	115555	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.08199116	-78.01591106			16	6.0	24.0	14	6.1	23.0	11	6.4	21.1	
CVS	115556	Freshwater	Shrub	Coastal Plain	**Wetland**	2005	34.08901514	-78.29134105			17	6.5	26.9	4	6.3	12.5	17	6.5	26.9	
CVS	115557	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.35121897	-78.48648653			57	5.3	39.8	7	5.4	14.4	44	5.1	34.0	
CVS	115561	Freshwater	Shrub	Coastal Plain	**Wetland**	2005	34.09083731	-78.29028004			25	6.6	32.8	4	6.0	12.0	25	6.6	32.8	
CVS	115564	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98602177	-78.00889218			15	5.8	22.5	3	5.0	8.7	11	5.5	18.4	
CVS	115565	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.08221367	-78.01596566			19	6.3	27.5	3	6.0	10.4	14	6.4	24.1	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	115566	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.0829387	-78.01595363			2	6.0	8.5	2	6.0	8.5	2	6.0	8.5	
CVS	115567	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.15349152	-78.5689894			56	5.2	38.7	1	7.0	7.0	48	5.0	34.9	
CVS	115568	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98618363	-78.00887568			30	5.6	30.9	9	5.6	16.7	24	5.7	27.8	
CVS	115569	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.98799782	-78.01490459			11	5.9	19.6	4	6.0	12.0	9	6.1	18.3	
CVS	115570	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2005	33.9884998	-78.013675			20	5.8	25.7	4	6.8	13.5	17	5.8	23.3	
CVS	115932	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.9325307	-76.95682472			33	5.3	30.4	3	6.7	11.5	29	5.2	28.0	
CVS	115935	Brackish	Forested	Coastal Plain	**Wetland**	2002	34.9812587	-76.94515655			8	5.6	15.9	3	5.7	9.8	7	5.7	15.1	
CVS	115937	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72303838	-76.97191146			18	5.8	24.5	4	6.5	13.0	10	5.8	18.3	
CVS	115938	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72243065	-76.96990964			18	4.8	20.5	3	6.0	10.4	13	4.8	17.5	
CVS	115939	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.7214	-76.9695			2	5.5	7.8	1	5.0	5.0	2	5.5	7.8	
CVS	115940	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.72182787	-76.96982982			10	5.9	18.7	2	8.0	11.3	6	5.3	13.1	
CVS	115941	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.7256	-76.9622			14	5.4	20.0	3	5.3	9.2	13	5.5	20.0	
CVS	115942	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.77411727	-76.92836028			16	5.9	23.8	5	6.8	15.2	11	6.1	20.2	
CVS	115943	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.94116882	-76.97624483			25	5.4	26.8	8	5.8	16.3	22	5.4	25.2	
CVS	115944	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.77411727	-76.92836028			8	6.0	17.0	2	7.0	9.9	6	5.8	14.3	
CVS	115947	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.82751133	-77.17665433			29	5.3	28.7	3	6.0	10.4	28	5.3	28.3	
CVS	115949	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.86837943	-76.79900568			4	6.8	13.5	1	7.0	7.0	2	6.0	8.5	
CVS	115950	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.80571214	-77.15690926			35	5.2	31.0	7	5.6	14.7	34	5.2	30.1	
CVS	115952	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.85964147	-77.05177478			8	5.0	14.1	4	6.0	12.0	6	5.0	12.2	
CVS	115953	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.85930061	-77.05273975			11	5.9	19.6	5	5.4	12.1	11	5.9	19.6	
CVS	115954	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.94721828	-77.1189931			15	6.8	26.5	4	6.5	13.0	14	7.0	26.2	
CVS	115955	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.8522623	-77.06693556			15	6.3	24.3	8	6.0	17.0	15	6.3	24.3	
CVS	115956	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.82297769	-76.88852157			12	6.5	22.5	5	5.8	13.0	12	6.5	22.5	
CVS	115957	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.93720592	-77.02363134			14	6.7	25.1	4	6.3	12.5	13	7.0	25.2	
CVS	115958	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.93756196	-77.02228254			23	6.9	33.2	3	7.0	12.1	19	6.7	29.4	
CVS	115959	Freshwater	Shrub	Coastal Plain	**Wetland**	2002	34.9440512	-77.12069622			17	6.2	25.7	3	5.3	9.2	14	6.6	24.6	
CVS	115961	Brackish	Shrub	Coastal Plain	**Wetland**	2002	34.69412415	-77.08823161			13	5.2	18.6	3	6.7	11.5	11	5.0	16.6	
CVS	115962	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2002	34.69474123	-77.0874721			6	7.2	17.6	1	7.0	7.0	3	7.0	12.1	
CVS	115963	Brackish	Forested	Coastal Plain	**Wetland**	2002	34.693969	-77.085739			29	5.1	27.4	4	4.5	9.0	26	5.0	25.4	
CVS	115964	Freshwater	Forested	Coastal Plain	**Wetland**	2002	34.9998707	-76.97617658			39	4.9	30.4	8	3.8	10.8	35	5.1	29.9	
CVS	116397	Freshwater	Forested	Mountains	**Wetland**	2006	35.2	-82.6			36	5.6	33.8	2	6.0	8.5	29	5.5	29.8	
CVS	116399	Freshwater	Forested	Mountains	**Wetland**	2006	35.2	-82.6			49	5.9	41.1	32	6.3	35.7	39	5.9	36.6	
CVS	116401	Freshwater	Herbaceous	Mountains	**Wetland**	2006	35	-83.1			39	5.3	33.0	5	5.0	11.2	25	5.4	26.8	
CVS	116402	Freshwater	Shrub	Mountains	**Wetland**	2006	35.2	-83			23	6.9	33.3	4	7.0	14.0	17	7.3	30.1	
CVS	116403	Freshwater	Shrub	Mountains	**Wetland**	2006	35.2	-83			27	6.3	32.7	3	7.7	13.3	21	6.4	29.2	
CVS	116404	Freshwater	Shrub	Mountains	**Wetland**	2006	35.1	-83.5			27	6.0	31.4	8	6.0	17.0	24	6.0	29.2	
CVS	116406	Freshwater	Herbaceous	Mountains	**Wetland**	2006	35	-83.5			20	5.7	25.3	4	5.0	10.0	13	5.2	18.9	
CVS	116407	Freshwater	Herbaceous	Mountains	**Wetland**	2006	35	-83.5			15	5.0	19.2	2	5.0	7.1	10	5.2	16.4	
CVS	116408	Freshwater	Shrub	Mountains	**Wetland**	2006	35	-83.5			29	5.9	31.6	1	4.0	4.0	23	5.9	28.4	
CVS	116409	Freshwater	Shrub	Mountains	**Wetland**	2006	35.1	-83.7			20	5.6	25.0	4	6.3	12.5	18	5.5	23.3	
CVS	116410	Freshwater	Shrub	Mountains	**Wetland**	2006	35.1	-83.7			23	5.7	27.1	4	6.0	12.0	17	5.6	23.0	
CVS	116411	Freshwater	Shrub	Mountains	**Wetland**	2006	35.1	-83.5			31	6.1	33.9	5	6.2	13.9	20	6.1	27.3	
CVS	116412	Freshwater	Forested	Mountains	**Wetland**	2006	35.1	-83.5			35	6.3	37.2	7	6.6	17.4	26	6.2	31.4	
CVS	116413	Freshwater	Shrub	Mountains	**Wetland**	2006	35.1	-83.5			27	6.2	32.3	4	7.0	14.0	25	6.3	31.6	
CVS	116414	Freshwater	Forested	Mountains	**Wetland**	2006	35.4	-82.8			36	6.1	36.3	4	6.5	13.0	30	6.2	33.8	
CVS	116415	Freshwater	Shrub	Mountains	**Wetland**	2006	35.4	-82.8			25	6.3	31.6	3	6.3	11.0	21	6.0	27.3	
CVS	116416	Freshwater	Herbaceous	Mountains	**Wetland**	2006	35.4	-82.8			31	6.3	34.8	3	6.7	11.5	26	6.2	31.8	
CVS	116417	Freshwater	Shrub	Mountains	**Wetland**	2006	35.3	-82.6			41	5.8	36.9	4	6.3	12.5	38	5.8	36.0	
CVS	116419	Freshwater	Forested	Mountains	**Wetland**	2006	36.1	-81.9			36	6.6	39.6	4	8.0	16.0	29	6.5	35.0	
CVS	116420	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36	-81.9			38	6.6	40.5	7	7.0	18.5	33	6.2	35.8	
CVS	116422	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			37	6.8	41.1	4	7.5	15.0	26	6.9	35.1	
CVS	116423	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			34	5.8	34.0	3	4.7	8.1	18	5.9	25.1	
CVS	116424	Freshwater	Shrub	Mountains	**Wetland**	2006	36.3	-81.7			35	6.7	39.9	9	6.6	19.7	29	6.9	37.3	
CVS	116425	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.6			24	6.5	31.6	3	7.3	12.7	17	6.8	28.0	
CVS	116426	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			40	5.9	37.2	6	7.0	17.1	31	6.1	33.9	
CVS	116428	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.4	-81.7			20	7.4	33.0	4	7.0	14.0	13	7.5	26.9	
CVS	116429	Freshwater	Shrub	Mountains	**Wetland**	2006	36.4	-81.7			26	7.0	35.7	4	7.4	14.8	19	6.9	30.2	
CVS	116430	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			49	5.5	38.6	3	5.0	8.7	32	5.5	30.8	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116432	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			28	7.3	38.5	7	7.4	19.7	19	7.2	31.4	
CVS	116433	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			39	7.2	45.1	9	7.3	22.0	34	7.1	41.4	
CVS	116434	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			27	6.0	31.2	3	7.0	12.1	19	5.9	25.9	
CVS	116435	Freshwater	Shrub	Mountains	**Wetland**	2006	36.3	-81.7			26	6.2	31.5	5	6.6	14.8	20	6.2	27.8	
CVS	116436	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.4	-81.6			20	7.3	32.4	6	8.0	19.6	12	7.4	25.5	
CVS	116437	Freshwater	Shrub	Mountains	**Wetland**	2006	36	-81.9			43	5.9	38.7	6	6.0	14.7	33	6.1	35.2	
CVS	116438	Freshwater	Shrub	Mountains	**Wetland**	2006	36	-81.9			28	6.4	33.6	8	6.1	17.3	20	6.6	29.3	
CVS	116439	Freshwater	Shrub	Mountains	**Wetland**	2006	36.1	-81.9			28	6.3	33.4	7	7.6	20.0	21	6.3	29.0	
CVS	116440	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.3	-81.7			46	6.3	42.8	6	6.8	16.7	37	6.3	38.4	
CVS	116441	Freshwater	Forested	Mountains	**Wetland**	2006	36.4	-81.3			40	6.5	41.3	3	5.7	9.8	36	6.5	39.3	
CVS	116442	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.4	-81.6			18	7.7	32.8	4	7.0	14.0	13	7.4	26.6	
CVS	116443	Freshwater	Herbaceous	Mountains	**Wetland**	2006	36.4	-81.6			19	7.7	33.5	2	7.0	9.9	13	7.3	26.3	
CVS	116444	Freshwater	Shrub	Mountains	**Wetland**	2006	36.4	-81.6			36	7.1	42.6	2	7.5	10.6	27	7.1	36.9	
CVS	116445	Freshwater	Shrub	Mountains	**Wetland**	2006	36.3	-81.5			40	5.4	33.9	3	4.3	7.5	22	5.7	26.8	
CVS	116446	Freshwater	Shrub	Mountains	**Wetland**	2006	36.3	-81.4			19	5.6	24.3	3	5.7	9.8	12	5.8	19.9	
CVS	116447	Freshwater	Shrub	Mountains	**Wetland**	2006	36	-82			31	6.0	33.7	4	7.0	14.0	22	6.0	28.2	
CVS	116448	Freshwater	Shrub	Mountains	**Wetland**	2006	36.2	-81.8			25	6.2	31.1	6	6.8	16.7	22	6.2	28.9	
CVS	116449	Freshwater	Shrub	Mountains	**Wetland**	2006	36.2	-81.9			28	5.3	28.3	3	3.3	5.8	18	5.4	22.7	
CVS	116454	Freshwater	Shrub	Mountains	**Wetland**	2006	36.5	-81.1			52	5.3	38.1	3	6.7	11.5	35	5.6	33.4	
CVS	116455	Freshwater	Shrub	Mountains	**Wetland**	2006	36.5	-81.1			49	6.8	47.6	7	7.4	19.7	35	6.9	41.0	
CVS	116456	Freshwater	Shrub	Mountains	**Wetland**	2006	36.5	-81.1			41	6.6	42.2	8	6.5	18.4	28	6.9	36.3	
CVS	116457	Freshwater	Shrub	Mountains	**Wetland**	2006	36.4	-81			38	6.8	41.8	8	6.8	19.1	27	6.9	35.6	
CVS	116458	Freshwater	Forested	Mountains	**Wetland**	2006	36.4	-81			43	6.0	39.4	6	7.2	17.6	37	5.9	35.9	
CVS	116459	Freshwater	Shrub	Mountains	**Wetland**	2006	36.4	-81			41	6.1	39.3	5	5.6	12.5	29	6.1	32.7	
CVS	116460	Freshwater	Forested	Mountains	**Wetland**	2006	36.4	-81			32	6.4	36.0	5	5.6	12.5	28	6.4	34.1	
CVS	116461	Freshwater	Forested	Mountains	**Wetland**	2007	36	-81.9			36	6.3	37.9	5	6.4	14.3	33	6.3	36.1	
CVS	116462	Freshwater	Forested	Mountains	**Wetland**	2007	36	-81.9			34	6.4	37.1	8	6.5	18.4	28	6.6	34.7	
CVS	116465	Freshwater	Shrub	Mountains	**Wetland**	2007	36.3	-81.7			42	6.4	41.5	4	7.8	15.5	34	6.4	37.4	
CVS	116466	Freshwater	Shrub	Mountains	**Wetland**	2007	36.3	-81.7			42	6.3	40.7	6	6.5	15.9	31	6.3	34.9	
CVS	116468	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.2	-81.9			28	6.2	33.0	3	8.0	13.9	22	6.4	30.2	
CVS	116469	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.2	-81.9			27	6.1	31.5	3	4.7	8.1	15	5.8	22.6	
CVS	116470	Freshwater	Forested	Mountains	**Wetland**	2007	36	-81.9			26	6.0	30.7	2	5.5	7.8	24	5.8	28.3	
CVS	116471	Freshwater	Forested	Mountains	**Wetland**	2007	36	-81.9			19	6.8	29.6	6	6.5	15.9	18	6.6	28.0	
CVS	116474	Freshwater	Shrub	Mountains	**Wetland**	2007	35.8	-82.2			31	6.8	37.7	15	7.3	28.1	22	6.4	29.8	
CVS	116475	Freshwater	Shrub	Mountains	**Wetland**	2007	35.8	-82.2			38	6.9	42.5	7	7.1	18.9	29	6.7	36.0	
CVS	116476	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.1	-81.9			32	6.3	35.4	7	6.1	16.3	23	6.5	31.4	
CVS	116477	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.1	-81.9			37	6.2	37.6	4	6.0	12.0	28	6.3	33.5	
CVS	116478	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.2	-81.9			27	6.3	32.9	5	7.4	16.5	23	6.4	30.7	
CVS	116479	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.2	-81.9			31	6.4	35.7	13	7.2	25.8	24	6.6	32.6	
CVS	116480	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36	-82			24	5.9	28.8	2	6.0	8.5	14	6.1	22.7	
CVS	116481	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.3	-81.7			39	6.4	40.3	3	8.0	13.9	28	6.7	35.5	
CVS	116482	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.3	-81.7			37	6.4	38.9	5	8.0	17.9	27	6.4	33.5	
CVS	116484	Freshwater	Shrub	Mountains	**Wetland**	2007	35.8	-82.2			52	6.8	49.3	4	5.3	10.5	42	6.7	43.4	
CVS	116485	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.3	-81.4			37	5.9	36.2	3	4.3	7.5	24	6.3	30.8	
CVS	116486	Freshwater	Herbaceous	Mountains	**Wetland**	2007	36.3	-81.4			56	6.2	46.6	6	5.8	14.3	36	6.6	39.4	
CVS	116488	Freshwater	Forested	Mountains	**Wetland**	2007	36.3	-81.7			56	6.6	49.6	12	7.3	25.1	42	6.6	42.9	
CVS	116489	Freshwater	Forested	Mountains	**Wetland**	2007	36.3	-81.7			38	6.9	42.4	7	7.6	20.0	32	6.9	39.0	
CVS	116490	Freshwater	Forested	Mountains	**Wetland**	2007	36	-81.9			47	6.6	45.0	6	6.7	16.3	44	6.6	43.5	
CVS	116492	Freshwater	Forested	Piedmont	**Wetland**	2006	35.98041729	-79.00367361			60	4.5	34.6	5	3.7	8.3	53	4.4	31.9	
CVS	116494	Freshwater	Forested	Piedmont	**Wetland**	2006	35.99412053	-79.03377711			48	4.6	32.0	19	4.3	18.9	41	4.6	29.4	
CVS	116495	Freshwater	Forested	Piedmont	**River**	2006	35.89394121	-79.02208879			63	4.0	31.6	6	4.6	11.2	54	4.0	29.5	
CVS	116497	Freshwater	Forested	Piedmont	**Wetland**	2006	35.95725035	-78.97996479			59	4.5	34.6	5	4.6	10.3	48	4.5	30.9	
CVS	116498	Freshwater	Forested	Piedmont	**Wetland**	2006	35.88470056	-79.01384464			47	4.5	31.0	29	4.4	23.7	39	4.5	28.1	
CVS	116499	Freshwater	Forested	Piedmont	**Wetland**	2006	35.61225054	-79.15367558			65	4.8	38.5	8	3.6	10.1	53	4.7	33.9	
CVS	116500	Freshwater	Forested	Piedmont	**Wetland**	2006	35.61248722	-79.1538247			54	4.5	33.0	5	3.8	8.5	38	4.4	27.3	
CVS	116502	Freshwater	Forested	Piedmont	**Wetland**	2006	35.62357877	-79.11157987			52	4.1	29.8	10	4.0	12.6	44	4.0	26.2	
CVS	116503	Freshwater	Forested	Piedmont	**Wetland**	2006	35.62328454	-79.10891484			43	4.3	28.1	5	3.8	8.5	35	4.1	24.2	
CVS	116504	Freshwater	Forested	Piedmont	**River**	2006	35.77835669	-79.14883496			71	4.6	39.1	17	3.9	16.1	59	4.5	34.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116505	Freshwater	Forested	Piedmont	**River**	2006	35.78195551	-79.15541152			79	4.4	39.4	7	3.2	8.5	62	4.2	33.2	
CVS	116506	Freshwater	Forested	Piedmont	**River**	2006	35.74947175	-79.12199042			60	4.2	32.2	4	3.3	6.5	51	4.0	28.5	
CVS	116507	Freshwater	Forested	Piedmont	**River**	2006	35.74029935	-79.11652246			61	4.8	37.7	6	4.3	10.4	50	4.8	34.0	
CVS	116508	Freshwater	Forested	Piedmont	**River**	2006	35.74138382	-79.11727093			55	4.6	33.8	4	2.8	5.5	44	4.4	29.1	
CVS	116509	Freshwater	Forested	Piedmont	**Wetland**	2006	35.74291695	-79.11846222			51	4.5	31.8	8	4.6	12.9	38	4.4	27.4	
CVS	116510	Freshwater	Forested	Piedmont	**Wetland**	2006	35.53608854	-79.31992687			81	5.0	45.4	45	4.9	32.8	69	4.9	40.9	
CVS	116511	Freshwater	Forested	Piedmont	**Wetland**	2006	35.68199172	-79.32639762			67	4.5	36.7	39	4.4	27.2	58	4.4	33.6	
CVS	116512	Freshwater	Forested	Piedmont	**Wetland**	2006	35.68154533	-79.33125772			57	4.5	34.3	6	4.2	10.2	52	4.5	32.3	
CVS	116513	Freshwater	Forested	Piedmont	**Wetland**	2006	35.68139224	-79.33062003			53	3.9	28.6	6	4.0	9.8	44	3.8	25.5	
CVS	116514	Freshwater	Forested	Piedmont	**Wetland**	2006	35.72668137	-79.09954147			78	4.6	40.7	48	4.4	30.7	61	4.5	35.0	
CVS	116515	Freshwater	Forested	Piedmont	**Wetland**	2006	35.72940678	-79.10258338			72	4.8	40.5	8	5.2	14.7	56	4.6	34.1	
CVS	116516	Freshwater	Forested	Piedmont	**Wetland**	2006	35.73004472	-79.10302154			60	4.6	36.0	8	4.1	11.7	52	4.6	33.2	
CVS	116517	Freshwater	Forested	Piedmont	**Wetland**	2006	35.76521145	-78.91833823			77	5.0	43.8	46	4.7	31.8	64	4.9	39.4	
CVS	116518	Freshwater	Forested	Piedmont	**Wetland**	2006	35.76353001	-78.91650184			67	4.8	39.6	6	4.3	10.6	53	4.8	34.7	
CVS	116519	Freshwater	Forested	Piedmont	**Wetland**	2006	35.76403248	-78.91532741			61	4.7	36.9	12	5.2	17.9	46	4.7	31.7	
CVS	116520	Freshwater	Forested	Piedmont	**Wetland**	2006	36.25502458	-79.7573616			68	4.5	37.0	6	4.2	10.2	60	4.4	34.3	
CVS	116521	Freshwater	Forested	Piedmont	**Wetland**	2006	36.24837502	-79.77870218			60	4.2	32.7	10	3.9	12.3	45	4.2	27.9	
CVS	116522	Freshwater	Forested	Piedmont	**Wetland**	2006	35.6240494	-79.18798588			75	4.5	38.9	16	3.9	15.8	64	4.4	35.0	
CVS	116523	Freshwater	Forested	Piedmont	**Wetland**	2006	35.46746436	-78.92070903			60	4.8	37.4	4	5.8	11.5	52	4.8	34.5	
CVS	116524	Freshwater	Forested	Piedmont	**Wetland**	2006	35.47345876	-78.92854428			62	4.9	38.4	9	4.4	13.2	50	4.8	33.8	
CVS	116527	Freshwater	Forested	Piedmont	**Wetland**	2006	35.69965887	-79.37421576			80	4.6	40.9	8	4.5	12.7	66	4.5	36.3	
CVS	116528	Freshwater	Forested	Piedmont	**Wetland**	2006	36.0554672	-79.56449706			80	4.5	40.5	12	5.0	17.3	66	4.4	35.5	
CVS	116529	Freshwater	Forested	Piedmont	**Wetland**	2006	35.99123211	-79.44007849			73	4.5	38.6	3	3.2	5.5	66	4.5	36.4	
CVS	116531	Freshwater	Forested	Piedmont	**Wetland**	2006	35.54327536	-78.98745788			65	4.6	37.1	11	3.7	12.4	56	4.5	34.0	
CVS	116535	Freshwater	Forested	Piedmont	**Wetland**	2006	35.88331485	-79.01508664			40	4.4	27.9	28	4.3	22.7	29	4.3	23.1	
CVS	116536	Freshwater	Forested	Piedmont	**Wetland**	2006	35.37756794	-79.44086325			63	4.9	38.7	49	4.6	32.4	50	4.7	33.4	
CVS	116537	Freshwater	Forested	Piedmont	**Wetland**	2006	35.37728966	-79.44095667			37	4.5	27.6	4	5.8	11.5	30	4.3	23.4	
CVS	116540	Freshwater	Forested	Piedmont	**Wetland**	2006	35.97390555	-79.3478372			90	4.5	42.6	66	4.5	36.9	69	4.4	36.5	
CVS	116541	Freshwater	Forested	Piedmont	**Wetland**	2006	35.88945562	-78.98705049			36	4.8	29.0	3	6.0	10.4	32	4.8	27.0	
CVS	116542	Freshwater	Forested	Piedmont	**Wetland**	2006	35.88655836	-78.98146331			52	4.7	34.1	34	4.6	27.0	39	4.6	28.7	
CVS	116543	Freshwater	Forested	Piedmont	**Wetland**	2006	35.46121632	-79.39551396			36	4.6	27.7	4	4.8	9.5	31	4.5	25.0	
CVS	116544	Freshwater	Forested	Piedmont	**Wetland**	2006	36.28522967	-79.82933743			52	4.4	31.9	4	3.3	6.5	44	4.4	28.9	
CVS	116546	Freshwater	Forested	Piedmont	**Wetland**	2006	35.71973964	-79.38857726			91	4.8	46.2	51	4.8	34.2	78	4.8	42.1	
CVS	116547	Freshwater	Herbaceous	Piedmont	**River**	2006	35.72010978	-79.38996274			17	3.9	16.2	4	3.8	7.5	15	4.0	15.5	
CVS	116548	Freshwater	Herbaceous	Piedmont	**Wetland**	2006	35.69894927	-79.3757443			8	4.1	11.7	2	5.5	7.8	8	4.1	11.7	
CVS	116549	Freshwater	Herbaceous	Piedmont	**Wetland**	2006	35.6986503	-79.37630297			22	3.4	16.0	7	4.7	12.5	18	3.7	15.6	
CVS	116550	Freshwater	Herbaceous	Piedmont	**Wetland**	2006	35.73046556	-79.10627306			24	3.5	17.4	4	5.0	10.0	20	3.6	15.9	
CVS	116551	Freshwater	Herbaceous	Piedmont	**Wetland**	2006	35.73014886	-79.10505335			10	4.5	14.2	6	4.8	11.8	9	4.4	13.3	
CVS	116552	Freshwater	Forested	Piedmont	**Wetland**	2006	35.88514022	-78.96314448			58	4.8	36.2	6	5.0	12.2	45	4.6	30.7	
CVS	116554	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.46620643	-78.17966767			40	5.4	34.3	5	5.6	12.5	35	5.5	32.3	
CVS	116555	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.72637139	-78.54311483			25	6.0	30.2	5	6.0	13.4	25	6.0	30.2	
CVS	116556	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.793524	-78.69753593			13	6.4	23.0	4	5.8	11.5	13	6.4	23.0	
CVS	116557	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	34.86763179	-78.69390695			21	7.0	31.9	4	7.3	14.5	21	7.0	31.9	
CVS	116559	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.60418423	-78.5191698			56	5.1	38.1	4	5.3	10.5	48	5.0	34.9	
CVS	116560	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.60295441	-78.51854133			47	5.0	34.4	4	5.3	10.5	38	5.1	31.2	
CVS	116561	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2006	34.56149211	-78.25218156			42	5.1	33.2	9	5.2	15.7	41	5.0	32.3	
CVS	116562	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.58884712	-78.446537			14	5.1	19.1	6	5.2	12.7	14	5.1	19.1	
CVS	116563	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.59339279	-78.44965728			16	7.1	28.3	3	6.7	11.5	16	7.1	28.3	
CVS	116564	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.4776319	-78.19905051			20	5.4	24.1	5	6.0	13.4	19	5.4	23.4	
CVS	116565	Freshwater	Forested	Coastal Plain	**River**	2006	35.1	-78.9			41	4.3	27.6	26	3.8	19.4	35	4.1	24.4	
CVS	116566	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.69873654	-78.63026232			13	5.6	20.2	4	5.8	11.5	13	5.6	20.2	
CVS	116567	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.68857823	-78.60683554			14	6.6	24.9	5	7.0	15.7	14	6.6	24.9	
CVS	116570	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.72684172	-78.54397462			16	5.6	22.5	4	6.0	12.0	16	5.6	22.5	
CVS	116571	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.76148286	-78.40688461			25	5.0	25.2	10	5.2	16.4	20	4.8	21.5	
CVS	116572	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	34.77295492	-78.55791489			16	6.4	25.8	4	6.3	12.5	15	6.3	24.5	
CVS	116573	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.60289047	-78.46335283			21	6.2	28.5	7	6.1	16.1	21	6.2	28.5	
CVS	116575	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.67696042	-78.43336907			17	5.5	22.7	3	4.7	8.1	15	5.4	20.8	
CVS	116576	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	34.67591246	-78.432834			14	6.8	25.4	3	7.3	12.7	13	6.8	24.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116577	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.67362962	-78.43401747			22	6.1	28.8	6	6.8	16.7	20	6.2	27.5	
CVS	116578	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.7	-78.4			22	6.6	30.9	4	7.3	14.5	21	6.6	30.3	
CVS	116584	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.60028484	-78.51804296			45	5.1	34.4	8	5.3	14.8	34	5.1	29.8	
CVS	116586	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.55596656	-78.25619866			31	5.3	29.3	21	5.2	24.0	26	5.0	25.5	
CVS	116587	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.72489616	-78.60388892			23	5.9	28.4	3	4.7	8.1	19	5.8	25.5	
CVS	116588	Freshwater	Forested	Coastal Plain	**River**	2006	35.05531715	-78.85566502			36	4.4	26.3	7	4.4	11.7	29	4.2	22.8	
CVS	116589	Freshwater	Forested	Coastal Plain	**Wetland**	2006	35.05510447	-78.85536361			20	4.3	19.0	8	4.5	12.7	18	4.1	17.2	
CVS	116590	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.60571408	-78.47424784			17	6.3	26.0	3	6.3	11.0	16	6.4	25.5	
CVS	116591	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.59333064	-78.47483005			15	6.3	24.5	5	7.0	15.7	15	6.3	24.5	
CVS	116592	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.56887227	-78.48744902			63	5.2	41.2	6	6.7	16.3	53	4.9	36.0	
CVS	116593	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.72436672	-78.6040134			26	5.0	25.6	4	4.8	9.5	23	4.9	23.7	
CVS	116595	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.56665586	-78.48411405			17	4.9	20.1	9	5.6	16.7	14	4.6	17.4	
CVS	116596	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.56694078	-78.48437791			34	5.1	29.8	11	5.1	16.9	24	4.6	22.6	
CVS	116598	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.47818036	-78.19898863			24	5.0	24.5	17	4.9	20.4	22	5.0	23.5	
CVS	116599	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.72382987	-78.54002367			19	6.8	29.6	2	6.0	8.5	19	6.8	29.6	
CVS	116600	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.70390672	-78.62216784			17	6.4	26.3	4	7.0	14.0	17	6.4	26.3	
CVS	116601	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.70383696	-78.62090356			16	6.8	27.3	4	6.8	13.5	16	6.8	27.3	
CVS	116602	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	34.69940565	-78.62573509			2	6.5	9.2	2	6.5	9.2	1	7.0	7.0	
CVS	116603	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.81262336	-78.45748649			35	4.9	28.9	3	4.7	8.1	31	4.9	27.3	
CVS	116604	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.81378825	-78.45844534			19	4.7	20.6	14	4.5	16.8	16	4.8	19.0	
CVS	116605	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53974799	-76.1290546			11	5.3	17.5	3	4.7	8.1	10	5.1	16.1	
CVS	116606	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53992255	-76.12966039			14	4.8	17.9	4	4.0	8.0	12	4.4	15.3	
CVS	116607	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.32321062	-75.97908041			28	5.2	27.6	3	6.0	10.4	26	5.2	26.3	
CVS	116608	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.38337278	-76.05982867			67	5.5	45.0	13	5.4	19.4	62	5.4	42.7	
CVS	116609	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53497842	-75.90150311			19	5.3	22.9	4	4.5	9.0	13	4.6	16.6	
CVS	116610	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.51202728	-75.87846606			23	5.0	23.8	2	5.0	7.1	17	4.6	19.2	
CVS	116612	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.43089564	-76.67799385			40	5.2	32.7	3	4.7	8.1	32	5.4	30.4	
CVS	116613	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.46765956	-76.49747454			35	4.9	29.2	4	4.3	8.5	34	4.8	28.2	
CVS	116614	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.51476656	-75.95374694			17	5.1	20.9	2	6.0	8.5	11	5.1	16.9	
CVS	116615	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.06038557	-77.14933802			53	5.2	37.7	3	6.0	10.4	44	5.1	33.5	
CVS	116616	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53955414	-76.12858258			14	5.3	19.8	3	4.7	8.1	12	5.0	17.3	
CVS	116617	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53944809	-76.12835761			26	5.3	27.3	3	5.3	9.2	24	5.2	25.5	
CVS	116618	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.32239581	-75.97729889			6	4.2	10.2	2	3.5	4.9	5	3.6	8.0	
CVS	116619	Brackish	Shrub	Coastal Plain	**Wetland**	2006	36.32307924	-75.97861087			26	5.1	25.8	2	5.5	7.8	24	5.0	24.4	
CVS	116620	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.5330562	-76.37176514			28	5.1	27.1	12	5.5	19.1	28	5.1	27.1	
CVS	116621	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.25866917	-75.79863518			23	5.6	26.7	1	7.0	7.0	18	5.2	21.9	
CVS	116622	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.26056138	-75.79336684			15	5.1	19.6	3	5.7	9.8	13	4.8	17.2	
CVS	116624	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.43265059	-76.67305641			31	4.2	23.3	3	3.3	5.8	29	4.1	21.9	
CVS	116626	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.51394626	-75.95035302			21	5.2	23.8	4	5.5	11.0	16	4.9	19.5	
CVS	116627	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.54692336	-76.47931742			14	5.2	19.5	5	5.4	12.1	14	5.2	19.5	
CVS	116628	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.38556561	-76.05906843			68	5.3	43.9	5	5.6	12.5	60	5.5	42.3	
CVS	116629	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.2597535	-75.79147742			28	4.9	25.9	3	4.7	8.1	26	4.9	24.9	
CVS	116630	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.25995797	-75.79191362			23	5.2	25.0	2	5.0	7.1	19	5.2	22.5	
CVS	116631	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.51255005	-76.52879133			26	5.5	28.2	5	4.6	10.3	24	5.4	26.5	
CVS	116632	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.53498185	-76.13497799			15	5.3	20.5	4	5.5	11.0	15	5.3	20.5	
CVS	116633	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	36.53485207	-76.13440638			27	5.0	26.0	2	5.5	7.8	26	4.9	25.1	
CVS	116634	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.35508196	-76.04211529			50	5.7	40.4	5	5.4	12.1	49	5.7	40.0	
CVS	116635	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	36.356331	-76.03844285			39	5.4	33.9	5	5.8	13.0	38	5.4	33.3	
CVS	116636	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.5329631	-76.42306592			26	5.3	26.9	7	5.4	14.4	26	5.3	26.9	
CVS	116637	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.53224202	-76.46180165			20	6.0	26.8	5	6.0	13.4	20	6.0	26.8	
CVS	116638	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.54163233	-76.04354449			24	5.5	27.1	3	6.3	11.0	16	5.3	21.3	
CVS	116639	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.54172521	-76.04323293			18	5.4	22.9	1	7.0	7.0	14	5.1	19.0	
CVS	116640	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.54366802	-76.04783966			27	5.3	27.5	6	5.5	13.5	21	5.0	23.1	
CVS	116641	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.54016234	-76.03223015			21	5.1	23.3	1	7.0	7.0	17	4.9	20.1	
CVS	116642	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.33635881	-76.73951099			62	5.5	43.4	6	5.3	13.1	58	5.4	41.4	
CVS	116643	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.28670194	-75.99030362			42	6.1	39.7	7	6.4	17.0	37	6.0	36.7	
CVS	116644	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2006	36.28652267	-75.99017886			54	5.1	37.2	7	4.6	12.1	51	5.0	35.7	
CVS	116645	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.28614803	-75.95653368			9	5.2	15.7	2	5.0	7.1	8	5.0	14.1	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116646	Brackish	Herbaceous	Coastal Plain	**Wetland**	2006	36.28621943	-75.95662364			22	5.5	25.8	3	5.3	9.2	20	5.4	23.9	
CVS	116647	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	36.28452487	-75.96219285			43	5.6	36.6	5	5.8	13.0	39	5.5	34.6	
CVS	116648	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.28688339	-75.97152011			12	5.3	18.2	2	5.0	7.1	10	4.9	15.5	
CVS	116649	Brackish	Forested	Coastal Plain	**Wetland**	2006	36.52277679	-76.10807187			45	5.4	36.2	4	6.0	12.0	39	5.3	33.0	
CVS	116650	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.53508583	-75.90160489			20	5.1	22.8	3	5.0	8.7	14	4.9	18.2	
CVS	116651	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.51182864	-75.87850849			19	5.2	22.7	3	3.7	6.4	14	5.2	19.5	
CVS	116652	Freshwater	Forested	Coastal Plain	**Wetland**	2006	36.34371741	-76.75835223			39	5.1	31.5	8	5.1	14.5	35	5.1	30.3	
CVS	116653	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	36.31850694	-76.70722657			39	4.9	30.8	15	4.7	18.3	35	5.0	29.5	
CVS	116654	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.28535746	-75.9795298			43	5.4	35.4	4	3.5	7.0	39	5.5	34.1	
CVS	116655	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2006	36.28503529	-75.94957407			14	5.0	18.7	4	6.0	12.0	12	4.7	16.2	
CVS	116656	Freshwater	Shrub	Coastal Plain	**Wetland**	2006	36.28449552	-75.96183834			21	5.8	26.6	3	4.7	8.1	19	5.7	24.8	
CVS	116696	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.1035177	-79.63832937			36	6.0	36.3	9	6.1	18.3	36	6.0	36.3	
CVS	116697	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.984018	-79.50247035			12	6.1	21.1	1	7.0	7.0	10	6.0	19.0	
CVS	116699	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.98956457	-79.50991802			12	5.3	18.2	2	6.0	8.5	9	5.4	16.3	
CVS	116700	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.98961341	-79.51022391			9	6.0	18.0	9	6.0	18.0	6	5.7	13.9	
CVS	116701	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.98957116	-79.51045475			10	6.0	19.0	3	5.3	9.2	9	5.9	17.7	
CVS	116703	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2007	35.1692999	-79.14060217			40	5.6	35.6	2	6.5	9.2	39	5.6	34.7	
CVS	116704	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.16926036	-79.14448978			40	5.7	36.2	11	6.1	20.2	39	5.7	35.4	
CVS	116705	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	35.19450016	-79.22849516			29	5.2	28.1	14	5.5	20.4	26	5.1	26.2	
CVS	116706	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	35.19454474	-79.22846124			23	5.2	24.9	2	6.0	8.5	22	5.1	23.8	
CVS	116707	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06428786	-80.05226548			55	4.4	32.6	7	5.0	13.2	47	4.1	28.0	
CVS	116708	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06487203	-80.05201746			31	5.1	28.3	6	6.2	15.1	22	4.5	21.3	
CVS	116709	Freshwater	Forested	Piedmont	**Wetland**	2007	35.0640183	-80.05354074			53	5.1	36.8	5	5.6	12.5	44	4.8	32.0	
CVS	116710	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.94053185	-79.86626862			63	4.4	34.6	8	4.5	12.7	56	4.3	31.8	
CVS	116711	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.96040889	-79.517565			22	5.9	27.7	4	7.5	15.0	21	5.8	26.6	
CVS	116712	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.95906191	-79.51432557			20	5.7	25.3	5	7.2	16.1	19	5.5	24.1	
CVS	116713	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.08221444	-79.5819211			35	5.2	30.9	4	5.5	11.0	28	4.9	26.1	
CVS	116714	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.08312494	-79.58113754			26	5.7	28.8	5	7.0	15.7	21	5.4	24.9	
CVS	116715	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.17813311	-79.12119594			25	6.0	29.9	5	7.0	15.7	24	5.9	28.9	
CVS	116716	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	35.16342444	-79.33013144			31	5.4	30.2	9	5.1	15.3	22	5.5	25.6	
CVS	116717	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	35.16277176	-79.33052904			39	6.4	39.7	3	5.7	9.8	30	6.4	34.9	
CVS	116718	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06492347	-80.05167689			50	4.7	33.0	5	6.2	13.9	39	4.2	26.3	
CVS	116719	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.08265906	-79.58293349			32	4.9	27.9	6	3.5	8.6	28	4.7	24.9	
CVS	116721	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.97479882	-79.37926393			43	4.9	32.0	5	4.0	8.9	41	4.8	30.8	
CVS	116722	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.97109002	-79.38105668			26	5.9	30.0	4	6.3	12.5	25	5.8	29.0	
CVS	116724	Freshwater	Herbaceous	Piedmont	**Wetland**	2007	35.0598976	-79.885829			1	6.0	6.0	1	6.0	6.0				all graminoids
CVS	116725	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.9593653	-79.50451804			28	6.4	33.8	6	6.5	15.9	27	6.3	32.9	
CVS	116726	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.96525203	-79.50736832			39	5.9	36.8	8	5.9	16.6	33	5.9	33.8	
CVS	116727	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	35.2	-79.2			41	6.1	39.0	5	5.8	13.0	36	6.0	36.1	
CVS	116728	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	35.2	-79.2			35	6.1	36.3	7	6.1	16.3	30	6.1	33.3	
CVS	116729	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.98341748	-79.4723655			23	6.3	30.0	4	6.0	12.0	19	6.0	26.2	
CVS	116733	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.97147762	-79.38104905			25	6.2	30.8	7	6.0	15.9	25	6.2	30.8	
CVS	116734	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.96359847	-79.38519074			32	6.2	34.9	3	6.0	10.4	30	6.1	33.3	
CVS	116735	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.97476994	-79.59549689			9	5.6	16.8	3	5.3	9.2	8	5.3	15.0	
CVS	116736	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.97469121	-79.59570636			18	5.4	23.0	3	6.3	11.0	16	5.2	20.6	
CVS	116737	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.97524063	-79.59487541			7	4.9	12.9	3	5.7	9.8	6	4.3	10.6	
CVS	116739	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.05009923	-79.64917234			38	6.4	39.3	6	6.0	14.7	34	6.3	36.8	
CVS	116740	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.17676524	-79.13418428			24	5.2	25.5	15	5.3	20.4	19	5.0	21.8	
CVS	116741	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.17685723	-79.13430296			18	4.9	20.6	5	5.2	11.6	15	4.6	17.7	
CVS	116743	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06743571	-80.05469671			59	5.1	38.9	11	5.0	16.6	43	4.9	32.0	
CVS	116744	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06829249	-80.05819637			54	4.9	35.7	8	5.6	15.9	41	4.6	29.2	
CVS	116745	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.06916262	-79.65345339			19	6.4	27.8	4	6.5	13.0	19	6.4	27.8	
CVS	116746	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.08387171	-79.58177176			37	5.1	30.9	5	5.4	12.1	32	5.0	28.3	
CVS	116747	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.06673697	-79.54869739			30	5.1	27.8	23	5.1	24.6	22	4.8	22.4	
CVS	116749	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.06880127	-79.50853385			41	5.5	35.3	8	5.4	15.2	33	5.3	30.6	
CVS	116750	Freshwater	Forested	Piedmont	**Wetland**	2007	35.0815429	-80.02455552			56	4.6	34.6	15	4.3	16.5	47	4.3	29.8	
CVS	116751	Freshwater	Forested	Piedmont	**Wetland**	2007	35.08058005	-80.0236785			26	4.6	23.5	17	4.3	17.7	24	4.6	22.7	
CVS	116752	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.10282051	-79.63646486			27	5.8	30.2	6	5.8	14.3	27	5.8	30.2	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116753	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.94968494	-79.87023838			69	4.6	38.5	11	5.5	18.2	63	4.5	36.1	
CVS	116754	Freshwater	Forested	Piedmont	**Wetland**	2007	35.06296117	-79.89248785			54	4.1	30.0	9	3.8	11.5	49	4.1	28.4	
CVS	116755	Freshwater	Forested	Piedmont	**Wetland**	2007	35.05497771	-79.87543492			37	4.2	25.7	6	5.2	12.7	24	3.8	18.8	
CVS	116756	Freshwater	Forested	Piedmont	**Wetland**	2007	35.07525721	-79.91008998			34	4.1	24.2	16	4.4	17.8	29	3.9	21.2	
CVS	116757	Freshwater	Forested	Piedmont	**Wetland**	2007	35.07573587	-79.90917326			57	4.5	34.0	10	4.5	14.1	45	4.3	28.6	
CVS	116758	Freshwater	Forested	Piedmont	**Wetland**	2007	35.07753541	-79.90674723			46	4.8	32.2	31	4.7	26.3	37	4.6	27.8	
CVS	116759	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.95224735	-79.8704113			58	3.8	29.3	14	3.4	12.6	49	3.7	25.7	
CVS	116760	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.07765265	-79.65232677			37	6.4	39.2	4	6.0	12.0	34	6.3	36.8	
CVS	116762	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.06669629	-79.55057336			25	5.2	25.8	5	5.6	12.5	20	4.9	21.7	
CVS	116763	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	35.20167841	-79.06829449			47	6.2	42.8	4	5.3	10.5	30	6.5	35.6	
CVS	116764	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	35.21567573	-79.084518			41	6.0	38.5	4	7.3	14.5	37	6.1	37.1	
CVS	116765	Freshwater	Forested	Piedmont	**Wetland**	2007	35.07784015	-80.0294477			55	4.8	35.7	34	4.7	27.2	38	4.6	28.1	
CVS	116767	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.89338308	-77.0795749			22	7.0	33.0	2	5.5	7.8	19	7.0	30.5	
CVS	116768	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.89308891	-77.07990669			17	6.8	28.1	5	6.6	14.8	15	6.9	26.6	
CVS	116769	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72174	-76.96984			17	6.8	27.9	4	8.5	17.0	11	6.7	22.3	
CVS	116770	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72105	-76.96294			4	6.5	13.0	2	7.0	9.9	3	6.7	11.5	
CVS	116771	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72038	-76.96346			16	5.9	23.8	3	6.7	11.5	13	5.9	21.4	
CVS	116772	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72118	-76.96278			11	5.9	19.6	3	5.3	9.2	9	6.0	18.0	
CVS	116773	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72554	-76.96018			12	5.5	19.1	3	5.7	9.8	9	5.1	15.3	
CVS	116774	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.67001	-76.5978			37	4.6	27.9	6	3.8	9.4	21	4.5	20.7	
CVS	116775	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.67036	-76.59764			19	4.6	20.2	4	3.8	7.5	13	4.6	15.9	
CVS	116776	Brackish	Shrub	Coastal Plain	**Wetland**	2007	34.67111	-76.59805			8	6.3	17.7	2	7.5	10.6	5	6.3	12.5	
CVS	116777	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.82669	-77.17648			76	5.6	48.8	4	6.5	13.0	74	5.6	47.8	
CVS	116778	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.84604532	-77.06299626			10	6.7	21.2	3	6.0	10.4	10	6.7	21.2	
CVS	116781	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.63383621	-77.14632937			12	4.5	15.6	2	5.5	7.8	8	3.8	10.6	
CVS	116782	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.6390499	-77.12404717			5	7.4	16.5	1	7.0	7.0	4	7.5	15.0	
CVS	116783	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.84853866	-76.70159572			23	5.4	25.8	7	5.1	13.6	23	5.4	25.8	
CVS	116784	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	35.09159502	-77.05264529			12	5.5	19.1	1	7.0	7.0	10	5.3	16.8	
CVS	116786	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	35.02823	-76.3419			10	6.5	20.6	4	6.3	12.5	5	5.8	13.0	
CVS	116788	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.74589478	-76.77126433			1	8.0	8.0	1	8.0	8.0				all graminoids
CVS	116789	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.74592782	-76.77147258			2	7.5	10.6	1	7.0	7.0				all graminoids
CVS	116790	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.74682715	-76.77101116			4	7.0	14.0	2	7.5	10.6	1	6.0	6.0	
CVS	116793	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.76160252	-76.41417938			8	7.0	19.8	2	7.5	10.6	5	6.8	15.2	
CVS	116795	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.70607712	-76.6560045			4	7.5	15.0	2	7.5	10.6	2	7.5	10.6	
CVS	116797	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.70582435	-76.6547002			2	7.0	9.9	2	7.0	9.9	1	7.0	7.0	
CVS	116798	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35	-77			18	4.6	19.6	2	4.5	6.4	17	4.6	18.9	
CVS	116799	Brackish	Forested	Coastal Plain	**Wetland**	2007	34.98531423	-76.95198956			39	4.7	29.1	22	4.8	22.6	36	4.7	28.0	
CVS	116803	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.69700317	-76.69945872			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	116804	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.6970581	-76.70133755			8	7.4	20.9	2	7.0	9.9	4	7.5	15.0	
CVS	116805	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.65550474	-76.5623034			8	5.1	14.5	2	7.0	9.9	3	5.3	9.2	
CVS	116807	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.65521348	-76.56251617			5	7.4	16.5	2	7.0	9.9	3	7.7	13.3	
CVS	116808	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.65467882	-76.56272437			5	6.6	14.8	2	5.0	7.1	2	5.5	7.8	
CVS	116809	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.65682108	-76.56301556			13	6.2	22.5	2	7.0	9.9	6	5.8	14.3	
CVS	116810	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.74261992	-76.98474085			21	6.6	30.1	4	6.8	13.5	19	6.6	28.7	
CVS	116811	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.7	-77			19	7.1	31.0	5	6.8	15.2	17	7.2	29.6	
CVS	116814	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.76130083	-76.41375905			3	7.7	13.3	1	7.0	7.0	1	8.0	8.0	
CVS	116815	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.6311494	-77.14633649			13	4.4	15.8	1	4.0	4.0	9	3.6	10.7	
CVS	116816	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.63262598	-77.14542559			13	3.8	13.6	1	2.0	2.0	8	3.3	8.7	
CVS	116817	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.63352425	-77.14663765			9	4.2	12.7	7	4.4	11.7	9	4.2	12.7	
CVS	116818	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.83325485	-76.43377509			30	5.9	32.5	5	6.6	14.8	24	6.1	29.8	
CVS	116819	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72181267	-76.96965475			7	6.1	16.3	2	6.5	9.2	4	6.8	13.5	
CVS	116820	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72196447	-76.9697457			4	5.8	11.5	2	5.5	7.8	3	5.7	9.8	
CVS	116821	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.72167607	-76.96973886			14	6.4	23.8	5	6.0	13.4	11	6.5	21.7	
CVS	116822	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.72087617	-76.96344119			22	6.0	28.1	4	6.8	13.5	17	5.8	24.0	
CVS	116823	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.72526	-76.95998			22	6.0	28.1	8	6.0	17.0	17	6.2	25.7	
CVS	116826	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.65679369	-76.56233851			15	5.1	19.9	3	3.7	6.4	7	5.9	15.5	
CVS	116827	Saltwater	Shrub	Coastal Plain	**Wetland**	2007	34.65656587	-76.563229			27	4.9	25.2	4	4.0	8.0	17	4.8	19.6	
CVS	116828	Brackish	Forested	Coastal Plain	**Wetland**	2007	34.78914219	-77.17006107			35	5.2	30.6	6	4.5	11.0	29	5.0	26.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116829	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.79636761	-77.17488432			24	5.4	26.5	4	4.8	9.5	20	5.0	22.1	
CVS	116830	Brackish	Forested	Coastal Plain	**Wetland**	2007	34.83605776	-77.20070485			72	5.5	46.3	9	5.1	15.3	64	5.4	43.0	
CVS	116833	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.66771	-76.58972			16	3.9	15.5	2	5.5	7.8	12	3.3	11.5	
CVS	116834	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.78747	-77.17429			29	5.4	29.0	3	5.7	9.8	27	5.3	27.7	
CVS	116835	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.78763	-77.17457			18	5.0	21.2	4	4.0	8.0	13	4.2	15.0	
CVS	116836	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.78761	-77.17563			19	5.2	22.7	2	5.0	7.1	16	4.8	19.3	
CVS	116837	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.79824	-77.17879			14	5.6	20.8	3	5.7	9.8	12	5.3	18.5	
CVS	116838	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.76081	-76.96023			12	6.8	23.7	3	6.3	11.0	12	6.8	23.7	
CVS	116839	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.7597	-76.96304			18	6.4	27.0	3	5.3	9.2	15	6.4	24.7	
CVS	116840	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.76	-76.96329			13	6.8	24.4	4	6.8	13.5	13	6.8	24.4	
CVS	116841	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.85660044	-77.05140393			23	5.3	25.6	12	5.4	18.8	23	5.3	25.6	
CVS	116842	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.85418089	-77.05053452			15	5.3	20.7	9	4.7	14.0	15	5.3	20.7	
CVS	116846	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.69893781	-76.69973846			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	116847	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.69830778	-76.70030418			5	7.4	16.5	1	7.0	7.0	1	8.0	8.0	
CVS	116848	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	35.02901669	-76.3420622			9	6.8	20.3	1	7.0	7.0	3	7.0	12.1	
CVS	116849	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	35.02911481	-76.34297362			4	6.8	13.5	1	7.0	7.0	2	6.5	9.2	
CVS	116851	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.84546127	-77.13083719			60	5.3	40.8	40	5.3	33.4	52	5.1	36.7	
CVS	116855	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.761625	-76.41379736			2	7.0	9.9	1	7.0	7.0				all graminoids
CVS	116856	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.78653118	-76.80135577			75	5.0	43.2	12	5.5	19.1	59	4.8	37.0	
CVS	116857	Saltwater	Forested	Coastal Plain	**Wetland**	2007	34.79952848	-76.49551854			13	6.4	23.0	4	6.8	13.5	9	6.0	18.0	
CVS	116858	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.79925992	-76.49536065			5	7.6	17.0	2	7.5	10.6	4	7.8	15.5	
CVS	116861	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.66733313	-76.58962306			16	4.8	19.3	3	4.7	8.1	13	4.3	15.5	
CVS	116862	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.83652624	-77.2012203			48	5.3	36.7	6	5.7	13.9	43	5.1	33.7	
CVS	116863	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.8	-77.2			55	5.6	41.3	9	6.1	18.3	53	5.5	40.2	
CVS	116864	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.9572419	-77.11597701			13	6.7	24.1	6	6.5	15.9	13	6.7	24.1	
CVS	116865	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.92639926	-77.08422824			18	6.3	26.9	4	6.5	13.0	17	6.4	26.2	
CVS	116866	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.93996223	-76.97892014			29	5.0	27.0	5	5.6	12.5	27	5.0	25.9	
CVS	116867	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.69409215	-77.09009738			6	7.5	18.4	3	7.3	12.7	3	7.7	13.3	
CVS	116868	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.69361724	-77.08834986			5	7.6	17.0	1	7.0	7.0	3	7.7	13.3	
CVS	116869	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.6932721	-77.08744611			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	116870	Brackish	Herbaceous	Coastal Plain	**Wetland**	2007	34.69574932	-77.08862176			5	7.2	16.1	2	6.5	9.2	3	7.3	12.7	
CVS	116871	Freshwater	Forested	Coastal Plain	**Wetland**	2006	34.8464439	-77.13135463			57	5.1	38.3	3	5.3	9.2	52	5.0	35.8	
CVS	116872	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.77349695	-76.92824751			17	5.5	22.7	1	6.0	6.0	15	5.4	21.0	
CVS	116873	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.77433453	-76.92602704			11	6.2	20.5	3	5.0	8.7	11	6.2	20.5	
CVS	116874	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.77453214	-76.92664353			16	5.9	23.8	2	6.0	8.5	14	5.9	22.2	
CVS	116876	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.63254488	-77.1454235			10	3.7	11.7	1	2.0	2.0	7	3.3	8.7	
CVS	116878	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2007	35	-77			22	4.9	23.1	8	5.0	14.1	20	4.9	22.0	
CVS	116879	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.8	-77			22	4.9	23.0	13	4.8	17.5	20	4.8	21.5	
CVS	116880	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.92291594	-77.10637125			15	5.3	20.7	8	5.1	14.5	15	5.3	20.7	
CVS	116881	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.77664426	-77.05597813			21	6.3	29.0	5	6.6	14.8	18	6.3	26.9	
CVS	116882	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.77636305	-77.05608042			17	6.6	27.4	3	6.0	10.4	14	6.7	25.1	
CVS	116883	Saltwater	Shrub	Coastal Plain	**Wetland**	2007	34.69305166	-77.08715677			16	5.6	22.5	4	6.0	12.0	13	5.1	17.6	
CVS	116884	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2007	34.69577161	-77.08784729			3	7.3	12.7	1	7.0	7.0	2	7.5	10.6	
CVS	116885	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.7	-77			24	7.0	34.4	4	6.5	13.0	20	7.4	32.9	
CVS	116886	Freshwater	Shrub	Coastal Plain	**Wetland**	2007	34.7	-77			21	6.8	31.0	3	7.0	12.1	19	6.8	29.8	
CVS	116887	Brackish	Shrub	Coastal Plain	**Wetland**	2007	34.74420428	-76.42772301			19	4.6	20.0	6	4.3	10.6	15	4.9	18.8	
CVS	116889	Saltwater	Shrub	Coastal Plain	**Wetland**	2007	34.7608949	-76.41377398			7	7.0	18.5	3	7.0	12.1	5	7.0	15.7	
CVS	116892	Freshwater	Forested	Coastal Plain	**Wetland**	2007	34.94175954	-76.93565013			52	5.3	38.1	6	4.8	11.8	51	5.3	37.8	
CVS	116893	Freshwater	Forested	Piedmont	**Wetland**	2007	35.97849077	-78.74207635			45	4.3	29.1	22	4.2	19.6	34	4.2	24.7	
CVS	116894	Freshwater	Forested	Piedmont	**Wetland**	2007	36.12831964	-78.82254416			52	4.3	31.1	4	5.1	10.3	44	4.2	28.0	
CVS	116895	Freshwater	Forested	Piedmont	**Wetland**	2007	36.08336129	-78.84811539			55	4.6	34.1	5	4.5	10.1	45	4.6	30.6	
CVS	116896	Freshwater	Forested	Piedmont	**Wetland**	2007	36.07854586	-78.84800237			49	4.6	32.1	11	4.8	15.8	36	4.4	26.7	
CVS	116897	Freshwater	Forested	Piedmont	**Wetland**	2007	35.97817618	-78.74356024			68	4.7	38.9	38	4.5	27.7	52	4.6	33.4	
CVS	116898	Freshwater	Forested	Piedmont	**Wetland**	2007	36.08192178	-79.06549567			74	4.5	39.1	40	4.6	29.1	59	4.4	34.0	
CVS	116899	Freshwater	Forested	Piedmont	**Wetland**	2007	35.95643967	-78.21888383			78	4.8	42.2	8	4.9	14.0	63	4.7	37.2	
CVS	116900	Freshwater	Forested	Piedmont	**Wetland**	2007	35.96819974	-78.22193023			60	4.7	36.3	3	5.5	9.5	49	4.6	32.3	
CVS	116901	Freshwater	Forested	Piedmont	**Wetland**	2007	35.96824814	-78.22129659			67	4.7	38.7	7	5.6	14.7	53	4.5	32.8	
CVS	116902	Freshwater	Forested	Piedmont	**Wetland**	2007	36.28846098	-78.18658965			69	4.6	38.0	14	4.8	18.0	59	4.5	34.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116903	Freshwater	Forested	Piedmont	**Wetland**	2007	36.03405118	-79.06463644			79	4.5	40.4	8	3.4	9.7	68	4.5	36.9	
CVS	116904	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.57104225	-78.58518692			52	4.3	30.6	8	4.3	12.0	41	4.0	25.3	
CVS	116905	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.57074602	-78.58479864			47	4.7	32.2	22	4.7	22.1	40	4.6	28.9	
CVS	116906	Freshwater	Forested	Piedmont	**Wetland**	2007	35.7293398	-78.20394784			67	4.9	40.1	32	5.0	28.2	54	4.8	35.2	
CVS	116907	Freshwater	Forested	Piedmont	**Wetland**	2007	35.72875209	-78.20464265			78	4.5	40.1	5	3.6	8.0	60	4.3	33.5	
CVS	116908	Freshwater	Forested	Piedmont	**Wetland**	2007	35.71848669	-78.75381578			74	4.6	39.4	41	4.3	27.3	66	4.6	37.2	
CVS	116909	Freshwater	Forested	Piedmont	**Wetland**	2007	35.71794062	-78.75401902			58	4.6	34.7	12	4.2	14.4	49	4.5	31.2	
CVS	116911	Freshwater	Forested	Piedmont	**Wetland**	2007	35.75781297	-78.5342908			53	4.3	31.2	8	4.2	11.8	48	4.2	29.0	
CVS	116912	Freshwater	Forested	Piedmont	**Wetland**	2007	35.75810904	-78.53378403			65	3.9	31.4	6	4.2	10.2	54	3.8	28.0	
CVS	116913	Freshwater	Forested	Piedmont	**Wetland**	2007	35.72501383	-78.50595471			52	4.2	30.3	12	4.7	16.3	40	4.1	25.9	
CVS	116914	Freshwater	Forested	Piedmont	**Wetland**	2007	35.88788156	-78.53750643			53	4.4	32.3	6	3.8	9.2	45	4.4	29.4	
CVS	116916	Freshwater	Forested	Piedmont	**Wetland**	2007	35.88430923	-78.53999843			45	4.6	30.9	7	5.1	13.6	35	4.4	26.0	
CVS	116917	Freshwater	Forested	Piedmont	**Wetland**	2007	35.84781465	-78.72620308			49	4.4	30.7	4	3.8	7.5	39	4.3	26.7	
CVS	116918	Freshwater	Forested	Piedmont	**Wetland**	2007	35.84883162	-78.72659476			52	4.5	32.6	4	4.8	9.5	44	4.5	29.5	
CVS	116919	Freshwater	Forested	Piedmont	**Wetland**	2007	35.86749978	-78.75729053			78	4.3	37.7	6	3.3	8.2	57	4.1	30.7	
CVS	116920	Freshwater	Forested	Piedmont	**Wetland**	2007	35.88143359	-78.76929181			78	4.3	37.7	4	3.8	7.5	61	4.2	32.6	
CVS	116921	Freshwater	Forested	Piedmont	**Wetland**	2007	35.90756245	-78.55270652			50	4.6	32.7	25	4.5	22.7	38	4.5	28.0	
CVS	116922	Freshwater	Forested	Piedmont	**Wetland**	2007	35.90776212	-78.55144841			43	4.4	29.0	5	3.8	8.5	32	4.1	23.3	
CVS	116923	Freshwater	Forested	Piedmont	**Wetland**	2007	35.90466918	-78.54741133			54	4.8	35.1	7	5.3	14.0	36	4.5	27.2	
CVS	116924	Freshwater	Forested	Piedmont	**Wetland**	2007	35.90451479	-78.55132693			60	4.9	37.7	6	4.8	11.8	39	4.7	29.3	
CVS	116925	Freshwater	Forested	Piedmont	**Wetland**	2007	36.24379849	-77.88478012			72	4.9	41.3	38	5.0	31.0	56	4.6	34.7	
CVS	116926	Freshwater	Forested	Piedmont	**Wetland**	2007	36.25777086	-77.88575042			85	4.7	43.2	17	4.5	18.7	66	4.5	36.6	
CVS	116927	Freshwater	Forested	Piedmont	**Wetland**	2007	36.27769679	-77.88350135			79	4.8	42.5	15	4.8	18.6	63	4.7	37.0	
CVS	116928	Freshwater	Forested	Piedmont	**Wetland**	2007	36.20027536	-78.00365973			92	4.8	46.4	18	5.2	21.9	72	4.7	39.7	
CVS	116929	Freshwater	Forested	Piedmont	**Wetland**	2007	36.20221485	-78.00517579			70	5.0	41.5	5	5.8	13.0	56	4.9	36.6	
CVS	116930	Freshwater	Forested	Piedmont	**Wetland**	2007	36.20978022	-78.10153502			82	4.6	41.5	21	4.8	22.0	62	4.3	33.7	
CVS	116931	Freshwater	Forested	Piedmont	**Wetland**	2007	35.8810736	-78.08846333			58	4.7	35.9	27	4.7	24.4	50	4.6	32.3	
CVS	116932	Freshwater	Forested	Piedmont	**Wetland**	2007	35.88116004	-78.08793967			67	4.7	38.7	8	4.2	11.8	60	4.7	36.1	
CVS	116933	Freshwater	Forested	Piedmont	**Wetland**	2007	35.8818596	-78.08594281			70	4.8	39.9	5	4.5	10.1	57	4.7	35.4	
CVS	116934	Freshwater	Forested	Piedmont	**Wetland**	2007	36.22075745	-78.4798348			65	4.6	36.7	12	4.8	16.7	50	4.3	30.7	
CVS	116935	Freshwater	Forested	Piedmont	**Wetland**	2007	36.18233902	-78.45701911			59	4.5	34.4	5	5.6	12.5	43	4.2	27.4	
CVS	116936	Freshwater	Forested	Piedmont	**Wetland**	2007	36.21891934	-78.47986043			70	4.6	38.1	10	4.9	15.5	52	4.3	31.1	
CVS	116937	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.87925917	-78.02149948			46	4.6	31.4	5	5.2	11.6	40	4.4	27.8	
CVS	116938	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.87961728	-78.02430989			53	4.6	33.7	6	5.0	12.2	45	4.6	30.6	
CVS	116939	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.88009987	-78.02378242			63	4.7	37.5	10	4.4	13.9	47	4.5	30.8	
CVS	116940	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.9741994	-77.85719043			58	5.1	38.5	22	4.6	21.6	50	5.0	35.0	
CVS	116941	Freshwater	Forested	Piedmont	**Wetland**	2007	36.16595953	-78.12228959			35	4.7	27.7	7	4.7	12.5	26	4.2	21.4	
CVS	116942	Freshwater	Forested	Piedmont	**Wetland**	2007	36.16581252	-78.16178468			61	4.2	32.7	4	3.5	7.0	51	4.0	28.9	
CVS	116943	Freshwater	Forested	Piedmont	**Wetland**	2007	36.14094153	-78.06440592			68	4.9	40.5	47	5.0	34.1	52	4.7	34.1	
CVS	116944	Freshwater	Forested	Piedmont	**Wetland**	2007	36.05975648	-78.35316617			70	4.6	38.3	12	5.0	17.3	48	4.2	29.4	
CVS	116945	Freshwater	Forested	Piedmont	**Wetland**	2007	36.07235098	-78.40814265			62	4.4	34.4	5	4.2	9.4	49	4.1	28.9	
CVS	116946	Freshwater	Forested	Piedmont	**Wetland**	2007	36.07295346	-78.40807846			58	4.4	33.3	2	4.5	6.4	43	4.2	27.5	
CVS	116947	Freshwater	Forested	Piedmont	**Wetland**	2007	36.16874613	-78.44637619			51	4.2	30.1	6	5.3	13.1	36	3.8	22.8	
CVS	116948	Freshwater	Forested	Piedmont	**Wetland**	2007	36.16881084	-78.44687429			42	4.1	26.8	2	5.0	7.1	29	3.6	19.6	
CVS	116950	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.4	-78			66	5.2	42.2	41	4.9	31.5	64	5.1	40.9	
CVS	116951	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.57876661	-77.69761197			30	5.5	30.2	11	5.3	17.6	29	5.5	29.6	
CVS	116952	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.57967278	-77.69658405			21	5.8	26.6	11	6.1	20.2	19	5.5	24.1	
CVS	116953	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.68099162	-77.81946394			13	6.8	24.7	3	6.3	11.0	13	6.8	24.7	
CVS	116954	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.67961318	-77.81982093			22	6.4	30.1	5	6.2	13.9	21	6.3	29.0	
CVS	116958	Saltwater	Shrub	Coastal Plain	**Wetland**	2004	34.16975233	-77.82686124			10	6.7	21.2	1	8.0	8.0	6	7.0	17.1	
CVS	116959	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2004	34.16998728	-77.82683654			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	116961	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.52290352	-77.6713237			16	6.8	27.0	6	6.3	15.5	16	6.8	27.0	
CVS	116962	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.42995385	-77.72106202			48	5.2	36.0	11	4.6	15.4	48	5.1	35.4	
CVS	116963	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.59908091	-78.24786445			48	4.4	30.5	10	5.3	16.8	45	4.3	29.1	
CVS	116964	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.59731945	-78.2489037			46	4.8	32.4	8	4.5	12.7	38	4.5	28.0	
CVS	116965	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.5944885	-77.82030817			33	5.2	30.1	16	5.1	20.3	33	5.2	30.1	
CVS	116966	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.4	-78			52	5.4	39.0	5	6.0	13.4	50	5.3	37.8	
CVS	116967	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.68056744	-77.81987511			11	6.6	22.0	3	6.3	11.0	11	6.6	22.0	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	116972	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24276143	-77.96566904			21	4.9	22.3	2	3.0	4.2	16	4.5	18.0	
CVS	116973	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24336482	-77.96308515			5	5.2	11.6	1	7.0	7.0	4	4.8	9.5	
CVS	116974	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.45147513	-77.69775375			26	6.4	32.8	5	6.6	14.8	21	6.6	30.3	
CVS	116975	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.45437983	-77.69153518			18	6.4	27.1	4	6.3	12.5	17	6.5	26.7	
CVS	116976	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.60643152	-78.24922437			35	4.6	27.3	15	4.4	17.0	30	4.5	24.7	
CVS	116977	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.35584743	-78.06340387			54	5.4	39.7	29	5.2	28.0	49	5.3	36.9	
CVS	116978	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.4	-78			28	6.0	31.6	8	6.4	18.0	28	6.0	31.6	
CVS	116979	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.42392328	-77.73840304			43	5.7	37.2	17	5.2	21.3	41	5.5	35.1	
CVS	116980	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.41130648	-77.66356957			17	5.0	20.6	3	5.3	9.2	14	4.7	17.6	
CVS	116981	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.5435889	-77.82594267			50	5.0	35.5	12	5.3	18.2	42	4.9	31.9	
CVS	116982	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.54460335	-77.82378725			33	5.5	31.5	3	5.7	9.8	32	5.4	30.8	
CVS	116983	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2004	34.54412451	-77.82344425			3	5.0	8.7	3	5.0	8.7	3	5.0	8.7	
CVS	116984	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24287117	-77.96597682			10	4.8	15.2	2	3.5	4.9	7	4.0	10.6	
CVS	116985	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24293686	-77.96475257			15	4.6	17.8	2	7.0	9.9	11	3.6	11.4	
CVS	116986	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24312469	-77.96481344			1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	
CVS	116987	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24365074	-77.96467994			8	4.0	11.3	1	0.0	0.0	6	2.4	5.4	
CVS	116988	Brackish	Herbaceous	Coastal Plain	**Wetland**	2004	34.24476457	-77.96819253			10	5.1	16.1	2	7.0	9.9	7	4.3	11.3	
CVS	116989	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.68001297	-77.83792618			11	6.6	22.0	4	6.5	13.0	11	6.6	22.0	
CVS	116990	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.68030181	-77.77966669			21	6.4	29.5	8	7.0	19.8	21	6.4	29.5	
CVS	116991	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.4	-77.7			33	6.7	38.6	1	7.0	7.0	28	6.8	36.1	
CVS	116992	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.48198631	-78.17279641			72	5.3	44.8	7	5.4	14.4	59	5.2	40.0	
CVS	116993	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.59656156	-77.81798008			11	5.7	19.0	4	6.3	12.5	11	5.7	19.0	
CVS	116994	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.59627729	-77.81818849			18	5.8	24.7	7	6.4	17.0	17	5.8	23.8	
CVS	116997	Saltwater	Shrub	Coastal Plain	**Wetland**	2004	34.17737507	-77.82075962			5	7.4	16.5	2	7.5	10.6	3	7.7	13.3	
CVS	116999	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2004	34.17757627	-77.82102663			3	7.3	12.7	2	7.0	9.9	2	7.5	10.6	
CVS	117003	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2004	34.17625392	-77.8216876			2	7.5	10.6	1	7.0	7.0	1	8.0	8.0	
CVS	117004	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.4	-78			23	6.4	30.7	3	6.0	10.4	23	6.4	30.7	
CVS	117005	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.4302241	-77.7230944			44	5.6	37.4	6	5.5	13.5	38	5.5	33.9	
CVS	117006	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2004	34.24813337	-77.76562494			5	7.4	16.5	1	7.0	7.0	2	7.5	10.6	
CVS	117010	Freshwater	Shrub	Coastal Plain	**Wetland**	2004	34.52261907	-77.6731989			13	6.7	24.1	4	6.3	12.5	13	6.7	24.1	
CVS	117011	Freshwater	Forested	Coastal Plain	**Wetland**	2004	34.57832605	-77.81795271			38	4.9	29.9	27	4.8	24.8	36	4.8	29.1	
CVS	117199	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	34.03135631	-78.08395728			9	6.8	20.3	2	6.0	8.5	9	6.8	20.3	
CVS	117200	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	34.03150429	-78.08373566			7	6.6	17.4	2	6.0	8.5	7	6.6	17.4	
CVS	117201	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.12882802	-78.40974612			24	5.8	28.6	5	6.0	13.4	23	5.8	27.7	
CVS	117202	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.12946645	-78.40795956			23	5.9	28.4	5	6.4	14.3	23	5.9	28.4	
CVS	117204	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	34.11106084	-78.21350811			11	6.9	22.9	3	6.0	10.4	10	6.9	21.8	
CVS	117205	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	34.10864109	-78.21254709			9	6.8	20.3	2	6.0	8.5	9	6.8	20.3	
CVS	117207	Freshwater	Herbaceous	Coastal Plain	**River**	2008	34.01909454	-78.62355659			11	5.0	16.6	3	6.0	10.4	9	5.1	15.3	
CVS	117208	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.01931856	-78.62348538			38	5.3	32.9	17	5.1	20.9	37	5.4	32.6	
CVS	117209	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.2	-78.6			55	5.3	39.4	8	5.6	15.9	45	5.2	35.0	
CVS	117211	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	33.99260279	-78.09499067			12	6.3	21.7	2	6.0	8.5	12	6.3	21.7	
CVS	117212	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	33.99310732	-78.09421591			16	7.4	29.5	3	6.7	11.5	15	7.3	28.4	
CVS	117213	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.12872987	-78.40851326			21	5.6	25.5	11	5.2	17.2	21	5.6	25.5	
CVS	117217	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.36666562	-78.9959875			16	4.9	19.5	8	4.3	12.0	16	4.9	19.5	
CVS	117218	Freshwater	Herbaceous	Coastal Plain	**River**	2008	34.02362838	-78.616511			22	5.3	25.1	3	5.3	9.2	20	5.5	24.5	
CVS	117219	Freshwater	Herbaceous	Coastal Plain	**River**	2008	34.02221174	-78.61598757			10	5.3	16.8	2	6.0	8.5	9	5.3	16.0	
CVS	117221	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.08351273	-78.39420329			26	6.1	31.2	5	6.0	13.4	26	6.1	31.2	
CVS	117231	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.16385895	-78.61408253			35	7.0	41.4	2	7.0	9.9	28	6.9	36.3	
CVS	117234	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	33.99295484	-78.09501114			16	6.3	25.4	2	6.0	8.5	16	6.3	25.4	
CVS	117235	Freshwater	Shrub	Coastal Plain	**Wetland**	2008	33.993468	-78.09498284			22	7.4	34.5	3	6.0	10.4	19	7.2	31.4	
CVS	117243	Freshwater	Forested	Coastal Plain	**Wetland**	2008	33.96074119	-78.64267754			33	4.8	27.8	2	4.5	6.4	28	4.7	25.0	
CVS	117244	Freshwater	Forested	Coastal Plain	**Wetland**	2008	33.96151459	-78.64586982			28	5.5	28.9	3	5.7	9.8	23	5.2	25.0	
CVS	117246	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2008	34.31471772	-78.51615083			43	4.0	26.2	26	4.1	20.7	39	3.9	24.4	
CVS	117247	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2008	34.31444762	-78.51572418			5	6.8	15.2	2	6.5	9.2	5	6.8	15.2	
CVS	117248	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.26140233	-78.48003127			24	6.1	30.0	5	6.8	15.2	20	6.1	27.1	
CVS	117249	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.25989906	-78.48233458			15	6.0	23.2	3	7.7	13.3	13	6.1	21.9	
CVS	117251	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.3652081	-78.9873891			30	4.8	26.3	17	4.8	19.6	28	4.6	24.6	
CVS	117254	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.92465083	-79.35248892			26	4.9	25.2	2	7.5	10.6	25	4.8	24.1	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	117255	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.43683995	-78.96327704			46	5.0	33.8	23	4.3	20.7	44	5.0	33.2	
CVS	117256	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.43678437	-78.96264723			29	4.9	26.6	24	5.0	24.5	27	5.0	26.0	
CVS	117262	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.38462882	-79.0038683			37	5.0	30.3	24	4.6	22.6	35	5.0	29.7	
CVS	117265	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.42463889	-78.96911132			24	4.9	24.2	5	4.0	8.9	23	4.9	23.7	
CVS	117266	Freshwater	Herbaceous	Coastal Plain	**River**	2008	34.42469979	-78.96843525			8	3.4	9.5	2	3.5	4.9	7	3.1	8.3	
CVS	117267	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.4230707	-78.96914926			35	4.9	28.9	5	4.2	9.4	33	5.0	28.9	
CVS	117274	Freshwater	Forested	Coastal Plain	**Wetland**	2008	34.92808374	-79.35498201			36	5.0	29.8	3	3.3	5.8	32	4.9	27.8	
CVS	117276	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.11818086	-77.6192353			25	5.6	27.8	4	6.5	13.0	21	5.4	24.7	
CVS	117277	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.11781111	-77.61924523			58	4.9	37.4	5	6.2	13.9	47	4.8	33.0	
CVS	117278	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25871889	-77.56302776			42	5.3	34.6	6	5.0	12.2	37	5.3	32.1	
CVS	117281	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.54208862	-77.30702786			34	5.3	31.0	3	5.3	9.2	30	5.2	28.3	
CVS	117282	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.54637017	-76.90558963			18	5.7	24.3	9	5.7	17.0	18	5.7	24.3	
CVS	117284	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2008	36.54817791	-76.90414822			7	4.9	12.9	4	4.5	9.0	6	4.7	11.4	
CVS	117287	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.11720356	-77.60288474			33	4.8	27.7	3	5.3	9.2	31	4.7	26.4	
CVS	117288	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.11482441	-77.60162872			35	4.7	27.8	6	5.2	12.7	33	4.8	27.8	
CVS	117290	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.09314907	-77.54666574			50	4.8	34.2	14	4.9	18.3	44	4.8	32.0	
CVS	117291	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.44752881	-77.59375945			45	4.8	32.1	23	4.6	22.1	39	4.8	30.2	
CVS	117292	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.54265048	-77.30593876			51	5.1	36.2	7	5.1	13.6	43	4.8	31.8	
CVS	117293	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.40189433	-76.93048824			25	5.7	28.6	8	5.9	16.6	24	5.7	28.0	
CVS	117296	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25928558	-77.5224046			45	4.9	33.2	8	4.9	13.8	38	4.9	30.4	
CVS	117297	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25892883	-77.52222619			40	5.0	31.6	5	5.0	11.2	35	5.0	29.4	
CVS	117298	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.44278331	-77.5956427			22	4.5	21.3	13	4.8	17.2	20	4.7	20.8	
CVS	117299	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.44271857	-77.59571862			31	4.6	25.8	6	3.5	8.6	28	4.7	25.0	
CVS	117300	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.01816956	-76.74558609			62	5.5	43.7	9	5.4	16.3	58	5.5	41.9	
CVS	117301	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.1147906	-77.60732599			68	4.7	38.9	10	5.0	15.8	61	4.7	36.8	
CVS	117302	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.11079885	-77.61925658			36	4.7	28.0	4	5.8	11.5	31	4.7	26.2	
CVS	117303	Freshwater	Forested	Piedmont	**Wetland**	2008	36.23014619	-77.88660299			64	4.6	37.1	32	4.6	25.9	58	4.6	34.8	
CVS	117306	Freshwater	Forested	Piedmont	**Wetland**	2008	36.28858099	-78.19284155			66	4.7	38.5	40	4.5	28.7	54	4.6	33.9	
CVS	117308	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.0008938	-76.95221362			61	5.1	40.2	10	5.1	16.1	56	5.1	38.2	
CVS	117310	Freshwater	Forested	Coastal Plain	**Wetland**	2008	35.98805936	-76.86833178			31	4.9	27.4	5	4.6	10.3	29	4.9	26.5	
CVS	117312	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.53128059	-77.29730309			27	4.9	25.2	3	5.3	9.2	26	4.8	24.5	
CVS	117313	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.53189823	-77.29799146			39	5.3	33.1	6	5.8	14.3	36	5.2	31.3	
CVS	117315	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.5316456	-77.29145058			41	4.8	30.5	7	4.7	12.5	35	4.5	26.6	
CVS	117316	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2008	36.53282521	-77.29056959			38	4.8	29.7	9	5.1	15.3	32	4.6	26.0	
CVS	117318	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25583378	-77.56433559			41	4.4	28.0	3	3.0	5.2	32	4.3	24.6	
CVS	117320	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.28386256	-76.68324608			53	5.6	40.7	2	5.5	7.8	46	5.5	37.2	
CVS	117323	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.09647763	-77.54484084			33	4.3	24.7	3	6.3	11.0	29	4.0	21.5	
CVS	117324	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.09707748	-77.54969114			20	4.1	18.4	4	5.8	11.5	19	4.1	18.0	
CVS	117325	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.4866656	-76.92956519			41	5.4	34.7	22	5.3	24.7	38	5.3	32.9	
CVS	117326	Freshwater	Forested	Coastal Plain	**Wetland**	2008	35.95552193	-76.90357645			65	5.6	45.3	6	6.0	14.7	60	5.6	43.4	
CVS	117327	Freshwater	Forested	Coastal Plain	**Wetland**	2008	35.95336684	-76.88649517			36	5.8	35.0	5	6.6	14.8	32	5.9	33.6	
CVS	117328	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.45589019	-77.02968164			55	5.7	42.5	10	6.1	19.3	54	5.7	41.8	
CVS	117332	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25704297	-77.56300636			35	4.9	28.7	4	4.0	8.0	29	4.9	26.2	
CVS	117334	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.25650879	-77.56437992			46	4.9	33.5	6	5.2	12.7	40	5.0	31.8	
CVS	117337	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2008	36.45180353	-77.04203781			13	5.5	20.0	2	7.0	9.9	12	5.5	19.1	
CVS	117338	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.45115459	-76.99353146			28	5.6	29.5	3	6.0	10.4	27	5.6	29.1	
CVS	117339	Freshwater	Forested	Coastal Plain	**Wetland**	2008	36.45511581	-77.08865229			28	5.3	28.2	3	5.3	9.2	21	5.2	24.0	
CVS	117341	Freshwater	Forested	Piedmont	**Wetland**	2008	36.25699161	-80.5245485			64	4.6	36.6	6	4.8	11.8	55	4.5	33.4	
CVS	117342	Freshwater	Forested	Piedmont	**Wetland**	2008	36.2572497	-80.48665525			72	4.7	40.1	3	2.3	4.0	58	4.7	35.7	
CVS	117343	Freshwater	Forested	Piedmont	**Wetland**	2008	36.25649839	-80.50085271			58	3.9	29.5	5	2.2	4.9	48	3.8	26.6	
CVS	117344	Freshwater	Forested	Piedmont	**Wetland**	2008	35.3035275	-81.09393552			88	4.7	44.0	16	5.0	20.0	74	4.6	39.8	
CVS	117346	Freshwater	Forested	Piedmont	**Wetland**	2008	35.29027576	-81.1011017			76	4.6	40.0	39	4.2	26.5	62	4.5	35.5	
CVS	117350	Freshwater	Forested	Piedmont	**Wetland**	2008	35.76264416	-80.50000713			53	3.6	25.9	7	4.0	10.6	40	3.6	22.5	
CVS	117351	Freshwater	Forested	Piedmont	**Wetland**	2008	35.76412747	-80.5033055			76	4.8	41.6	11	4.6	15.4	56	4.6	34.2	
CVS	117352	Freshwater	Forested	Piedmont	**Wetland**	2008	35.76453332	-80.50333616			52	4.7	34.1	8	5.5	15.6	37	4.5	27.1	
CVS	117353	Freshwater	Forested	Piedmont	**Wetland**	2008	35.79843413	-80.4716171			52	3.8	27.2	10	3.8	12.0	42	3.7	24.2	
CVS	117354	Freshwater	Forested	Piedmont	**Wetland**	2008	35.84692393	-80.40806396			48	4.0	27.4	4	5.3	10.5	37	3.6	22.2	
CVS	117355	Freshwater	Forested	Piedmont	**Wetland**	2008	35.84616798	-80.40651926			57	4.3	32.6	12	4.6	16.0	47	4.2	28.6	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	117356	Freshwater	Forested	Piedmont	**Wetland**	2008	35.49450812	-80.00652438			73	4.6	39.0	13	5.2	18.9	59	4.4	34.0	
CVS	117357	Freshwater	Forested	Piedmont	**River**	2008	35.48319241	-79.99993941			76	4.9	42.7	12	5.3	18.2	63	4.8	38.4	
CVS	117358	Freshwater	Forested	Piedmont	**Wetland**	2008	35.4836221	-80.16820774			65	4.6	36.7	8	4.3	12.0	48	4.4	30.6	
CVS	117359	Freshwater	Forested	Piedmont	**Wetland**	2008	35.51384576	-80.10167489			90	5.0	47.3	53	4.9	35.6	74	5.0	42.8	
CVS	117360	Freshwater	Forested	Piedmont	**Wetland**	2008	35.51446915	-80.10184439			72	4.9	41.8	33	4.8	27.7	62	4.9	38.7	
CVS	117361	Freshwater	Forested	Piedmont	**Wetland**	2008	35.52044141	-80.11328064			85	4.7	43.6	7	5.4	14.2	68	4.6	37.8	
CVS	117362	Freshwater	Forested	Piedmont	**Wetland**	2008	35.72985782	-80.42838174			26	4.0	20.4	8	4.9	13.8	24	3.8	18.4	
CVS	117363	Freshwater	Forested	Piedmont	**Wetland**	2008	35.72442662	-80.40170718			24	4.4	21.3	4	4.8	9.5	18	3.9	16.6	
CVS	117364	Freshwater	Forested	Piedmont	**Wetland**	2008	35.72483501	-80.39502576			53	3.9	28.2	4	2.8	5.5	45	3.5	23.7	
CVS	117365	Freshwater	Forested	Piedmont	**Wetland**	2008	35.71956852	-80.38592213			47	3.7	25.4	4	3.5	7.0	38	3.5	21.6	
CVS	117366	Freshwater	Forested	Piedmont	**Wetland**	2008	35.71914483	-80.38593644			45	3.4	22.9	9	3.3	10.0	34	3.2	18.4	
CVS	117367	Freshwater	Forested	Piedmont	**River**	2008	35.67679728	-80.94320062			76	4.6	39.9	8	3.9	11.1	61	4.5	34.8	
CVS	117368	Freshwater	Forested	Piedmont	**Wetland**	2008	35.61683375	-80.9551355			58	4.6	35.0	8	4.3	12.0	45	4.5	30.0	
CVS	117369	Freshwater	Forested	Piedmont	**Wetland**	2008	35.64606447	-80.99509547			75	4.5	39.0	4	4.4	8.8	58	4.4	33.2	
CVS	117370	Freshwater	Forested	Piedmont	**Wetland**	2008	35.73565333	-81.13017062			93	4.6	44.2	6	4.8	11.8	77	4.5	39.5	
CVS	117371	Freshwater	Forested	Piedmont	**Wetland**	2008	35.82162926	-81.18135686			56	4.7	35.4	9	5.5	16.5	45	4.6	30.6	
CVS	117372	Freshwater	Forested	Piedmont	**Wetland**	2008	35.82094322	-81.18189775			54	4.4	32.1	4	3.3	6.5	44	4.3	28.6	
CVS	117373	Freshwater	Forested	Piedmont	**River**	2008	35.77168772	-79.90269172			43	4.5	29.5	6	2.8	6.9	35	4.4	26.1	
CVS	117374	Freshwater	Forested	Piedmont	**Wetland**	2008	35.77134274	-79.90243095			76	4.6	40.1	44	4.8	32.0	66	4.5	36.6	
CVS	117375	Freshwater	Forested	Piedmont	**Wetland**	2008	35.18078332	-79.92666091			44	4.3	28.6	6	5.2	12.7	33	4.1	23.4	
CVS	117376	Freshwater	Forested	Piedmont	**Wetland**	2008	35.59275785	-80.19913612			79	4.6	40.5	14	4.9	18.2	58	4.4	33.5	
CVS	117377	Freshwater	Forested	Piedmont	**Wetland**	2008	35.59428138	-80.19639437			80	5.0	44.9	16	4.9	19.8	63	4.8	38.4	
CVS	117378	Freshwater	Forested	Piedmont	**Wetland**	2008	35.26218432	-80.71180663			54	4.2	30.9	8	3.5	9.9	48	4.3	29.6	
CVS	117379	Freshwater	Forested	Piedmont	**River**	2008	35.38088205	-80.97739654			71	4.4	37.2	5	3.4	7.6	54	4.3	31.2	
CVS	117380	Freshwater	Forested	Piedmont	**Wetland**	2008	35.38159417	-80.97630634			64	4.3	34.1	8	4.6	13.1	51	4.0	28.3	
CVS	117381	Freshwater	Forested	Piedmont	**Wetland**	2008	35.38356816	-80.97294762			77	4.3	38.1	12	4.1	14.1	63	4.1	32.9	
CVS	117382	Freshwater	Forested	Piedmont	**Wetland**	2008	35.35028322	-80.90978537			65	4.5	36.6	5	4.8	10.7	47	4.4	30.3	
CVS	117383	Freshwater	Forested	Piedmont	**Wetland**	2008	35.35112191	-80.90994952			77	4.6	40.3	6	4.0	9.8	60	4.5	34.7	
CVS	117384	Freshwater	Forested	Piedmont	**Wetland**	2008	36.11240252	-80.63006562			74	4.4	37.6	6	3.5	8.6	59	4.2	32.3	
CVS	117385	Freshwater	Forested	Piedmont	**Wetland**	2008	35.94096171	-80.68886264			53	4.2	30.2	4	3.8	7.5	43	4.1	27.0	
CVS	117386	Freshwater	Forested	Piedmont	**Wetland**	2008	35.44033179	-81.25144277			55	4.6	34.3	6	4.0	9.8	50	4.5	31.7	
CVS	117387	Freshwater	Forested	Piedmont	**Wetland**	2008	35.44078996	-81.25224851			44	4.3	28.2	7	3.3	8.7	41	4.2	26.9	
CVS	117388	Freshwater	Forested	Piedmont	**Wetland**	2008	35.54248499	-81.29015247			74	4.9	42.1	10	5.1	16.1	66	4.9	39.6	
CVS	117389	Freshwater	Forested	Piedmont	**Wetland**	2008	35.88533447	-80.81672531			47	4.0	27.6	5	4.2	9.4	37	3.9	23.8	
CVS	117390	Freshwater	Forested	Piedmont	**Wetland**	2008	35.88613264	-80.81395361			50	4.2	29.4	6	3.7	9.0	41	4.0	25.9	
CVS	117391	Freshwater	Forested	Piedmont	**Wetland**	2008	35.88527662	-80.81427691			45	4.1	27.5	5	3.6	8.0	35	3.9	23.0	
CVS	117392	Freshwater	Forested	Piedmont	**Wetland**	2008	35.34142529	-80.08734544			72	4.8	40.8	5	5.8	13.0	49	4.7	32.7	
CVS	117393	Freshwater	Forested	Piedmont	**Wetland**	2008	35.34320535	-80.09024158			83	4.7	43.0	8	5.3	15.0	64	4.6	36.5	
CVS	117394	Freshwater	Forested	Piedmont	**Wetland**	2008	35.10772785	-79.90025445			76	4.9	42.4	7	5.1	13.4	61	4.7	36.9	
CVS	117395	Freshwater	Forested	Piedmont	**Wetland**	2008	35.10919886	-79.8964272			82	4.9	44.3	14	5.3	19.9	63	4.7	37.5	
CVS	117396	Freshwater	Forested	Piedmont	**Wetland**	2008	35.81519444	-79.05488973			17	3.6	14.7	4	3.1	6.3	16	3.7	14.6	
CVS	117515	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.28777234	-75.51656499			25	5.0	25.2	9	5.8	17.3	20	5.1	22.6	
CVS	117516	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.53535246	-75.47503861			15	5.8	22.5	5	5.6	12.5	12	5.5	19.1	
CVS	117517	Brackish	Forested	Coastal Plain	**Wetland**	2005	35.52231016	-75.47842489			32	4.0	22.6	6	4.7	11.4	30	4.1	22.5	
CVS	117518	Saltwater	Forested	Coastal Plain	**Wetland**	2005	35.82115479	-75.56600631			17	4.7	19.3	6	4.2	10.2	17	4.7	19.3	
CVS	117520	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.82723529	-75.56904976			11	6.4	21.1	2	5.5	7.8	7	5.9	15.5	
CVS	117521	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.82697985	-75.56967898			17	4.5	18.4	4	4.3	8.5	14	4.1	15.2	
CVS	117522	Brackish	Herbaceous	Coastal Plain	**Wetland**	2005	35.81901577	-75.56263693			9	4.6	13.7	2	3.5	4.9	7	4.4	11.7	
CVS	117523	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.81929298	-75.56312597			16	4.3	17.3	4	2.8	5.5	12	4.3	14.7	
CVS	117531	Freshwater	Forested	Coastal Plain	**Wetland**	2005	35.25374277	-75.5331347			41	4.9	31.5	3	7.0	12.1	35	4.9	28.9	
CVS	117533	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.10564468	-75.98218327			2	7.0	9.9	1	7.0	7.0				all graminoids
CVS	117534	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.1049644	-75.98267983			6	7.2	17.6	2	7.5	10.6	2	7.5	10.6	
CVS	117535	Saltwater	Forested	Coastal Plain	**Wetland**	2006	35.10513294	-75.98302199			11	5.5	18.4	8	5.4	15.2	9	5.3	16.0	
CVS	117539	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.13047788	-75.92240073			2	7.0	9.9	1	7.0	7.0				all graminoids
CVS	117540	Brackish	Forested	Coastal Plain	**Wetland**	2006	35.12984167	-75.9218777			21	4.6	21.2	6	3.8	9.4	20	4.5	20.1	
CVS	117544	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.18776593	-75.77934033			17	4.1	16.7	4	4.3	8.5	13	3.5	12.5	
CVS	117545	Saltwater	Shrub	Coastal Plain	**Wetland**	2006	35.187818	-75.77825346			13	4.5	16.4	3	5.7	9.8	10	4.2	13.3	
CVS	117546	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.18904677	-75.77646385			14	5.8	21.6	1	7.0	7.0	9	5.3	16.0	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	117547	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.18517962	-75.78050182			10	3.5	11.1	2	3.5	4.9	5	3.6	8.0	
CVS	117549	Saltwater	Shrub	Coastal Plain	**Wetland**	2006	35.08920719	-75.98326964			25	5.0	24.8	2	5.5	7.8	15	5.0	19.4	
CVS	117550	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2006	35.10581682	-75.96863453			22	5.1	23.9	4	5.8	11.5	17	4.9	20.4	
CVS	117551	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.2862009	-75.51714885			10	6.2	19.6	1	7.0	7.0	4	6.8	13.5	
CVS	117552	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.28617437	-75.51702771			5	5.6	12.5	1	0.0	0.0	2	7.0	9.9	
CVS	117553	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.28770096	-75.51638859			25	5.0	24.8	7	6.0	15.9	19	4.7	20.6	
CVS	117554	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.89819358	-76.25870265			14	5.1	19.2	2	6.5	9.2	9	5.2	15.7	
CVS	117556	Brackish	Herbaceous	Coastal Plain	**Wetland**	2005	34.93338612	-76.21622164			18	5.3	22.6	4	4.8	9.5	10	5.1	16.1	
CVS	117558	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.93381113	-76.21519871			15	4.8	18.6	5	5.4	12.1	7	4.1	11.0	
CVS	117559	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.95155089	-76.19849674			7	7.3	19.3	3	7.3	12.7	3	7.3	12.7	
CVS	117560	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.95175927	-76.19748129			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117561	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.03612273	-76.08505977			12	5.6	19.3	4	4.5	9.0	7	5.4	14.4	
CVS	117564	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.89699357	-76.25964742			18	4.4	18.6	4	4.8	9.5	13	4.3	15.5	
CVS	117565	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.89820844	-76.25900931			17	5.6	23.0	2	6.5	9.2	10	5.5	17.4	
CVS	117566	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.88877164	-76.2707713			14	4.3	16.0	5	4.6	10.3	11	3.7	12.4	
CVS	117567	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.89171948	-76.26738048			6	5.3	13.1	3	5.7	9.8	4	5.0	10.0	
CVS	117568	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.89242849	-76.26596872			7	5.4	14.4	1	7.0	7.0	3	4.7	8.1	
CVS	117572	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.90012711	-76.25483591			15	5.1	19.6	5	5.4	12.1	6	4.5	11.0	
CVS	117576	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.89919265	-76.25974666			4	7.3	14.5	1	7.0	7.0	2	7.5	10.6	
CVS	117577	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.90304161	-76.25113709			17	4.5	18.4	3	5.0	8.7	13	4.3	15.5	
CVS	117578	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.03731251	-76.08309119			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117579	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.99074683	-76.14335313			15	5.1	19.9	3	3.3	5.8	10	5.7	18.0	
CVS	117580	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.88586914	-76.27584774			11	6.4	21.1	3	6.0	10.4	7	6.3	16.6	
CVS	117582	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.63506875	-76.53493101			15	4.9	19.1	3	6.0	10.4	9	4.8	14.3	
CVS	117583	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.6400119	-76.53906962			5	7.4	16.5	1	7.0	7.0	2	7.5	10.6	
CVS	117584	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.63974965	-76.53913023			11	7.1	23.5	2	7.5	10.6	7	7.0	18.5	
CVS	117587	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.89855069	-76.25904737			11	6.5	21.7	2	6.5	9.2	6	6.7	16.3	
CVS	117588	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.72541263	-76.44383609			18	4.6	19.3	6	4.0	9.8	17	4.5	18.7	
CVS	117589	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	34.72540374	-76.44382501			9	4.4	13.3	3	4.3	7.5	8	4.1	11.7	
CVS	117597	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.68205973	-76.64047421			22	5.0	23.7	4	5.0	10.0	11	4.9	16.3	
CVS	117598	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.89992653	-76.25940765			4	7.5	15.0	1	7.0	7.0	2	7.5	10.6	
CVS	117600	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	34.90005342	-76.25934392			4	7.5	15.0	1	8.0	8.0	2	7.5	10.6	
CVS	117601	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2005	35.06106912	-76.03802669			13	6.5	23.6	2	5.0	7.1	9	6.2	18.7	
CVS	117602	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.06	-76.04			21	4.8	21.8	3	6.0	10.4	13	4.3	15.5	
CVS	117603	Saltwater	Shrub	Coastal Plain	**Wetland**	2005	35.05216602	-76.05515105			14	4.6	17.4	2	5.5	7.8	6	3.8	9.4	
CVS	117635	Freshwater	Herbaceous	Piedmont	**River**	2007	35.76044452	-78.53690789			17	3.4	14.1	4	5.3	10.5	15	3.6	13.9	
CVS	117636	Freshwater	Herbaceous	Piedmont	**River**	2007	35.93948497	-78.57518653			24	3.8	18.4	5	5.2	11.6	20	3.6	16.1	
CVS	117637	Freshwater	Herbaceous	Piedmont	**River**	2007	36.19415909	-78.58152009			31	3.8	21.2	5	5.0	11.2	24	3.7	18.0	
CVS	117638	Freshwater	Herbaceous	Piedmont	**River**	2007	36.19445989	-78.58257833			16	3.3	13.3	2	5.0	7.1	13	3.4	12.2	
CVS	117639	Freshwater	Herbaceous	Piedmont	**Wetland**	2008	35.31244823	-81.1014593			21	4.2	19.2	4	5.3	10.5	18	4.1	17.4	
CVS	117641	Freshwater	Herbaceous	Piedmont	**River**	2008	35.51354636	-80.10142459			13	4.8	17.5	5	5.0	11.2	13	4.8	17.5	
CVS	117709	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.26726849	-76.62822285			45	5.6	37.7	1	8.0	8.0	39	5.5	34.3	
CVS	117710	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.27003576	-76.62759664			34	5.8	34.0	2	5.3	7.4	32	5.8	32.8	
CVS	117711	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.26807735	-76.62640317			35	5.7	33.7	5	6.2	13.9	32	5.7	32.1	
CVS	117713	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.25072838	-76.59133631			39	5.1	31.9	3	6.0	10.4	34	5.1	29.8	
CVS	117721	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.27075901	-76.62945802			39	4.5	27.9	3	5.7	9.8	33	4.5	25.7	
CVS	117722	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.27906826	-76.61424292			5	6.8	15.2	2	7.0	9.9	1	6.0	6.0	
CVS	117727	Freshwater	Shrub	Coastal Plain	**Wetland**	2009	35.7121661	-76.19565178			18	6.8	28.8	7	7.6	20.0	18	6.8	28.8	
CVS	117728	Freshwater	Shrub	Coastal Plain	**Wetland**	2009	35.67717561	-75.79557365			7	4.8	12.7	4	4.0	8.0	7	4.8	12.7	
CVS	117743	Freshwater	Shrub	Coastal Plain	**Wetland**	2009	35.91892739	-75.79458492			25	6.3	31.4	3	4.7	8.1	22	6.3	29.6	
CVS	117744	Freshwater	Shrub	Coastal Plain	**Wetland**	2009	35.9190827	-75.79427613			22	6.6	31.1	3	5.3	9.2	19	6.6	28.7	
CVS	117745	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.47225615	-76.92865821			3	5.0	8.7	1	7.0	7.0	2	4.0	5.7	
CVS	117746	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.43877205	-76.39043967			6	5.2	12.7	2	5.0	7.1	5	4.8	10.7	
CVS	117747	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.27919559	-76.61550984			6	6.8	16.7	1	7.0	7.0	4	6.8	13.5	
CVS	117748	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36130493	-76.11101047			3	7.3	12.7	2	7.5	10.6				all graminoids
CVS	117749	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36253339	-76.41140795			2	7.5	10.6	1	7.0	7.0				all graminoids
CVS	117751	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36167229	-76.41180019			6	6.8	16.7	2	7.0	9.9	2	6.0	8.5	
CVS	117752	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36211385	-76.41181888			3	7.3	12.7	1	7.0	7.0				all graminoids

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	117753	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36179862	-76.41256182			5	6.6	14.8	1	7.0	7.0	2	6.0	8.5	
CVS	117754	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.2865372	-76.62673937			7	6.3	16.6	2	5.5	7.8	3	5.0	8.7	
CVS	117755	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.36191825	-76.41235479			6	6.8	16.7	2	7.0	9.9	3	6.7	11.5	
CVS	117761	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.73435069	-76.44109423			4	7.3	14.5	4	7.3	14.5	3	7.7	13.3	
CVS	117762	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.73425125	-76.43961077			29	5.4	29.2	7	5.0	13.2	22	5.3	24.7	
CVS	117763	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.73429191	-76.4384726			27	5.4	28.3	4	5.0	10.0	23	5.4	25.9	
CVS	117765	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.73141617	-76.55441769			21	3.4	15.5	5	3.0	6.7	19	3.3	14.5	
CVS	117766	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.80296923	-76.45436244			45	4.2	28.2	4	4.3	8.5	40	4.2	26.8	
CVS	117767	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2009	35.77652065	-76.39868648			31	4.9	27.3	12	5.0	17.3	28	5.1	27.0	
CVS	117768	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.8031635	-76.45469799			47	4.6	31.4	28	4.7	24.9	43	4.6	30.3	
CVS	117769	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.73433804	-76.43838497			9	5.1	15.3	5	6.6	14.8	7	4.9	12.9	
CVS	117770	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.74432775	-76.30885638			24	4.9	24.2	5	4.4	9.8	24	4.9	24.2	
CVS	117771	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.62368076	-76.34965342			29	4.7	25.4	18	5.2	22.2	27	4.7	24.6	
CVS	117772	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.93661335	-76.36115071			26	4.6	23.5	4	6.0	12.0	24	4.7	23.1	
CVS	117773	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.88557177	-76.28561882			55	5.1	38.0	33	4.9	28.3	52	5.1	37.0	
CVS	117774	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.88917632	-76.30664965			40	5.1	32.0	8	5.1	14.5	40	5.1	32.0	
CVS	117776	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.67911399	-75.79422264			11	5.3	17.6	2	5.0	7.1	11	5.3	17.6	
CVS	117777	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.27070525	-76.62876435			9	6.0	18.0	2	5.0	7.1	7	5.7	15.1	
CVS	117778	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.67191414	-75.90960644			3	5.3	9.2	3	5.3	9.2	3	5.3	9.2	
CVS	117779	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.73516732	-75.90884348			31	5.5	30.9	4	6.0	12.0	28	5.4	28.7	
CVS	117782	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.28606585	-76.62692786			16	4.9	19.6	3	4.7	8.1	13	4.5	16.2	
CVS	117783	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.43727423	-76.39601033			20	4.4	19.7	2	4.5	6.4	17	4.1	16.7	
CVS	117784	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.47230258	-76.92800912			21	4.7	21.6	4	4.3	8.5	21	4.7	21.6	
CVS	117785	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.83905628	-75.90183342			25	5.7	28.4	6	5.8	14.3	25	5.7	28.4	
CVS	117786	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.74539312	-76.07988276			16	6.1	24.5	3	7.0	12.1	16	6.1	24.5	
CVS	117788	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.361162	-76.11086542			3	7.3	12.7	1	8.0	8.0				all graminoids
CVS	117789	Saltwater	Shrub	Coastal Plain	**Wetland**	2009	35.36176771	-76.41212103			6	6.8	16.7	1	7.0	7.0	2	6.0	8.5	
CVS	117795	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.24624199	-76.58488523			11	5.5	18.1	3	6.7	11.5	8	4.8	13.4	
CVS	117796	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.47330449	-76.92849591			23	4.8	23.1	5	4.0	8.9	19	4.4	19.3	
CVS	117797	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.52785054	-75.97909595			20	4.9	21.9	2	7.0	9.9	16	4.4	17.8	
CVS	117801	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.82638167	-75.8895122			25	5.8	29.1	14	5.1	19.1	25	5.8	29.1	
CVS	117802	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.67908401	-75.92000881			21	5.9	27.1	11	5.6	18.7	21	5.9	27.1	
CVS	117803	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.9	-76.4			28	5.4	28.3	3	6.3	11.0	27	5.3	27.7	
CVS	117807	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.91404914	-76.53308191			35	4.4	26.2	6	3.8	9.4	32	4.4	24.9	
CVS	117808	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.9154156	-76.53267607			46	4.8	32.9	4	6.8	13.5	43	4.7	31.0	
CVS	117809	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.43301942	-76.71501799			34	5.1	29.8	20	4.9	21.7	30	5.0	27.4	
CVS	117810	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.91444618	-76.53446376			35	5.1	29.9	5	6.6	14.8	33	5.1	29.4	
CVS	117813	Brackish	Shrub	Coastal Plain	**Wetland**	2009	35.27930493	-76.61542405			5	7.2	16.1	1	8.0	8.0	3	7.0	12.1	
CVS	117814	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.85572085	-76.39789493			38	5.9	36.2	5	5.6	12.5	36	5.8	34.8	
CVS	117815	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.27945298	-76.61378878			7	6.6	17.4	2	8.0	11.3	3	6.7	11.5	
CVS	117838	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.66158943	-77.28789583			29	6.7	35.8	3	7.7	13.3	23	6.6	30.9	
CVS	117839	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.66161483	-77.28750374			31	6.1	34.1	2	7.0	9.9	24	6.3	30.6	
CVS	117840	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.62401028	-77.32143505			19	5.2	22.5	4	4.3	8.5	14	4.9	17.8	
CVS	117842	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.62403005	-77.31660431			18	5.4	22.7	15	5.2	20.1	12	4.9	16.9	
CVS	117843	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.706415	-77.46389239			9	4.2	12.7	3	3.0	5.2	9	4.2	12.7	
CVS	117844	Brackish	Forested	Coastal Plain	**Wetland**	2009	34.70077894	-77.45728504			25	4.6	23.2	8	4.3	12.0	25	4.6	23.2	
CVS	117845	Brackish	Forested	Coastal Plain	**Wetland**	2009	34.68972419	-77.44306445			19	5.1	22.0	3	4.7	8.1	17	5.0	20.6	
CVS	117848	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.9908689	-75.66807081			31	5.2	28.8	5	5.0	11.2	30	5.2	28.4	
CVS	117850	Freshwater	Forested	Coastal Plain	**Wetland**	2009	36.4028777	-75.83270583			40	3.7	23.2	4	4.8	9.5	35	3.5	20.8	
CVS	117851	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.97195015	-75.65400297			34	5.5	31.9	7	5.9	15.5	32	5.3	30.2	
CVS	117852	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.8970876	-76.94517197			34	5.5	31.9	4	6.1	12.3	29	5.3	28.6	
CVS	117853	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.68588844	-77.24168829			27	6.1	31.8	3	4.3	7.5	22	6.0	27.5	
CVS	117854	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.59721647	-77.30002899			15	5.4	20.9	2	6.5	9.2	10	5.3	16.8	
CVS	117855	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.60270305	-77.29448889			21	5.5	25.1	6	5.0	12.2	17	5.3	21.8	
CVS	117856	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.62156174	-77.30174775			22	5.7	26.7	4	5.0	10.0	18	5.5	22.6	
CVS	117857	Freshwater	Forested	Coastal Plain	**Wetland**	2009	36.07227014	-75.71370158			35	5.2	30.7	23	5.4	25.8	34	5.2	30.3	
CVS	117858	Freshwater	Forested	Coastal Plain	**Wetland**	2009	36.06919343	-75.71258551			25	5.1	25.4	3	4.7	8.1	25	5.1	25.4	
CVS	117859	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	36.49671007	-75.87859448			31	5.2	29.2	3	4.0	6.9	18	4.8	20.2	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	117861	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	36.30266164	-75.97289828			8	4.9	13.8	2	4.5	6.4	7	4.6	12.1	
CVS	117862	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.27260674	-75.94345605			3	6.0	10.4	1	4.0	4.0	1	7.0	7.0	
CVS	117863	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.27269311	-75.94393583			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117864	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.27074774	-75.94483646			10	5.2	16.4	1	7.0	7.0	5	5.0	11.2	
CVS	117865	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.27097771	-75.94539588			8	5.3	14.8	1	7.0	7.0	5	4.8	10.7	
CVS	117867	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.96958079	-75.65532543			8	4.3	12.0	2	5.0	7.1	6	4.5	11.0	
CVS	117869	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.62142514	-77.30182031			18	5.4	23.1	3	4.7	8.1	12	4.9	17.0	
CVS	117870	Brackish	Shrub	Coastal Plain	**Wetland**	2009	36.52722255	-75.98836963			6	4.3	10.6	5	4.0	8.9	6	4.3	10.6	
CVS	117871	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	36.54058641	-75.97363674			13	5.4	19.4	3	5.7	9.8	9	4.6	13.7	
CVS	117872	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.04475493	-77.92084409			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117873	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.04472739	-77.92086481			6	6.3	15.5	4	6.0	12.0	1	7.0	7.0	
CVS	117874	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.24392041	-77.98246193			2	2.5	3.5	1	0.0	0.0	2	2.5	3.5	
CVS	117875	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.23775545	-77.97613377			2	6.5	9.2	2	6.5	9.2	1	6.0	6.0	
CVS	117876	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.15591394	-77.84906909			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117877	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.1557063	-77.85063441			8	6.4	18.0	2	6.5	9.2	5	5.8	13.0	
CVS	117878	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.15600228	-77.85069859			4	7.8	15.5	1	8.0	8.0	2	8.0	11.3	
CVS	117879	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.15554668	-77.85052061			5	7.8	17.4	1	7.0	7.0	3	8.0	13.9	
CVS	117881	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.34449915	-77.69577483			8	6.8	19.1	2	7.5	10.6	6	6.5	15.9	
CVS	117882	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.04809295	-77.91997317			3	3.7	6.4	2	4.5	6.4	2	2.0	2.8	
CVS	117883	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.048375	-77.92024275			1	6.0	6.0	1	6.0	6.0				all graminoids
CVS	117885	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	33.86315	-77.96039247			11	6.6	22.0	2	7.0	9.9	6	6.2	15.1	
CVS	117886	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	33.86286204	-77.96037171			7	7.3	19.3	2	7.5	10.6	4	7.3	14.5	
CVS	117888	Brackish	Shrub	Coastal Plain	**Wetland**	2009	33.8645389	-77.9603648			9	6.3	19.0	4	6.8	13.5	6	6.0	14.7	
CVS	117890	Saltwater	Shrub	Coastal Plain	**Wetland**	2009	34.31432751	-77.7055433			11	6.3	20.8	2	5.5	7.8	7	6.0	15.9	
CVS	117891	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.31433748	-77.70550016			3	7.7	13.3	1	7.0	7.0	2	8.0	11.3	
CVS	117894	Saltwater	Shrub	Coastal Plain	**Wetland**	2009	34.34774503	-77.65493605			10	5.8	18.3	3	5.7	9.8	8	5.5	15.6	
CVS	117895	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.36451488	-78.0647047			13	4.6	16.6	3	3.3	5.8	11	4.1	13.6	
CVS	117896	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	34.24682977	-77.98994583			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117899	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.67567192	-77.11938368			5	7.6	17.0	1	7.0	7.0	3	7.7	13.3	
CVS	117900	Freshwater	Forested	Coastal Plain	**Wetland**	2009	35.96023887	-76.72205593			36	4.4	26.3	5	4.8	10.7	27	4.1	21.1	
CVS	117901	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.96042573	-76.72222632			15	3.7	14.5	12	3.3	11.5	14	3.7	13.9	
CVS	117902	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.95305135	-76.72601325			38	3.8	23.5	4	6.5	13.0	35	3.7	21.6	
CVS	117903	Brackish	Forested	Coastal Plain	**Wetland**	2009	35.95316014	-76.72597126			21	5.0	22.8	5	5.0	11.2	18	5.0	21.1	
CVS	117904	Saltwater	Shrub	Coastal Plain	**Wetland**	2009	34.71033559	-76.67690048			14	4.4	16.6	3	5.7	9.8	11	4.1	13.6	
CVS	117906	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.70990906	-76.67447885			4	6.5	13.0	1	6.0	6.0	3	6.3	11.0	
CVS	117908	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.71067331	-76.6772567			5	7.4	16.5	1	7.0	7.0	2	7.5	10.6	
CVS	117909	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.71052564	-76.67684972			14	6.0	22.4	3	7.3	12.7	8	6.0	17.0	
CVS	117935	Saltwater	Forested	Coastal Plain	**Wetland**	2009	35.80578253	-75.55435316			10	5.5	17.4	4	5.5	11.0	8	5.1	14.5	
CVS	117936	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.80561455	-75.55363257			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117940	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	35.77869814	-75.54248109			7	7.3	19.3	1	8.0	8.0	3	8.0	13.9	
CVS	117941	Brackish	Shrub	Coastal Plain	**Wetland**	2009	35.7785901	-75.54244716			7	7.1	18.9	2	7.5	10.6	4	7.3	14.5	
CVS	117947	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53548726	-77.34645998			9	7.0	21.0	5	6.8	15.2	5	6.8	15.2	
CVS	117948	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53539611	-77.34651189			1	7.0	7.0	1	7.0	7.0				all graminoids
CVS	117949	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53518445	-77.34579783			3	7.0	12.1	1	7.0	7.0	1	7.0	7.0	
CVS	117950	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53422201	-77.34615211			10	6.9	21.8	3	6.7	11.5	5	6.6	14.8	
CVS	117951	Saltwater	Shrub	Coastal Plain	**Wetland**	2009	34.53420545	-77.34607539			6	7.3	18.0	1	8.0	8.0	2	7.5	10.6	
CVS	117953	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53255782	-77.34830596			3	7.3	12.7	2	7.0	9.9	2	7.5	10.6	
CVS	117954	Saltwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.53244068	-77.34783423			10	6.1	19.3	3	5.7	9.8	6	5.3	13.1	
CVS	117955	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.18427172	-75.78145965			9	5.1	15.3	2	5.0	7.1	6	4.5	11.0	
CVS	117957	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.17285219	-75.8082001			7	5.6	14.7	2	5.0	7.1	4	4.3	8.5	
CVS	117958	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	35.17292292	-75.80840945			8	6.9	19.4	2	7.0	9.9	3	6.7	11.5	
CVS	117965	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.47027872	-75.85370697			23	4.3	20.4	3	5.0	8.7	14	4.5	16.8	
CVS	117966	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.46680066	-75.85220672			23	4.5	21.7	3	5.0	8.7	14	4.4	16.6	
CVS	117967	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	36.20431776	-75.95579509			10	5.3	16.8	3	4.7	8.1	9	5.1	15.3	
CVS	117968	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	36.17516956	-75.93085559			6	5.8	14.3	3	7.0	12.1	5	5.6	12.5	
CVS	117969	Brackish	Herbaceous	Coastal Plain	**Wetland**	2009	36.2590741	-75.95492563			11	3.9	13.0	1	7.0	7.0	8	4.0	11.3	
CVS	118114	Brackish	Shrub	Coastal Plain	**Wetland**	2009	35.43672383	-76.39682706			4	7.0	14.0	1	7.0	7.0	1	6.0	6.0	
CVS	118115	Freshwater	Forested	Piedmont	**Wetland**	2009	35.3670644	-80.75010561			37	4.7	28.9	4	5.5	11.0	26	4.7	23.8	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	118119	Freshwater	Herbaceous	Piedmont	**Wetland**	2009	35.45062525	-80.46709053			19	4.1	17.8	2	2.5	3.5	16	4.4	17.6	
CVS	118130	Freshwater	Shrub	Piedmont	**Wetland**	2009	35.45082308	-80.46696801			13	4.6	16.5	2	5.0	7.1	11	5.0	16.4	
CVS	118136	Freshwater	Forested	Piedmont	**Wetland**	2009	35.44079045	-80.38419031			19	4.5	19.7	10	4.5	14.1	14	4.4	16.4	
CVS	118145	Freshwater	Forested	Piedmont	**Wetland**	2009	35.37512422	-80.10234533			25	4.7	23.3	2	6.5	9.2	18	4.5	19.2	
CVS	118148	Freshwater	Herbaceous	Piedmont	**Wetland**	2009	35.45008461	-80.46717123			36	3.8	22.8	9	3.2	9.7	26	3.8	19.1	
CVS	118161	Freshwater	Forested	Piedmont	**Wetland**	2009	35.04474883	-80.79374359			42	4.7	30.2	26	4.5	22.8	31	4.4	24.6	
CVS	118168	Freshwater	Forested	Piedmont	**Wetland**	2009	35.36700087	-80.74990766			23	4.4	21.1	3	6.7	11.5	20	4.3	19.0	
CVS	120015	Freshwater	Forested	Piedmont	**Wetland**	2010	35.28655097	-81.10200983			50	4.7	33.3	19	4.9	21.3	49	4.6	32.5	
CVS	120016	Freshwater	Forested	Piedmont	**Wetland**	2010	35.31022812	-81.11376595			52	4.5	32.3	21	4.8	22.1	50	4.5	31.8	
CVS	120017	Freshwater	Forested	Piedmont	**Wetland**	2010	35.30234474	-81.09589203			27	3.9	20.3	6	3.2	7.8	23	3.8	18.0	
CVS	120071	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.69934538	-77.24968157			77	6.1	53.6	10	5.6	17.6	64	6.0	48.3	
CVS	120073	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.5	-77.7			59	6.7	51.6	7	6.9	18.1	47	6.9	47.0	
CVS	120075	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2009	34.1	-78.3			77	6.5	57.3	15	6.9	26.6	64	6.6	52.9	
CVS	120082	Freshwater	Forested	Coastal Plain	**Wetland**	2009	34.61730882	-77.31400745			80	5.8	51.9	16	5.9	23.5	66	5.8	47.4	
CVS	120091	Freshwater	Forested	Piedmont	**Wetland**	2010	36.40118825	-78.84493437			118	4.8	52.2	59	4.8	36.9	106	4.7	48.9	
CVS	120098	Freshwater	Forested	Piedmont	**Wetland**	2010	36.4116031	-78.7802484			60	5.3	41.1	30	5.3	29.0	48	5.1	35.2	
CVS	120105	Freshwater	Forested	Piedmont	**Wetland**	2010	36.29132455	-79.4326439			110	4.4	46.4	55	4.4	32.8	94	4.5	43.4	
CVS	120110	Freshwater	Forested	Piedmont	**Wetland**	2010	36.41075157	-78.75495991			132	4.9	56.5	66	4.9	39.9	114	4.9	52.4	
CVS	120112	Freshwater	Forested	Piedmont	**Wetland**	2010	36.52091191	-79.2822384			64	4.1	33.0	32	4.1	23.3	54	3.9	28.8	
CVS	120123	Freshwater	Forested	Piedmont	**Wetland**	2010	36.2855166	-79.03086554			50	5.1	36.2	25	5.1	25.6	44	4.9	32.6	
CVS	120125	Freshwater	Forested	Piedmont	**Wetland**	2010	36.53026418	-78.99127163			138	5.0	58.8	69	5.0	41.6	130	4.9	56.2	
CVS	120126	Freshwater	Forested	Piedmont	**Wetland**	2010	36.43905703	-78.97693712			170	5.0	64.7	84	5.0	45.5	136	4.9	57.3	
CVS	120156	Freshwater	Forested	Mountains	**Maybe wetland**	2010	35.34155146	-83.35130384			15	6.4	24.9	4	7.1	14.3	15	6.4	24.9	
CVS	120167	Freshwater	Forested	Mountains	**Wetland**	2010	35.62254872	-82.59222301			38	4.0	24.7	3	4.7	8.1	29	3.8	20.4	
CVS	120170	Freshwater	Shrub	Mountains	**Wetland**	2010	35	-83.8			31	5.7	31.8	7	5.9	15.5	22	6.1	28.6	
CVS	120773	Freshwater	Forested	Piedmont	**Wetland**	2011	35.97690085	-79.10304116			83	4.5	40.8	10	4.6	14.5	69	4.4	36.2	
CVS	120785	Freshwater	Forested	Piedmont	**Wetland**	2011	36.18252003	-78.87778295			49	4.4	31.1	31	4.2	23.5	43	4.4	29.0	
CVS	120787	Freshwater	Herbaceous	Piedmont	**River**	2011	36.18258605	-78.87794795			1	5.0	5.0	1	5.0	5.0	1	5.0	5.0	
CVS	120788	Freshwater	Herbaceous	Piedmont	**River**	2011	36.18256147	-78.87707023			7	4.3	11.3	3	4.7	8.1	6	4.0	9.8	
CVS	120790	Freshwater	Forested	Piedmont	**Wetland**	2011	35.75053049	-79.49752153			43	4.7	30.5	8	4.8	13.4	39	4.6	28.5	
CVS	120791	Freshwater	Forested	Piedmont	**Wetland**	2011	35.94970369	-78.97398199			46	4.6	31.3	9	5.2	15.5	40	4.6	29.2	
CVS	120792	Freshwater	Forested	Piedmont	**Wetland**	2011	35.95166414	-78.979586			28	4.2	22.1	6	5.3	13.1	23	4.1	19.6	
CVS	120821	Freshwater	Forested	Piedmont	**Wetland**	2011	35.93350889	-78.97848543			50	4.7	33.0	18	4.7	20.0	43	4.7	31.0	
CVS	121076	Freshwater	Forested	Coastal Plain	**Wetland**	2007	35.03958691	-77.04240951			17	5.5	22.8	5	4.6	10.3	15	5.4	20.9	
CVS	121137	Freshwater	Forested	Coastal Plain	**Upland**	2010	34.76483423	-76.95695436			49	6.6	46.1	3	6.7	11.5	39	6.6	41.5	
CVS	121148	Freshwater	Forested	Coastal Plain	**Wetland**	2010	34.5	-77.7			52	6.7	48.1	3	7.3	12.7	42	6.8	44.2	
CVS	121149	Freshwater	Forested	Coastal Plain	**Wetland**	2010	34.5	-77.7			63	6.7	53.5	5	6.6	14.8	46	6.8	46.2	
CVS	121150	Freshwater	Shrub	Coastal Plain	**Wetland**	2010	34.1	-78.3			73	6.7	57.1	4	7.3	14.5	60	6.8	52.4	
CVS	121151	Freshwater	Shrub	Coastal Plain	**Wetland**	2010	34.1	-78.3			83	6.7	61.0	3	8.0	13.9	66	6.8	55.1	
CVS	121152	Freshwater	Forested	Coastal Plain	**Wetland**	2010	34.5	-77.7			59	6.6	51.0	6	7.2	17.6	44	6.8	44.8	
CVS	121157	Freshwater	Shrub	Coastal Plain	**Wetland**	2011	34.1	-78.3			81	6.8	61.3	3	6.5	11.3	61	6.8	52.9	
CVS	121158	Freshwater	Shrub	Coastal Plain	**Wetland**	2011	34.1	-78.3			76	6.6	57.6	4	7.3	14.5	59	6.7	51.1	
CVS	121159	Freshwater	Shrub	Coastal Plain	**Wetland**	2011	34.1	-78.3			58	6.7	50.7	4	7.3	14.5	45	6.7	44.9	
CVS	121160	Freshwater	Shrub	Coastal Plain	**Wetland**	2011	34.1	-78.3			81	6.7	60.7	4	7.0	14.0	62	6.7	52.8	
CVS	121161	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.1	-78.3			75	6.8	58.6	7	7.1	18.9	61	6.8	53.2	
CVS	121162	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.1	-78.3			82	6.8	61.4	6	7.5	18.4	64	6.8	54.3	
CVS	121163	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.1	-78.3			75	6.6	57.3	9	5.9	17.8	58	6.7	50.7	
CVS	121164	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.1	-78.3			83	6.8	61.6	3	6.5	11.3	62	6.8	53.3	
CVS	121425	Freshwater	Forested	Piedmont	**Unknown**	2010	36.00990014	-78.96993806			40	4.6	29.0	10	3.3	10.4	38	4.7	29.0	
CVS	121428	Freshwater	Forested	Piedmont	**Unknown**	2010	36.01594381	-78.99039828			36	5.0	30.2	5	3.9	8.7	34	5.0	29.3	
CVS	121443	Freshwater	Forested	Piedmont	**Unknown**	2010	35.98043844	-79.00049616			50	5.0	35.3	10	5.3	16.6	48	4.9	34.3	
CVS	121454	Freshwater	Forested	Piedmont	**Wetland**	2010	35.98038826	-79.00409578			61	4.5	35.1	13	3.9	14.0	57	4.6	34.8	
CVS	121457	Freshwater	Forested	Piedmont	**Wetland**	2010	35.99208434	-79.00274732			65	4.5	36.5	4	1.8	3.5	57	4.6	34.4	
CVS	121496	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.71015236	-77.18529462			40	5.3	33.5	8	4.1	11.7	33	5.1	29.1	
CVS	121497	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.2199114	-77.37890895			41	4.9	31.5	6	5.2	12.7	41	4.9	31.5	
CVS	121498	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.42403006	-76.90165816			64	5.2	41.4	34	5.5	32.1	59	5.1	39.4	
CVS	121499	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.93803085	-77.02552374			14	7.2	27.0	5	7.2	16.1	13	7.2	26.1	
CVS	121505	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.71968236	-77.52192044			24	5.0	24.5	5	5.2	11.6	22	4.8	22.6	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	121508	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.7148331	-77.50985319			42	4.4	28.5	3	4.7	8.1	34	4.1	23.8	
CVS	121509	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.46983371	-77.00698516			39	5.2	32.3	13	5.5	20.0	38	5.2	32.0	
CVS	121510	Brackish	Forested	Coastal Plain	**Wetland**	2012	35.46794239	-77.00904289			50	5.1	36.1	7	5.6	14.7	47	5.0	34.6	
CVS	121513	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.87228326	-77.53377147			55	4.9	36.1	3	5.7	9.8	42	4.6	30.1	
CVS	121514	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.21904812	-77.37788412			40	4.7	29.7	7	5.1	13.6	40	4.7	29.7	
CVS	121516	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.62244376	-77.43520331			47	5.1	34.9	28	4.9	26.1	44	5.1	34.1	
CVS	121517	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.23662399	-77.8820855			60	4.6	35.5	4	3.8	7.5	54	4.5	33.3	
CVS	121518	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.70939037	-77.1840691			21	4.6	21.2	13	4.2	15.3	19	4.5	19.5	
CVS	121519	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.71219435	-77.18602461			32	4.8	27.4	21	4.6	21.2	27	4.7	24.4	
CVS	121521	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.24194084	-77.88439414			45	5.0	33.7	4	6.3	12.5	34	4.8	28.0	
CVS	121522	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.20914978	-77.92012147			21	5.8	26.4	4	5.8	11.5	21	5.8	26.4	
CVS	121525	Freshwater	Forested	Coastal Plain	**Wetland**	2012	35.6220535	-77.43533499			77	4.6	40.6	3	5.7	9.8	69	4.7	39.0	
CVS	121526	Freshwater	Shrub	Coastal Plain	**Wetland**	2012	34.9447799	-77.02628101			13	7.3	26.3	4	6.5	13.0	12	7.3	25.1	
CVS	131590	Freshwater	Forested	Piedmont	**Maybe wetland**	2004	35.47941864	-79.94799801			43	5.4	35.2	6	6.0	14.7	38	5.6	34.2	
CVS	131596	Freshwater	Forested	Piedmont	**Wetland**	2004	35.43484032	-80.03114649			63	4.6	36.5	6	4.1	10.0	56	4.5	34.0	
CVS	131602	Freshwater	Forested	Piedmont	**Wetland**	2004	35.29817104	-79.89638695			28	5.1	26.9	8	5.0	14.1	21	5.3	24.4	
CVS	131604	Freshwater	Forested	Piedmont	**Wetland**	2004	35.36992013	-79.97306057			30	4.7	25.9	7	4.9	12.9	24	4.8	23.7	
CVS	131611	Freshwater	Forested	Piedmont	**Wetland**	2013	35.3324503	-80.0437318			49	5.3	37.0	3	6.8	11.8	30	5.1	28.1	
CVS	131613	Freshwater	Forested	Piedmont	**Wetland**	2013	35.36986511	-79.97297206			36	5.4	32.7	7	4.4	11.7	26	5.2	26.6	
CVS	131614	Freshwater	Forested	Piedmont	**Wetland**	2013	35.36987468	-79.97303799			34	5.3	31.0	8	5.9	16.8	27	5.4	28.0	
CVS	131617	Freshwater	Forested	Piedmont	**Maybe wetland**	2013	35.33053821	-79.95332417			59	5.0	38.7	30	4.9	26.9	55	5.0	36.9	
CVS	131621	Freshwater	Forested	Piedmont	**Maybe wetland**	2013	35.64260376	-79.76186845			62	5.1	40.1	9	5.0	15.0	60	5.1	39.2	
CVS	131634	Freshwater	Forested	Piedmont	**Wetland**	2013	35.43514659	-79.91859134			42	5.7	36.8	4	4.8	9.5	38	5.6	34.5	
CVS	131637	Freshwater	Forested	Piedmont	**Maybe wetland**	2013	35.43586727	-79.91651055			39	5.4	33.7	3	4.7	8.1	37	5.3	32.3	
CVS	131638	Freshwater	Forested	Piedmont	**Wetland**	2013	35.43505186	-79.91908836			35	5.5	32.5	4	6.0	12.0	34	5.5	32.0	
CVS	131682	Freshwater	Forested	Mountains	**Maybe wetland**	2013	35.51418274	-81.93699188			49	5.2	36.4	29	4.9	26.6	42	5.3	34.2	
CVS	131687	Freshwater	Forested	Piedmont	**Wetland**	2013	35.88922472	-80.80794108			29	4.1	22.2	4	3.0	6.0	21	3.9	18.0	
CVS	132049	Freshwater	Forested	Mountains	**River**	2003	36	-82			17	5.4	22.3	9	5.4	16.2	17	5.4	22.3	
CVS	132051	Freshwater	Shrub	Mountains	**Wetland**	2003	36	-82			20	5.9	26.2	2	6.5	9.2	15	6.1	23.5	
CVS	133289	Freshwater	Shrub	Mountains	**Wetland**	2008	36.20195398	-81.97612204			42	4.5	29.3	7	4.1	11.0	38	4.7	29.2	
CVS	133315	Freshwater	Herbaceous	Mountains	**Wetland**	2008	35.04089523	-83.56271117			16	6.3	25.1	4	6.1	12.3	13	6.3	22.6	
CVS	133375	Freshwater	Herbaceous	Mountains	**Wetland**	2008	35.41343273	-83.77331866			13	5.9	21.4	6	6.2	15.1	11	5.9	19.6	
CVS	133426	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65473808	-77.9874713			21	5.9	26.8	5	5.4	12.1	18	6.0	25.5	
CVS	133427	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65473808	-77.9874713			32	5.4	30.5	7	5.4	14.4	29	5.4	29.1	
CVS	133428	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65661783	-77.98653527			36	5.9	35.3	6	5.7	13.9	31	5.9	32.9	
CVS	133429	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65661783	-77.98653527			38	5.9	36.7	8	6.1	17.3	30	6.2	34.0	
CVS	133430	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65614793	-77.98658385			37	5.8	35.3	7	5.3	14.0	29	5.9	32.0	
CVS	133431	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65614793	-77.98658385			32	5.8	32.5	6	5.3	13.1	22	6.0	27.9	
CVS	133432	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65713516	-77.98639023			37	6.0	36.2	8	6.4	18.0	31	6.0	33.7	
CVS	133433	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65713516	-77.98639023			43	6.0	39.6	12	5.4	18.8	32	6.2	35.2	
CVS	133434	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65748833	-77.98595567			43	6.4	42.2	9	6.6	19.7	32	6.5	36.8	
CVS	133435	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65748833	-77.98595567			40	6.5	41.3	13	5.8	21.1	30	6.5	35.8	
CVS	133436	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65767584	-77.98602785			34	6.5	37.7	8	6.0	17.0	29	6.6	35.3	
CVS	133437	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65767584	-77.98602785			41	6.7	42.6	8	6.0	17.0	32	6.8	38.2	
CVS	133438	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.66187443	-77.9934438			36	6.1	36.8	12	5.8	20.2	28	6.3	33.1	
CVS	133439	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.66187443	-77.9934438			46	6.0	41.0	7	5.3	14.0	34	6.2	36.0	
CVS	133440	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.66163975	-77.99345717			38	6.3	39.1	7	6.0	15.9	27	6.4	33.3	
CVS	133441	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.66163975	-77.99345717			43	6.2	40.9	8	6.4	18.0	30	6.5	35.4	
CVS	133442	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65957154	-77.99472446			37	6.5	39.8	23	6.6	31.7	28	6.7	35.5	
CVS	133443	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65957154	-77.99472446			31	6.3	35.2	20	6.2	27.5	21	6.3	29.0	
CVS	133444	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6599011	-77.99451816			43	6.4	42.2	7	6.1	16.3	32	6.7	38.0	
CVS	133445	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6599011	-77.99451816			34	5.9	34.5	9	5.6	16.7	27	6.1	31.8	
CVS	133446	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2005	34.42527156	-77.73711677			52	6.3	45.8	12	6.3	21.7	34	6.5	37.7	
CVS	133447	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2005	34.42527156	-77.73711677			50	6.3	44.8	14	6.1	22.7	33	6.5	37.3	
CVS	133448	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.4	-77.7			51	6.5	46.4	12	5.4	18.8	37	6.5	39.4	
CVS	133449	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2005	34.42498963	-77.73762975			40	6.3	39.7	9	5.2	15.7	28	6.4	33.6	
CVS	133450	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43635899	-77.66619142			36	5.9	35.3	10	5.5	17.4	24	6.1	29.9	
CVS	133451	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43635899	-77.66619142			38	5.6	34.5	11	5.6	18.7	32	5.5	31.2	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	133452	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43512593	-77.7221193			30	5.9	32.5	8	6.0	17.0	28	5.9	31.0	
CVS	133453	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43512593	-77.7221193			35	5.6	33.4	8	6.4	18.0	30	5.6	30.4	
CVS	133454	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.43058445	-77.72243976			27	5.6	29.3	13	5.5	20.0	25	5.5	27.7	
CVS	133455	Freshwater	Forested	Coastal Plain	**Wetland**	2005	34.43058445	-77.72243976			32	5.7	32.0	7	5.1	13.6	26	5.8	29.6	
CVS	133456	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43619779	-77.66614278			34	5.6	32.6	8	5.5	15.6	27	5.8	30.0	
CVS	133457	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.43619779	-77.66614278			41	5.7	36.2	8	5.9	16.6	30	5.8	32.0	
CVS	133458	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65575016	-77.98626415			40	5.7	36.3	10	5.1	16.1	34	5.8	33.5	
CVS	133459	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65575016	-77.98626415			41	6.1	38.9	11	5.7	19.0	32	6.1	34.3	
CVS	133460	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65867194	-77.98767804			46	5.8	39.5	10	5.3	16.8	35	5.8	34.6	
CVS	133461	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65867194	-77.98767804			34	5.9	34.5	19	6.1	26.6	28	5.8	30.8	
CVS	133462	Freshwater	Forested	Coastal Plain	**Probably not**	2005	34.58496034	-77.92777316			29	6.1	33.1	4	5.3	10.5	24	6.0	29.6	
CVS	133463	Freshwater	Forested	Coastal Plain	**Probably not**	2005	34.58496034	-77.92777316			46	5.8	39.4	8	6.0	17.0	36	5.8	35.0	
CVS	133464	Freshwater	Forested	Coastal Plain	**Probably not**	2005	34.65214045	-77.98349497			40	6.0	37.6	13	5.8	21.1	29	6.2	33.4	
CVS	133465	Freshwater	Forested	Coastal Plain	**Probably not**	2005	34.65214045	-77.98349497			49	6.0	41.9	9	6.7	20.0	34	6.1	35.8	
CVS	133466	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6515907	-77.98422786			44	6.3	42.1	13	6.5	23.3	33	6.5	37.6	
CVS	133467	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6515907	-77.98422786			48	6.3	43.3	8	5.0	14.1	34	6.4	37.6	
CVS	133468	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6513041	-77.98562463			44	6.4	42.5	11	6.2	20.5	33	6.8	38.8	
CVS	133469	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.6513041	-77.98562463			33	6.1	34.8	10	6.5	20.4	28	6.1	32.3	
CVS	133470	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65073982	-77.98474271			32	5.9	33.6	10	5.6	17.6	28	5.9	31.4	
CVS	133471	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65073982	-77.98474271			38	6.0	37.0	11	6.1	20.4	31	6.2	34.3	
CVS	133472	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.64910039	-77.98396403			30	6.3	34.2	4	6.3	12.5	27	6.3	32.8	
CVS	133473	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.64910039	-77.98396403			24	6.0	29.3	9	5.9	17.7	19	6.2	27.0	
CVS	133474	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65155674	-77.98156524			34	6.1	35.5	11	5.8	19.3	24	6.3	31.0	
CVS	133475	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65155674	-77.98156524			33	5.9	34.1	7	6.0	15.9	26	6.3	32.0	
CVS	133476	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65101232	-77.98060771			17	6.1	25.0	3	6.3	11.0	14	6.1	22.7	
CVS	133477	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65101232	-77.98060771			24	6.0	29.6	9	5.8	17.3	18	6.2	26.2	
CVS	133478	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65040122	-77.9823746			38	6.6	40.5	9	6.3	19.0	31	6.7	37.3	
CVS	133479	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.65040122	-77.9823746			33	6.4	37.0	7	6.7	17.8	28	6.4	33.9	
CVS	133480	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.64971665	-77.98309175			25	6.2	31.0	4	6.5	13.0	21	6.4	29.2	
CVS	133481	Freshwater	Forested	Coastal Plain	**Unknown**	2005	34.64971665	-77.98309175			34	6.3	36.7	6	6.8	16.7	26	6.4	32.8	
CVS	133806	Freshwater	Forested	Mountains	**Upland**	2003	35.92379082	-81.91343337			28	5.1	27.0	2	5.0	7.1	28	5.1	27.0	
CVS	133809	Freshwater	Forested	Mountains	**Upland**	2003	35.82500473	-81.88539512			25	5.4	27.1	3	6.3	11.0	25	5.4	27.1	
CVS	133852	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4334	-77.7181			46	6.9	46.5	8	7.4	20.9	36	6.8	40.8	
CVS	133853	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			54	6.9	50.6	19	6.8	29.5	42	6.7	43.6	
CVS	133854	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			50	6.9	48.6	9	7.4	22.3	39	6.6	41.4	
CVS	133855	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			32	6.7	38.1	4	7.5	15.0	25	6.5	32.3	
CVS	133856	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			39	6.7	41.7	6	7.3	18.0	31	6.5	36.0	
CVS	133859	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			51	7.0	50.1	7	7.1	18.9	43	7.0	46.1	
CVS	133860	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4	-77.7			49	7.0	49.3	13	7.2	25.8	39	7.0	43.7	
CVS	133862	Saltwater	Herbaceous	Coastal Plain	**Wetland**	1985	34.4	-77.6			39	7.0	44.0	8	6.1	17.3	30	6.8	37.2	
CVS	133863	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.5	-77.7			29	6.6	35.7	2	7.5	10.6	22	6.4	30.2	
CVS	133864	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.5361	-77.7153			21	6.6	30.2	3	7.7	13.3	14	6.6	24.7	
CVS	133867	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.6	-77.7			56	7.0	52.4	9	7.2	21.7	42	7.0	45.5	
CVS	133868	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.6	-77.7			50	7.1	50.3	18	7.2	30.4	35	7.1	42.3	
CVS	133870	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.4514	-77.7736			50	6.8	48.2	7	5.1	13.6	39	6.7	41.8	
CVS	133871	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.45	-77.7722			39	6.9	43.1	2	8.0	11.3	32	6.8	38.5	
CVS	133872	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.7653	-77.9667			31	6.6	36.7	3	7.3	12.7	27	6.3	32.6	
CVS	133873	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.7653	-77.9639			34	6.6	38.7	3	7.3	12.7	29	6.3	33.7	
CVS	133882	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.3			65	7.0	56.2	14	6.7	25.1	49	7.0	48.8	
CVS	133883	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.2			61	6.9	54.0	11	7.3	24.1	49	6.8	47.9	
CVS	133884	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.3			66	6.8	54.8	25	7.0	35.0	52	6.7	48.1	
CVS	133885	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.0897	-78.2936			45	6.8	45.5	4	6.6	13.3	37	6.8	41.2	
CVS	133888	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.3			53	6.9	50.0	10	7.0	22.1	41	6.8	43.6	
CVS	133889	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.2			53	6.8	49.2	17	7.2	29.6	41	6.6	42.6	
CVS	133890	Freshwater	Shrub	Coastal Plain	**Wetland**	1985	34.1	-78.2			54	6.9	50.8	21	7.3	33.6	41	6.7	42.9	
CVS	133892	Freshwater	Forested	Coastal Plain	**Wetland**	1985	34.9458	-77.0283			23	6.5	31.2	3	7.3	12.7	20	6.2	27.8	
CVS	133900	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.79262642	-75.87844602			14	5.9	21.9	3	7.3	12.7	13	5.7	20.5	
CVS	133901	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.87454288	-76.35957845			48	5.2	35.9	21	5.0	23.1	45	5.1	34.0	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	133902	Brackish	Forested	Coastal Plain	**Wetland**	2014	35.92067941	-75.66506368			27	4.4	22.6	12	3.8	13.1	26	4.3	21.7	
CVS	133904	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.61129394	-75.92328397			14	5.9	21.9	6	6.8	16.7	14	5.9	21.9	
CVS	133905	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.71216177	-76.19063293			26	4.8	24.6	7	4.4	11.7	24	4.8	23.4	
CVS	133907	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.97034107	-75.65147204			26	5.0	25.3	4	4.5	9.0	24	4.8	23.7	
CVS	133909	Freshwater	Forested	Coastal Plain	**Maybe wetland**	2014	35.25774533	-75.57659471			24	4.6	22.8	14	4.4	16.3	22	4.6	21.6	
CVS	133910	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.23481901	-75.6161063			16	4.9	19.8	2	6.5	9.2	11	4.7	15.7	
CVS	133911	Brackish	Herbaceous	Coastal Plain	**Wetland**	2014	35.23294875	-75.53741651			17	4.8	19.6	3	3.8	6.6	11	4.4	14.6	
CVS	133912	Brackish	Herbaceous	Coastal Plain	**Wetland**	2014	35.25380939	-75.53027706			20	5.1	22.6	5	4.6	10.3	18	4.9	21.0	
CVS	133914	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2004	35.72448139	-76.19385672			35	4.9	28.7	23	4.5	21.7	29	4.8	26.0	
CVS	133915	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2014	35.79550914	-75.88369005			13	5.9	21.4	5	5.0	11.2	11	5.7	19.0	
CVS	133919	Freshwater	Forested	Coastal Plain	**Wetland**	2014	36.08154329	-75.72038267			33	5.1	29.2	17	5.4	22.1	32	5.0	28.3	
CVS	133932	Freshwater	Shrub	Coastal Plain	**Wetland**	2014	35.05571673	-79.13330276			22	5.4	25.5	5	5.6	12.5	17	5.5	22.7	
CVS	133933	Freshwater	Shrub	Coastal Plain	**Wetland**	2014	35.0695212	-79.28732607			27	5.1	26.6	5	5.0	11.2	23	5.0	24.0	
CVS	133934	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.08949668	-79.29344596			39	5.5	34.1	6	5.8	14.3	38	5.4	33.3	
CVS	133935	Freshwater	Forested	Coastal Plain	**Wetland**	2014	35.16478827	-79.32834688			25	5.0	25.2	7	4.4	11.7	25	5.0	25.2	
CVS	133936	Freshwater	Shrub	Coastal Plain	**Wetland**	2014	34.9747152	-79.46581235			33	5.5	31.6	5	6.2	13.9	28	5.5	29.0	
CVS	133937	Freshwater	Herbaceous	Coastal Plain	**Wetland**	2014	34.98003048	-79.46760836			17	5.1	20.9	3	3.8	6.6	16	5.1	20.3	
CVS	133940	Freshwater	Forested	Coastal Plain	**Wetland**	2014	34.95157574	-79.03894487			35	5.6	33.1	7	5.7	15.1	35	5.6	33.1	
CVS	133941	Freshwater	Forested	Coastal Plain	**Wetland**	2014	34.2597344	-78.47608533			27	5.9	30.9	5	7.4	16.5	26	5.9	29.9	
CVS	133942	Freshwater	Forested	Coastal Plain	**Wetland**	2014	34.99329562	-79.43946602			33	6.2	35.7	8	7.0	19.8	25	6.3	31.4	
CVS	133945	Freshwater	Forested	Piedmont	**Maybe wetland**	2014	35.14679922	-80.46646588			48	4.4	30.6	18	3.7	15.7	42	4.4	28.2	
CVS	133947	Freshwater	Shrub	Piedmont	**Wetland**	2014	35.19057557	-80.06476151			30	4.1	22.5	6	3.2	7.8	25	4.0	20.2	
CVS	133948	Freshwater	Herbaceous	Piedmont	**Wetland**	2014	35.18706523	-80.06439535			15	3.5	13.7	3	2.7	4.6	10	3.4	10.8	
CVS	133949	Freshwater	Shrub	Piedmont	**Wetland**	2014	35.32012656	-79.9704001			9	5.1	15.2	4	5.8	11.5	7	5.1	13.4	
CVS	133952	Freshwater	Forested	Mountains	**Wetland**	2014	35.35075985	-83.81590516			38	5.7	35.0	7	6.3	16.6	35	5.6	33.1	
CVS	133954	Freshwater	Shrub	Mountains	**Wetland**	2014	35.27250374	-83.69701708			31	5.1	28.3	3	4.0	6.9	25	5.1	25.3	
CVS	133962	Freshwater	Forested	Mountains	**Wetland**	2014	35.13378069	-84.15328808			73	5.6	48.0	3	4.7	8.1	65	5.6	45.5	
CVS	133965	Freshwater	Forested	Mountains	**Wetland**	2014	35.41728405	-83.8623716			58	5.3	40.6	6	6.0	14.7	51	5.2	37.2	
CVS	133970	Freshwater	Forested	Mountains	**Wetland**	2014	35.3517955	-83.81555608			32	5.7	32.3	5	5.6	12.5	27	5.5	28.8	
CVS	133972	Freshwater	Forested	Mountains	**Wetland**	2014	35.27305074	-83.70400368			30	5.9	32.0	3	5.7	9.8	26	5.8	29.3	
CVS	133974	Freshwater	Forested	Mountains	**Wetland**	2014	35.12936079	-84.1542978			85	5.1	46.7	12	4.3	14.9	67	4.9	40.4	
CVS	133976	Freshwater	Herbaceous	Mountains	**Wetland**	2014	35.27735695	-83.99870455			34	6.2	36.2	4	7.3	14.5	27	6.2	32.3	
CVS	144102	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97697468	-79.08560909			52	4.4	32.0	5	4.2	9.4	47	4.5	30.6	
CVS	144103	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97836599	-79.09671808			39	4.7	29.6	5	3.2	7.2	38	4.8	29.4	
CVS	144104	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97928597	-79.09712953			62	4.6	36.0	7	4.1	11.0	57	4.6	35.1	
CVS	144105	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97879898	-79.09902995			44	4.7	30.9	10	5.0	15.7	43	4.7	30.7	
CVS	144106	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97828116	-79.09927949			43	4.7	31.1	7	4.2	11.1	41	4.7	30.1	
CVS	144107	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97644031	-79.09076685			38	4.7	29.1	16	4.7	18.6	35	4.6	27.5	
CVS	144108	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98227306	-79.08750342			31	4.9	27.4	3	5.2	8.9	30	5.0	27.1	
CVS	144109	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98266203	-79.08683422			30	4.9	27.0	3	5.2	8.9	29	5.0	26.7	
CVS	144110	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98100773	-79.08639844			43	4.7	30.7	5	4.6	10.3	40	4.7	29.4	
CVS	144111	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98001423	-79.08827428			50	4.7	33.4	5	4.0	8.9	47	4.8	32.9	
CVS	144112	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97905889	-79.08631272			70	4.6	38.7	6	4.2	10.2	63	4.7	37.1	
CVS	144114	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97932922	-79.09616806			57	4.6	34.7	25	4.4	22.1	53	4.7	34.1	
CVS	144116	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97616231	-79.08813419			39	4.1	25.5	4	3.0	6.0	36	4.2	25.0	
CVS	144117	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97358068	-79.09941129			54	4.8	35.4	25	4.8	24.0	52	4.8	34.5	
CVS	144118	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97317062	-79.102874			42	4.8	30.9	4	4.8	9.5	38	4.8	29.5	
CVS	144119	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97704442	-79.1002929			60	4.6	35.3	10	3.9	12.3	55	4.6	33.9	
CVS	144120	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97582329	-79.10116261			49	4.7	32.9	6	3.5	8.6	45	4.8	31.9	
CVS	144121	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98568184	-79.08858013			50	4.5	31.9	26	4.4	22.4	47	4.7	31.9	
CVS	144123	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98759156	-79.08715406			55	4.8	35.5	31	4.7	26.2	53	4.8	35.2	
CVS	144124	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98751619	-79.08790546			51	4.9	34.9	5	3.5	7.8	48	4.9	33.7	
CVS	144126	Freshwater	Forested	Piedmont	**Unknown**	2015	35.99101125	-79.08768124			41	4.5	28.5	17	3.4	14.2	38	4.6	28.1	
CVS	144127	Freshwater	Forested	Piedmont	**Unknown**	2015	35.99028842	-79.09015399			69	4.5	37.7	6	4.9	12.0	63	4.6	36.6	
CVS	144128	Freshwater	Forested	Piedmont	**Unknown**	2015	35.98885437	-79.09001859			22	4.6	21.4	5	3.6	8.0	21	4.6	21.1	
CVS	144129	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97929799	-79.10234423			77	4.5	39.3	41	4.2	27.1	70	4.5	37.6	
CVS	144130	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97874188	-79.10017607			52	4.8	34.5	10	4.6	14.5	50	4.8	33.6	
CVS	144131	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97539039	-79.10408838			51	4.7	33.3	11	4.4	14.6	48	4.7	32.7	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
CVS	144132	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97811815	-79.10352385			50	4.7	33.0	6	4.7	11.4	46	4.7	32.1	
CVS	144133	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97529091	-79.10692212			53	4.9	35.5	13	4.4	15.8	51	5.0	35.6	
CVS	144134	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97439819	-79.1087988			56	4.8	35.5	25	4.7	23.3	53	4.7	34.2	
CVS	144135	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97692742	-79.10656672			56	4.6	34.5	4	4.0	8.0	51	4.7	33.6	
CVS	144136	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97666612	-79.10823388			52	4.9	35.4	7	4.8	12.7	50	4.9	34.5	
CVS	144137	Freshwater	Forested	Piedmont	**Unknown**	2015	35.97878384	-79.10756324			59	4.6	35.5	7	4.0	10.6	54	4.7	34.4	
NCSU	Black Ankle Non-Powerline (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	35.50270388	-79.8195357			50	4.8	33.7	4	5.3	10.5	40	4.8	30.4	
NCSU	Char - SE1004 revisit	Freshwater	Forested	Piedmont	Wetland	2016	35.371551	-80.70159251			32	3.7	20.7	5	3.2	7.2	28	3.6	18.9	
NCSU	Dargan (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	36.36213429	-78.62534735			22	3.8	17.7	5	4.6	10.3	17	3.7	15.3	
NCSU	Dean (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	36.27997775	-78.61321264			12	3.3	11.5	2	2.5	3.5	11	3.6	12.1	
NCSU	DOT - SE1002 revisit	Freshwater	Forested	Coastal Plain	Wetland	2016	34.96101890470	-77.87131312570			40	4.7	29.8	7	4.6	12.1	39	4.7	29.2	
NCSU	Hancock (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	36.31495128	-78.56427664			32	3.6	20.5	6	3.3	8.2	28	3.7	19.7	
NCSU	Hog Farm Upper (NCSU)	Freshwater	Forested	Coastal Plain	Wetland	2016	34.81324643	-78.34732348			29	4.1	22.0	4	3.5	7.0	29	4.1	22.0	
NCSU	Lockwood Folly (NCSU)	Freshwater	Forested	Coastal Plain	Wetland	2016	34.01044666	-78.26455371			50	5.3	37.1	7	6.4	17.0	47	5.3	36.4	
NCSU	Munn (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	36.17578053	-78.56080241			30	4.1	22.5	3	3.0	5.2	29	4.3	22.9	
NCSU	Nahunta (NCSU)	Freshwater	Forested	Coastal Plain	Wetland	2016	35.50447662	-78.08301252			24	4.6	22.5	4	5.5	11.0	23	4.6	21.9	
NCSU	Nash - SE1161 revisit	Freshwater	Forested	Coastal Plain	Wetland	2016	35.92051248	-78.0431815			39	4.8	29.8	3	5.0	8.7	38	4.8	29.7	
NCSU	PCS (NCSU)	Freshwater	Forested	Coastal Plain	Wetland	2016	35.282926	-76.85513366			22	5.1	23.9	6	4.0	9.8	21	5.1	23.3	
NCSU	RDU - SE1150 revisit	Freshwater	Forested	Piedmont	Wetland	2016	35.88494963950	-78.76979967110			33	4.2	24.4	5	2.8	6.3	25	4.3	21.4	
NCSU	Sikka (NCSU)	Freshwater	Shrub	Coastal Plain	Wetland	2016	33.96979213	-78.22590741			14	5.8	21.8	3	6.2	10.7	12	5.9	20.5	
NCSU	Spring Garden (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	36.35329802	-79.72292618			43	4.6	30.3	5	3.8	8.5	41	4.7	30.1	
NCSU	Walmart (NCSU)	Freshwater	Forested	Piedmont	Wetland	2016	35.1593769	-79.42165063			42	4.3	28.0	5	5.0	11.2	38	4.3	26.7	
NPS	GRSM.115_01	Freshwater	Herbaceous	Mountains	Wetland	1998	35.62861117	-83.38694402			13	7.5	27.2	3	7.3	12.7	9	7.8	23.3	
NPS	GRSM.228_01	Freshwater	Forested	Mountains	Upland	1998	35.56352397	-83.76732129			17	6.4	26.3	3	7.2	12.4	17	6.4	26.3	
NPS	GRSM.250_01	Freshwater	Forested	Mountains	Wetland	1998	35.52197305	-83.85123664			27	7.1	37.1	5	7.8	17.4	25	7.1	35.4	
NPS	GRSM.264_01	Freshwater	Forested	Mountains	Wetland	1998	35.56102885	-83.76882382			28	6.3	33.5	3	6.7	11.5	23	6.6	31.8	
NPS	GRSM.302_01	Freshwater	Forested	Mountains	Upland	2000	not available	not available			14	5.1	19.0	3	4.7	8.1	13	5.1	18.3	no lat/long in plot info
NPS	GRSM.315_01	Freshwater	Herbaceous	Mountains	Wetland	2000	35.50905823	-83.29831229			41	4.2	26.7	10	4.4	13.9	41	4.2	26.7	
NPS	GRSM.316_01	Freshwater	Forested	Mountains	Wetland	2000	35.50965581	-83.30148237			40	4.5	28.6	9	4.9	14.7	36	4.6	27.7	
NPS	GRSM.317_01	Freshwater	Herbaceous	Mountains	Wetland	2000	35.48044007	-83.41446813			39	4.7	29.3	5	4.6	10.3	33	4.8	27.7	
NPS	GRSM.318_01	Freshwater	Shrub	Mountains	Wetland	2000	35.55010751	-83.30971977			25	4.8	23.9	2	4.5	6.4	21	4.8	21.9	
NPS	GRSM.322_01	Freshwater	Herbaceous	Mountains	Wetland	2000	35.51064694	-83.30292183			58	3.5	26.9	13	5.2	18.9	47	3.7	25.6	
NPS	GRSM.505_01	Freshwater	Forested	Mountains	Upland	2002	35.62737786	-83.17261597			7	6.1	16.3	2	7.0	9.9	7	6.1	16.3	
NPS	GRSM.510_01	Freshwater	Herbaceous	Mountains	Wetland	2002	35.54756198	-83.17272097			17	6.5	26.7	5	6.4	14.3	12	6.9	24.0	
NPS	GRSM.516_01	Freshwater	Forested	Mountains	Wetland	2002	35.4818627	-83.42353648			47	5.6	38.4	18	5.3	22.5	45	5.6	37.4	
NPS	GRSM.517_01	Freshwater	Herbaceous	Mountains	Wetland	2002	35.47864339	-83.42584216			25	5.0	25.2	4	5.3	10.5	17	5.4	22.1	
NPS	GRSM.522_01	Freshwater	Forested	Mountains	Upland	2002	35.51872297	-83.29303087			14	5.1	19.1	2	5.5	7.8	14	5.1	19.1	
NPS	GRSM.526_01	Freshwater	Forested	Mountains	Upland	2002	35.58758605	-83.37017662			18	5.4	23.0	3	4.7	8.1	18	5.4	23.0	
NPS	GRSM.537_01	Freshwater	Herbaceous	Mountains	Wetland	2002	35.53640246	-83.49617409			15	6.9	26.6	6	7.7	18.8	10	7.3	23.1	
NPS	GRSM.544_01	Freshwater	Forested	Mountains	Upland	2002	35.55359092	-83.31562183			11	5.3	17.6	5	4.9	11.0	11	5.3	17.6	
NPS	GRSM.546_01	Freshwater	Shrub	Mountains	Wetland	2002	35.45819187	-83.54990783			42	5.5	35.5	7	4.9	12.9	36	5.6	33.7	
NPS	GRSM.547_01	Freshwater	Forested	Mountains	Upland	2002	35.45832994	-83.55019863			6	4.2	10.2	6	4.2	10.2	6	4.2	10.2	
NPS	GRSM_AA.1_7	Freshwater	Forested	Mountains	Upland	unreported	35.54955858	-83.16847301			9	5.3	16.0	4	4.5	9.0	9	5.3	16.0	
NPS	GRSM_AA.102_19229	Freshwater	Forested	Mountains	Upland	unreported	35.46058934	-83.80532106			11	5.2	17.3	5	4.9	11.0	11	5.2	17.3	
NPS	GRSM_AA.105_28127	Freshwater	Forested	Mountains	Upland	unreported	35.45425541	-83.8110274			7	5.6	14.9	5	5.3	11.9	7	5.6	14.9	
NPS	GRSM_AA.107_29342	Freshwater	Forested	Mountains	Upland	unreported	35.46241443	-83.82290101			15	6.0	23.1	5	5.2	11.6	15	6.0	23.1	
NPS	GRSM_AA.108_29344	Freshwater	Forested	Mountains	Upland	unreported	35.46327777	-83.8036628			15	5.7	21.9	4	6.0	12.0	15	5.7	21.9	
NPS	GRSM_AA.109_29784	Freshwater	Forested	Mountains	Upland	unreported	35.46041619	-83.79841874			15	5.5	21.2	5	4.5	10.1	15	5.5	21.2	
NPS	GRSM_AA.11_7868	Freshwater	Forested	Mountains	Upland	unreported	35.55954495	-83.1805571			7	6.6	17.4	3	7.0	12.1	7	6.6	17.4	
NPS	GRSM_AA.110_30410	Freshwater	Forested	Mountains	Upland	unreported	35.45883421	-83.81527381			18	5.6	23.8	6	5.1	12.5	18	5.6	23.8	
NPS	GRSM_AA.111_7648	Freshwater	Forested	Mountains	Upland	unreported	35.63128517	-83.1773813			9	5.4	16.2	4	5.9	11.8	9	5.4	16.2	
NPS	GRSM_AA.113_8200	Freshwater	Forested	Mountains	Upland	unreported	35.63928699	-83.19096011			15	6.2	24.1	7	5.9	15.7	15	6.2	24.1	
NPS	GRSM_AA.115_20478	Freshwater	Forested	Mountains	Upland	unreported	35.63203443	-83.15275645			8	6.6	18.7	5	6.8	15.2	8	6.6	18.7	
NPS	GRSM_AA.116_21376	Freshwater	Forested	Mountains	Upland	unreported	35.62595675	-83.20861483			19	6.1	26.7	2	5.0	7.1	19	6.1	26.7	
NPS	GRSM_AA.118_27539	Freshwater	Forested	Mountains	Upland	unreported	35.6334443	-83.18060891			18	5.9	25.1	4	6.4	12.8	18	5.9	25.1	
NPS	GRSM_AA.134_19715	Freshwater	Forested	Mountains	Upland	unreported	35.62458419	-83.1107341			16	4.5	18.1	4	4.5	9.0	16	4.5	18.1	
NPS	GRSM_AA.135_19719	Freshwater	Forested	Mountains	Upland	unreported	35.62554012	-83.1137955			18	5.8	24.6	6	4.7	11.4	18	5.8	24.6	
NPS	GRSM_AA.136_26787	Freshwater	Forested	Mountains	Upland	unreported	35.62875051	-83.04799549			12	6.4	22.1	3	6.7	11.5	12	6.4	22.1	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
NPS	GRSM_AA.140_29229	Freshwater	Forested	Mountains	Upland	unreported	35.70914984	-83.09521189			15	5.3	20.4	2	4.0	5.7	15	5.3	20.4	
NPS	GRSM_AA.141_30198	Freshwater	Forested	Mountains	Upland	unreported	35.62587509	-83.05221714			14	6.3	23.4	8	6.5	18.4	14	6.3	23.4	
NPS	GRSM_AA.142_33290	Freshwater	Forested	Mountains	Upland	unreported	35.62704339	-83.11545814			8	4.9	13.8	2	4.5	6.4	8	4.9	13.8	
NPS	GRSM_AA.155_5324	Freshwater	Forested	Mountains	Upland	unreported	35.78115427	-82.15881151			16	5.1	20.5	6	4.7	11.4	16	5.1	20.5	
NPS	GRSM_AA.169_11129	Freshwater	Forested	Mountains	Upland	unreported	35.61283658	-83.11494035			16	5.4	21.5	6	5.7	13.9	16	5.4	21.5	
NPS	GRSM_AA.170_26594	Freshwater	Forested	Mountains	Upland	unreported	35.58454868	-83.07451272			6	5.8	14.1	2	6.5	9.2	6	5.8	14.1	
NPS	GRSM_AA.2_12	Freshwater	Forested	Mountains	Upland	unreported	35.5515495	-83.15396614			11	6.5	21.7	3	6.3	11.0	11	6.5	21.7	
NPS	GRSM_AA.210_28777	Freshwater	Forested	Mountains	Upland	unreported	35.61104377	-83.11846976			11	5.7	19.0	7	6.3	16.6	11	5.7	19.0	
NPS	GRSM_AA.213_33781	Freshwater	Forested	Mountains	Upland	unreported	35.61359213	-83.12118642			11	5.2	17.3	7	5.6	14.7	11	5.2	17.3	
NPS	GRSM_AA.22_18536	Freshwater	Forested	Mountains	Upland	unreported	35.56144964	-83.16691798			11	7.0	23.4	4	6.1	12.3	11	7.0	23.4	
NPS	GRSM_AA.224_7851	Freshwater	Forested	Mountains	Upland	unreported	35.5465066	-83.50488056			15	7.1	27.5	6	6.9	16.9	15	7.1	27.5	
NPS	GRSM_AA.246_5887	Freshwater	Forested	Mountains	Upland	unreported	35.58422928	-83.39859111			20	6.0	26.6	10	5.3	16.8	20	6.0	26.6	
NPS	GRSM_AA.247_5888	Freshwater	Forested	Mountains	Upland	unreported	35.58862264	-83.40112789			9	5.8	17.3	1	8.0	8.0	9	5.8	17.3	
NPS	GRSM_AA.248_5890	Freshwater	Forested	Mountains	Upland	unreported	35.59261174	-83.41396021			10	4.5	14.1	2	4.0	5.7	9	4.9	14.8	
NPS	GRSM_AA.254_6310	Freshwater	Forested	Mountains	Upland	unreported	35.59322383	-83.41759834			13	5.8	21.1	4	6.8	13.5	13	5.8	21.1	
NPS	GRSM_AA.255_6413	Freshwater	Forested	Mountains	Upland	unreported	35.53674296	-83.49453048			7	6.1	16.3	5	7.0	15.7	6	6.2	15.1	
NPS	GRSM_AA.259_7561	Freshwater	Forested	Mountains	Upland	unreported	35.60629833	-83.42455916			19	6.7	29.1	3	7.3	12.7	19	6.7	29.1	
NPS	GRSM_AA.261_7855	Freshwater	Forested	Mountains	Upland	unreported	35.55124615	-83.46386476			18	6.8	29.0	12	6.8	23.4	17	6.9	28.4	
NPS	GRSM_AA.262_7866	Freshwater	Forested	Mountains	Upland	unreported	35.55314894	-83.46161772			22	7.0	32.8	9	6.9	20.8	22	7.0	32.8	
NPS	GRSM_AA.289_18387	Freshwater	Forested	Mountains	Upland	unreported	35.55325654	-83.37723942			10	6.1	19.1	2	5.5	7.8	10	6.1	19.1	
NPS	GRSM_AA.297_19815	Freshwater	Forested	Mountains	Upland	unreported	35.59370212	-83.45367769			12	7.5	26.0	5	7.0	15.7	12	7.5	26.0	
NPS	GRSM_AA.298_26817	Freshwater	Forested	Mountains	Upland	unreported	35.5838681	-83.40675692			16	6.2	24.9	4	6.4	12.8	16	6.2	24.9	
NPS	GRSM_AA.3_7231	Freshwater	Forested	Mountains	Upland	unreported	35.55263659	-83.16122043			7	6.6	17.4	2	7.0	9.9	7	6.6	17.4	
NPS	GRSM_AA.30_19806	Freshwater	Forested	Mountains	Upland	unreported	35.58546291	-83.19734933			11	7.2	24.0	3	7.0	12.1	11	7.2	24.0	
NPS	GRSM_AA.300_26823	Freshwater	Forested	Mountains	Upland	unreported	35.59146085	-83.41561408			15	6.2	24.0	10	6.2	19.4	15	6.2	24.0	
NPS	GRSM_AA.301_26824	Freshwater	Forested	Mountains	Upland	unreported	35.59215534	-83.41424447			19	6.2	27.0	3	6.5	11.3	19	6.2	27.0	
NPS	GRSM_AA.304_27159	Freshwater	Forested	Mountains	Upland	unreported	35.58931777	-83.41100314			12	6.1	21.1	5	5.3	11.9	12	6.1	21.1	
NPS	GRSM_AA.306_32540	Freshwater	Forested	Mountains	Upland	unreported	35.59588902	-83.42043756			8	5.5	15.6	2	4.0	5.7	8	5.5	15.6	
NPS	GRSM_AA.308_32836	Freshwater	Forested	Mountains	Upland	unreported	35.58787514	-83.39883233			8	7.2	20.3	1	7.0	7.0	8	7.2	20.3	
NPS	GRSM_AA.309_32839	Freshwater	Forested	Mountains	Upland	unreported	35.58981244	-83.40067788			12	6.7	23.2	5	7.4	16.5	12	6.7	23.2	
NPS	GRSM_AA.314_34825	Freshwater	Forested	Mountains	Upland	unreported	35.5921031	-83.43118255			13	6.5	23.3	4	5.8	11.5	13	6.5	23.3	
NPS	GRSM_AA.315_34852	Freshwater	Forested	Mountains	Upland	unreported	35.5961489	-83.42902048			12	6.5	22.7	6	6.3	15.3	12	6.5	22.7	
NPS	GRSM_AA.318_35588	Freshwater	Forested	Mountains	Upland	unreported	35.55066873	-83.46345001			17	7.0	28.9	7	7.4	19.7	17	7.0	28.9	
NPS	GRSM_AA.319_35631	Freshwater	Forested	Mountains	Upland	unreported	35.58093902	-83.47436295			12	7.3	25.4	5	8.0	17.9	12	7.3	25.4	
NPS	GRSM_AA.325_35656	Freshwater	Forested	Mountains	Upland	unreported	35.59717304	-83.4229263			13	6.5	23.4	7	6.5	17.2	13	6.5	23.4	
NPS	GRSM_AA.334_34292	Freshwater	Forested	Mountains	Upland	unreported	35.60594186	-83.43284859			10	7.2	22.8	2	7.5	10.6	10	7.2	22.8	
NPS	GRSM_AA.337_34694	Freshwater	Forested	Mountains	Upland	unreported	35.57411394	-83.37912466			23	6.5	31.2	3	6.8	11.8	22	6.5	30.4	
NPS	GRSM_AA.339_4223	Freshwater	Forested	Mountains	Upland	unreported	35.57176223	-83.73256753			7	6.1	16.3	1	7.0	7.0	7	6.1	16.3	
NPS	GRSM_AA.34_20529	Freshwater	Forested	Mountains	Upland	unreported	35.57096263	-83.15973776			16	6.4	25.8	5	6.8	15.2	16	6.4	25.8	
NPS	GRSM_AA.341_6416	Freshwater	Forested	Mountains	Upland	unreported	35.56018012	-83.73257114			8	5.4	15.4	3	5.2	8.9	8	5.4	15.4	
NPS	GRSM_AA.35_26525	Freshwater	Forested	Mountains	Upland	unreported	35.54742062	-83.16755507			11	5.7	19.0	7	6.0	15.9	11	5.7	19.0	
NPS	GRSM_AA.36_26557	Freshwater	Forested	Mountains	Upland	unreported	35.56058196	-83.16051817			11	7.4	24.4	4	6.5	13.0	11	7.4	24.4	
NPS	GRSM_AA.41_26619	Freshwater	Forested	Mountains	Upland	unreported	35.59890433	-83.19482513			8	6.1	17.3	2	5.5	7.8	8	6.1	17.3	
NPS	GRSM_AA.45_27384	Freshwater	Forested	Mountains	Upland	unreported	35.54145754	-83.16880629			17	6.3	26.0	6	5.7	13.9	17	6.3	26.0	
NPS	GRSM_AA.484_5329	Freshwater	Shrub	Mountains	Wetland	unreported	35.46254121	-83.89586814			10	5.3	16.6	4	5.4	10.8	10	5.3	16.6	
NPS	GRSM_AA.485_5331	Freshwater	Shrub	Mountains	Upland	unreported	35.46570234	-83.88016127			8	5.1	14.3	4	4.9	9.8	8	5.1	14.3	
NPS	GRSM_AA.486_5340	Freshwater	Forested	Mountains	Upland	unreported	35.46637163	-83.88006397			6	4.6	11.2	2	5.0	7.1	6	4.6	11.2	
NPS	GRSM_AA.493_5421	Freshwater	Forested	Mountains	Unknown	unreported	35.5481772	-83.30978571			9	3.4	10.3	3	1.7	2.9	7	3.3	8.7	
NPS	GRSM_AA.497_6426	Freshwater	Forested	Mountains	Upland	unreported	35.51985247	-83.28956776			10	3.8	12.0	5	3.8	8.5	10	3.8	12.0	
NPS	GRSM_AA.498_6427	Freshwater	Forested	Mountains	Wetland	unreported	35.52278662	-83.28980551			10	4.3	13.4	3	4.7	8.1	10	4.3	13.4	
NPS	GRSM_AA.500_6682	Freshwater	Forested	Mountains	Maybe wetland	unreported	35.50487971	-83.29904202			12	4.4	15.3	4	2.8	5.5	12	4.4	15.3	
NPS	GRSM_AA.501_6757	Freshwater	Forested	Mountains	Upland	unreported	35.56090672	-83.32937914			18	5.6	23.7	6	5.2	12.7	18	5.6	23.7	
NPS	GRSM_AA.505_17449	Freshwater	Forested	Mountains	Upland	unreported	35.50814543	-83.29607037			19	6.2	26.8	5	6.1	13.6	19	6.2	26.8	
NPS	GRSM_AA.507_19361	Freshwater	Forested	Mountains	Upland	unreported	35.52131905	-83.30720726			19	5.2	22.6	3	3.8	6.6	19	5.2	22.6	
NPS	GRSM_AA.508_20003	Freshwater	Forested	Mountains	Upland	unreported	35.49985939	-83.29853512			17	5.0	20.7	8	4.3	12.2	17	5.0	20.7	
NPS	GRSM_AA.509_20107	Freshwater	Forested	Mountains	Upland	unreported	35.55047673	-83.31067896			17	5.6	22.9	3	6.0	10.4	17	5.6	22.9	
NPS	GRSM_AA.51_27532	Freshwater	Forested	Mountains	Upland	unreported	35.61869428	-83.18323317			12	6.0	20.9	3	4.5	7.8	12	6.0	20.9	
NPS	GRSM_AA.510_20123	Freshwater	Forested	Mountains	Upland	unreported	35.56092062	-83.31696902			17	4.9	20.1	3	3.0	5.2	16	5.2	20.8	

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
NPS	GRSM_AA.511_20174	Freshwater	Forested	Mountains	Wetland	unreported	35.57275825	-83.31029288			23	5.7	27.1	7	5.2	13.8	23	5.7	27.1	
NPS	GRSM_AA.512_20248	Freshwater	Forested	Mountains	Upland	unreported	35.58683096	-83.36640245			12	5.5	19.2	3	3.7	6.4	12	5.5	19.2	
NPS	GRSM_AA.515_28371	Freshwater	Forested	Mountains	Upland	unreported	35.55104399	-83.30741926			13	5.4	19.4	5	5.5	12.3	13	5.4	19.4	
NPS	GRSM_AA.518_30774	Freshwater	Forested	Mountains	Upland	unreported	35.53521866	-83.30298462			18	4.9	21.0	3	4.0	6.9	18	4.9	21.0	
NPS	GRSM_AA.520_31120	Freshwater	Forested	Mountains	Wetland	unreported	35.58744372	-83.36319824			17	4.9	20.4	3	4.3	7.5	17	4.9	20.4	
NPS	GRSM_AA.53_31276	Freshwater	Forested	Mountains	Upland	unreported	35.60845165	-83.12693423			12	6.9	23.8	4	6.8	13.5	12	6.9	23.8	
NPS	GRSM_AA.540_30045	Freshwater	Forested	Mountains	Upland	unreported	35.57605324	-83.07472389			17	5.9	24.1	3	5.3	9.2	17	5.9	24.1	
NPS	GRSM_AA.55_32855	Freshwater	Forested	Mountains	Upland	unreported	35.60335027	-83.19026659			10	5.6	17.6	3	3.3	5.8	10	5.6	17.6	
NPS	GRSM_AA.59_33072	Freshwater	Forested	Mountains	Upland	unreported	35.56128422	-83.1830754			13	6.2	22.5	4	5.6	11.3	13	6.2	22.5	
NPS	GRSM_AA.6_7602	Freshwater	Forested	Mountains	Upland	unreported	35.61953601	-83.1835431			13	6.3	22.9	4	5.8	11.5	13	6.3	22.9	
NPS	GRSM_AA.60_33073	Freshwater	Forested	Mountains	Upland	unreported	35.56108675	-83.18203304			18	6.5	27.6	7	6.5	17.2	18	6.5	27.6	
NPS	GRSM_AA.61_33074	Freshwater	Forested	Mountains	Upland	unreported	35.56156098	-83.1842192			15	5.5	21.3	8	5.4	15.2	14	5.9	22.0	
NPS	GRSM_AA.62_33164	Freshwater	Forested	Mountains	Upland	unreported	35.61068842	-83.18279475			18	6.5	27.7	8	6.4	18.0	18	6.5	27.7	
NPS	GRSM_AA.70_34974	Freshwater	Forested	Mountains	Upland	unreported	35.6128124	-83.18546874			11	6.3	20.8	5	6.2	13.9	11	6.3	20.8	
NPS	GRSM_AA.8_7828	Freshwater	Forested	Mountains	Upland	unreported	35.54799291	-83.16781315			8	6.0	17.0	5	6.4	14.3	8	6.0	17.0	
NPS	GRSM_AA.80_6603	Freshwater	Forested	Mountains	Maybe wetland	unreported	35.46056995	-83.55126092			10	5.4	16.9	4	4.6	9.3	10	5.4	16.9	
NPS	GRSM_AA.83_24242	Freshwater	Forested	Mountains	Upland	unreported	35.45682265	-83.51681434			14	5.6	20.8	4	5.6	11.3	14	5.6	20.8	
NPS	GRSM_AA.84_33335	Freshwater	Forested	Mountains	Upland	unreported	35.45356344	-83.53985807			11	5.3	17.5	8	5.3	14.8	11	5.3	17.5	
NPS	GRSM_AA.85_33366	Freshwater	Forested	Mountains	Upland	unreported	35.45332902	-83.52698369			13	5.3	19.3	5	5.5	12.3	13	5.3	19.3	
NPS	GRSM_AA.88_35484	Freshwater	Forested	Mountains	Upland	unreported	35.45678236	-83.53123404			17	5.0	20.5	5	4.5	10.1	17	5.0	20.5	
NPS	GRSM_AA.89_6640	Freshwater	Forested	Mountains	Maybe wetland	unreported	35.48040354	-83.42482611			20	5.1	22.7	5	4.3	9.6	20	5.1	22.7	
NPS	GRSM_AA.90_9028	Freshwater	Forested	Mountains	Upland	unreported	35.4574116	-83.43987906			24	5.4	26.5	11	5.7	18.8	24	5.4	26.5	GPS pt is approximate
NPS	GRSM_AA.91_9045	Freshwater	Forested	Mountains	Upland	unreported	35.45988596	-83.43965634			23	5.5	26.2	7	5.4	14.4	23	5.5	26.2	
NPS	GRSM_AA.92_9082	Freshwater	Shrub	Mountains	Upland	unreported	35.46436747	-83.42123732			16	5.5	22.1	3	4.7	8.1	16	5.5	22.1	
NPS	GRSM_AA.93_13571	Freshwater	Forested	Mountains	Upland	unreported	35.46352551	-83.42096968			23	5.7	27.1	8	5.4	15.2	23	5.7	27.1	
NPS	GRSM_AA.94_24247	Freshwater	Shrub	Mountains	Upland	unreported	35.45887621	-83.4401106			22	5.0	23.6	4	4.1	8.3	22	5.0	23.6	
NPS	GRSM_AA.95_24290	Freshwater	Forested	Mountains	Upland	unreported	35.49100173	-83.42449438			17	5.8	23.8	6	4.4	10.8	17	5.8	23.8	
NPS	GRSM_AA.96_33285	Freshwater	Forested	Mountains	Upland	unreported	35.46295917	-83.42358598			19	5.6	24.4	11	4.9	16.1	19	5.6	24.4	
NPS	GRSM_AA.97_35508	Freshwater	Forested	Mountains	Upland	unreported	35.49168453	-83.42998172			13	5.4	19.4	6	4.5	11.0	13	5.4	19.4	
NPS	GUCO.1	Freshwater	Forested	Piedmont	Upland	2001	36.13158415	-79.84585975			53	3.6	26.4	4	4.4	8.8	49	3.8	26.8	
NPS	GUCO.10	Freshwater	Forested	Piedmont	Upland	2001	36.12969442	-79.84715429			30	5.0	27.3	5	5.7	12.7	30	5.0	27.3	
NPS	GUCO.11	Freshwater	Forested	Piedmont	Upland	2001	36.13303841	-79.83312475			39	3.4	21.2	6	2.0	4.9	34	3.4	19.6	
NPS	GUCO.12	Freshwater	Forested	Piedmont	Upland	2001	36.13530552	-79.83820348			25	4.9	24.6	2	5.8	8.1	25	4.9	24.6	
NPS	GUCO.14	Freshwater	Forested	Piedmont	Upland	2001	36.12821766	-79.846398			4	5.6	11.3	1	6.0	6.0	4	5.6	11.3	
NPS	GUCO.15	Freshwater	Forested	Piedmont	Upland	2002	36.13279626	-79.83510651			38	3.9	23.8	5	3.4	7.6	33	3.8	22.0	
NPS	GUCO.16	Freshwater	Forested	Piedmont	Upland	2002	36.13195997	-79.84837695			23	4.2	19.9	5	4.4	9.8	23	4.2	19.9	
NPS	GUCO.2	Freshwater	Forested	Piedmont	Upland	2001	36.13379277	-79.84584963			25	4.8	24.2	5	5.6	12.5	25	4.8	24.2	
NPS	GUCO.3	Freshwater	Forested	Piedmont	Upland	2001	36.13147472	-79.84292748			32	3.5	19.5	4	2.5	5.0	32	3.5	19.5	
NPS	GUCO.4	Freshwater	Forested	Piedmont	Upland	2001	36.13388412	-79.84316994			32	4.9	27.6	5	4.7	10.5	32	4.9	27.6	
NPS	GUCO.5	Freshwater	Forested	Piedmont	Upland	2001	36.13134044	-79.84022896			39	4.1	25.6	3	3.2	5.5	39	4.1	25.6	
NPS	GUCO.6	Freshwater	Forested	Piedmont	Upland	2001	36.13393741	-79.84029076			40	2.8	17.6	5	2.3	5.1	28	2.5	13.2	
NPS	GUCO.7	Freshwater	Forested	Piedmont	Upland	2001	36.13384781	-79.83755816			48	3.6	24.8	5	1.6	3.6	41	3.5	22.3	
NPS	GUCO.8	Freshwater	Forested	Piedmont	Upland	2001	36.13375815	-79.83482557			52	3.8	27.1	4	4.1	8.3	51	3.8	27.4	
NPS	GUCO.9	Freshwater	Forested	Piedmont	Upland	2001	36.13530552	-79.83820348			45	4.3	29.1	3	3.3	5.8	43	4.4	28.8	
NPS	MOCR00101	Freshwater	Herbaceous	Coastal Plain	Wetland	2005	34.45845	-78.1108			39	5.0	31.2	8	4.1	11.7	29	5.0	26.7	
NPS	MOCR00201	Freshwater	Herbaceous	Coastal Plain	Wetland	2005	34.45792	-78.11106			31	4.7	26.4	4	4.5	9.0	18	4.3	18.4	
NPS	MOCR00401	Freshwater	Forested	Coastal Plain	Wetland	2006	34.45948	-78.10982			38	4.4	27.4	6	5.0	12.2	33	4.4	25.1	
NPS	MOCR00501	Freshwater	Forested	Coastal Plain	Wetland	2007	34.458909	-78.113868			21	5.9	27.1	5	6.2	13.9	21	5.9	27.1	
NPS	MOCR00601	Freshwater	Forested	Coastal Plain	Wetland	2007	34.459724	-78.113343			18	4.8	20.3	5	4.8	10.7	17	4.8	19.6	
NPS	MOCR00701	Freshwater	Forested	Coastal Plain	Wetland	2007	34.457243	-78.112063			22	5.4	25.2	3	7.0	12.1	18	5.3	22.6	
NPS	MOCR00801	Freshwater	Forested	Coastal Plain	Wetland	2007	34.460655	-78.111875			26	4.9	25.2	10	4.0	12.6	24	4.9	24.2	
NPS	MOCR00901	Freshwater	Forested	Coastal Plain	Upland	2007	34.456768	-78.107732			24	4.1	20.1	6	2.7	6.5	24	4.1	20.1	
NPS	MOCR01001	Freshwater	Forested	Coastal Plain	Upland	2007	34.455859	-78.109282			17	3.8	15.8	4	3.6	7.3	17	3.8	15.8	
NPS	MOCR01201	Freshwater	Forested	Coastal Plain	Wetland	2007	34.461046	-78.112709			16	5.8	23.3	4	6.3	12.5	15	5.7	22.2	
NWCA	NWCA11-2023	Freshwater	Forested	Coastal Plain	Wetland	2011	35.653652347440700	-77.620719845100400	78	MEDIUM		4.2	21.4		4.8	10.0		4.3	28.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2025	Brackish	Shrub	Coastal Plain	Wetland	2011	34.883623956088800	-76.515964971934200	71	HIGH		4.7	22.8		4.3	8.1		4.5	28.5	4 plots avg'd, so counts avoided
NWCA	NWCA11-2026	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.489616536585900	-75.988862258642400	66	HIGH		7.2	13.1		7.4	9.9				4 plots avg'd, so counts avoided
NWCA	NWCA11-2027	Freshwater	Forested	Coastal Plain	Wetland	2011	36.423792798896100	-77.419479063346400	73	HIGH		5.0	25.6		3.2	5.2		4.8	22.2	4 plots avg'd, so counts avoided

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
NWCA	NWCA11-2028	Freshwater	Herbaceous	Coastal Plain	Wetland	2011	35.698008999999900	-76.230592000000000	43	HIGH		4.5	20.0		5.3	9.3		4.5	17.1	4 plots avg'd, so counts avoided
NWCA	NWCA11-2030	Brackish	Herbaceous	Coastal Plain	Wetland	2011	34.676170214215700	-77.064886685759000	83	HIGH		7.3	18.0		7.2	9.2		7.2	13.7	4 plots avg'd, so counts avoided
NWCA	NWCA11-2031	Freshwater	Shrub	Coastal Plain	Wetland	2011	34.956289836563800	-77.837227836210200	68	HIGH		5.9	24.2		5.6	10.9		5.9	24.1	4 plots avg'd, so counts avoided
NWCA	NWCA11-2032	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.581277376217500	-75.910756102682800	65	HIGH		5.2	17.3		4.8	9.1		5.4	16.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2033	Brackish	Shrub	Coastal Plain	Wetland	2011	35.395925768663100	-76.307783480623800	52	HIGH		4.3	16.7		4.6	9.3		3.8	13.4	4 plots avg'd, so counts avoided
NWCA	NWCA11-2034	Freshwater	Shrub	Coastal Plain	Wetland	2011	34.888907269795500	-77.426528579453300	68	HIGH		6.8	24.9		6.4	12.7		6.8	24.9	4 plots avg'd, so counts avoided
NWCA	NWCA11-2035	Freshwater	Forested	Coastal Plain	Wetland	2011	35.535163451406000	-76.799227228085500	69	HIGH		4.5	18.8		4.4	7.9		4.3	16.3	4 plots avg'd, so counts avoided
NWCA	NWCA11-2036	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.950741761912800	-76.123869360776700	82	HIGH		4.5	20.0		4.6	7.9		4.4	19.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2038	Brackish	Herbaceous	Coastal Plain	Wetland	2011	34.780873999999900	-76.404802000000000	74	HIGH		7.9	13.7		8.0	11.3		8.0	10.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2039	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.632767999999900	-77.699601000000000	48	MEDIUM		4.8	22.4		4.6	10.4		4.8	20.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2040	Freshwater	Forested	Coastal Plain	Wetland	2011	35.249280136668600	-76.615890763973000	68	HIGH		5.3	24.3		4.0	7.3		5.2	23.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2042	Freshwater	Forested	Coastal Plain	Wetland	2011	35.728611195641500	-76.539928602604800	76	HIGH		4.9	19.3		5.8	10.2		5.2	19.2	4 plots avg'd, so counts avoided
NWCA	NWCA11-2043	Freshwater	Shrub	Coastal Plain	Wetland	2011	34.016834000000000	-78.326964000000000	64	MEDIUM		6.1	24.2		5.9	11.6		6.1	23.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2044	Freshwater	Forested	Coastal Plain	Wetland	2011	35.694681440799300	-76.227225652075400	42	HIGH		4.3	18.1		4.4	7.6		3.9	13.4	4 plots avg'd, so counts avoided
NWCA	NWCA11-2045	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.393283141821100	-76.380811643078200	81	HIGH		7.3	14.1		7.4	11.9				all graminoids
NWCA	NWCA11-2047	Freshwater	Shrub	Coastal Plain	Wetland	2011	34.443910373630800	-77.723833148786700	59	MEDIUM		6.5	30.2		6.7	12.5		6.5	28.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2048	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.572013349206500	-75.910824787088700	69	HIGH		5.7	17.2		5.6	8.3		5.5	15.5	4 plots avg'd, so counts avoided
NWCA	NWCA11-2049	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.388370108493800	-76.319374400799400	70	HIGH		6.6	13.4		6.6	7.0		6.2	6.2	4 plots avg'd, so counts avoided
NWCA	NWCA11-2051	Freshwater	Forested	Coastal Plain	Wetland	2011	35.089292363820100	-77.474476126762900	44	MEDIUM		4.2	26.4		3.7	6.9		4.1	24.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2052	Brackish	Herbaceous	Coastal Plain	Wetland	2011	34.927880000000000	-76.300511999999900	75	HIGH		6.9	12.4		6.7	7.6		3.7	9.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2055	Freshwater	Shrub	Coastal Plain	Wetland	2011	36.086081999999900	-77.658467999999900	41	MEDIUM		3.4	14.9		2.8	5.2		3.4	14.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2056	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.695359499315700	-76.235172977830700	42	HIGH		4.8	23.8		4.3	8.4		4.4	17.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2058	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.692402280341900	-76.468134644957400	64	HIGH		5.9	15.9		6.4	11.4		5.9	15.6	4 plots avg'd, so counts avoided
NWCA	NWCA11-2059	Freshwater	Forested	Coastal Plain	Wetland	2011	35.099123646469200	-78.049143076723300	78	MEDIUM		4.2	22.2		3.0	6.4		4.2	20.9	4 plots avg'd, so counts avoided
NWCA	NWCA11-2061	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.361178717534300	-76.355729871520200	81	HIGH		7.1	15.2		6.9	9.6		7.3	10.1	4 plots avg'd, so counts avoided
NWCA	NWCA11-2064	Freshwater	Shrub	Coastal Plain	Wetland	2011	35.765113438048800	-75.880056089131400	74	HIGH		6.2	21.5		6.7	12.9		6.2	21.5	4 plots avg'd, so counts avoided
NWCA	NWCA11-2065	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.379134719255000	-76.303742194866100	69	HIGH		5.7	15.4		6.6	12.0		3.7	6.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2066	Brackish	Herbaceous	Coastal Plain	Wetland	2011	34.804608999999900	-76.453232000000000	75	HIGH		5.1	19.0		5.8	10.3		4.7	14.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2067	Freshwater	Herbaceous	Coastal Plain	Wetland	2011	35.091488173447200	-77.473999485419000	45	MEDIUM		4.2	25.8		3.3	7.2		4.0	21.7	4 plots avg'd, so counts avoided
NWCA	NWCA11-2068	Brackish	Herbaceous	Coastal Plain	Wetland	2011	34.993117101142900	-76.549169307767700	70	HIGH		7.5	12.5		7.0	7.0		8.0	8.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2069	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.164991999999900	-75.829953000000000	67	HIGH		6.1	22.6		5.8	10.1		5.6	17.3	4 plots avg'd, so counts avoided
NWCA	NWCA11-2070	Brackish	Herbaceous	Coastal Plain	Wetland	2011	36.284334000000000	-75.867390000000000	75	HIGH		5.6	17.2		7.0	7.6		5.4	12.7	4 plots avg'd, so counts avoided
NWCA	NWCA11-2071	Freshwater	Forested	Coastal Plain	Wetland	2011	36.100879851563000	-77.286983002853900	87	HIGH		5.6	20.6		5.0	10.9		5.5	19.4	4 plots avg'd, so counts avoided
NWCA	NWCA11-2072	Freshwater	Herbaceous	Coastal Plain	Wetland	2011	35.698261865185700	-76.235310346942200	40	HIGH		4.3	17.1		4.6	8.4		4.1	14.3	4 plots avg'd, so counts avoided
NWCA	NWCA11-2073	Freshwater	Forested	Coastal Plain	Wetland	2011	35.590440846601100	-76.460452973317800	37	LOW		3.1	12.7		2.3	3.9		3.2	12.2	4 plots avg'd, so counts avoided
NWCA	NWCA11-2074	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.677010099446200	-75.495897559996700	72	HIGH		7.6	16.2		7.0	7.6		8.0	11.2	4 plots avg'd, so counts avoided
NWCA	NWCA11-2075	Freshwater	Forested	Coastal Plain	Wetland	2011	34.968373999999900	-77.872754000000000	69	HIGH		4.2	21.4		3.9	7.4		4.2	19.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2076	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.601862207983500	-75.818565453844200	75	HIGH		6.4	11.8		6.1	8.0		3.0	3.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2077	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.385561803309700	-76.305815147158200	71	HIGH		5.1	15.1		5.0	9.8		4.3	10.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2078	Freshwater	Forested	Coastal Plain	Wetland	2011	34.834561693569900	-77.183163843448600	80	HIGH		5.4	31.3		4.8	11.7		5.3	30.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-2079	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.545533615895700	-76.526641340153900	71	HIGH		6.3	9.8		7.0	7.0		5.5	7.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2080	Freshwater	Forested	Coastal Plain	Wetland	2011	35.787750516696200	-75.881066575975800	78	HIGH		6.2	24.8		6.6	14.0		6.2	24.8	4 plots avg'd, so counts avoided
NWCA	NWCA11-2081	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.414659489578500	-76.429733116088100	72	HIGH		6.4	10.7		6.4	7.3				all graminoids
NWCA	NWCA11-R069	Freshwater	Forested	Coastal Plain	Wetland	2011	34.933880000000000	-77.086359999999900				6.4	20.7		6.4	12.1		6.4	20.7	4 plots avg'd, so counts avoided
NWCA	NWCA11-R070	Freshwater	Forested	Coastal Plain	Wetland	2011	35.937970000000000	-76.877619999999900				5.8	28.1		4.9	12.6		5.7	27.3	4 plots avg'd, so counts avoided
NWCA	NWCA11-R071	Brackish	Herbaceous	Coastal Plain	Wetland	2011	35.086199999999900	-75.991990000000000				7.4	21.2		7.4	11.4		7.7	15.0	4 plots avg'd, so counts avoided
NWCA	NWCA11-R088	Freshwater	Forested	Piedmont	Wetland	2011	35.474850000000000	-78.910600000000000				4.9	19.5		5.8	10.9		4.6	17.3	4 plots avg'd, so counts avoided
NWCA	NWCA16-3328	Freshwater	Forested	Coastal Plain	Wetland	2016	35.65365235	-77.62071985	57	LOW		5.8	26.8		4.6	20.9		4.7	26.3	4 plots avg'd, so counts avoided
NWCA	NWCA16-3329	Brackish	Shrub	Coastal Plain	Wetland	2016	34.88362396	-76.51596497	71	HIGH		7.4	29.3		4.5	22.5		4.4	25.9	4 plots avg'd, so counts avoided
NWCA	NWCA16-3330	Brackish	Herbaceous	Coastal Plain	Wetland	2016	35.60186220800	-75.81856545380	76	HIGH		4.9	13.6		6.6	13.6		5.7	6.6	4 plots avg'd, so counts avoided
NWCA	NWCA16-3331	Brackish	Shrub	Coastal Plain	Wetland	2016	35.39592576870	-76.30778348060	53	LOW		4.4	16.8		4.4	16.8		3.8	13.0	4 plots avg'd, so counts avoided
NWCA	NWCA16-3332	Freshwater	Herbaceous	Coastal Plain	Wetland	2016	35.69535949930	-76.23517297780	52	LOW		4.8	11.6		4.8	11.6		4.9	11.5	4 plots avg'd, so counts avoided
NWCA	NWCA16-3333	Freshwater	Shrub	Coastal Plain	Wetland	2016	35.69851280560	-76.23083181560	57	LOW		4.5	14.3		4.5	14.3		4.5	14.3	4 plots avg'd, so counts avoided
NWCA	NWCA16-3334	Freshwater	Shrub	Coastal Plain	Wetland	2016	35.09148817340	-77.47399948540	42	HIGH		4.5	26.0		4.5	26.0		4.4	23.1	4 plots avg'd, so counts avoided
NWCA	NWCA16-3335	Freshwater	Forested	Coastal Plain	Wetland	2016	35.24928013670	-76.61589076400	76	HIGH		5.1	26.0		5.1	26.0		5.0	23.7	4 plots avg'd, so counts avoided
NWCA	NWCA16-3336	Freshwater	Forested	Coastal Plain	Wetland	2016	35.63289970540	-77.69971764130	52	MEDIUM		4.2	18.1		4.2	18.1		4.1	16.9	4 plots avg'd, so counts avoided
NWCA	NWCA16-3337	Freshwater	Forested	Coastal Plain	Wetland	2016	35.78775051670	-75.88106657600	84	HIGH		6.4	24.8		6.4	24.8		6.4	24.8	4 plots avg'd, so counts avoided
NWCA	NWCA16-3339	Freshwater	Forested	Coastal Plain	Wetland	2016	34.90675728650	-77.73932381190	38	MEDIUM		5.1	23.1		5.1	23.1		5.0	21.1	4 plots avg'd, so counts avoided

Project/Source	Site Name	Salinity	Structure	Ecoregion	Wetland?	Year Data Collected	Latitude	Longitude	ORAM score (of 90)	NCWAM	Count of spp w C val Full List	Mean C all	FQI all	Count of dom spp w C val	Mean C dom	FQI dom	Count of spp w/o grams (w C val)	Mean C no graminoids	FQI no graminoids	Notes
NWCA	NWCA16-3341	Saltwater	Herbaceous	Coastal Plain	Wetland	2016	35.39623347440	-76.44077534350	74	HIGH		6.7	14.9		6.7	14.9				all graminoids
NWCA	NWCA16-3342	Freshwater	Forested	Piedmont	Wetland	2016	36.30098329040	-78.56015123750	50	LOW		4.0	23.4		4.0	23.4		4.0	20.9	4 plots avg'd, so counts avoided
NWCA	NWCA16-3344	Saltwater	Herbaceous	Coastal Plain	Wetland	2016	34.99092621910	-76.54108005010	80	HIGH		4.8	16.8		4.8	16.8		4.3	13.4	4 plots avg'd, so counts avoided
NWCA	NWCA16-3345	Freshwater	Forested	Coastal Plain	Wetland	2016	36.30797632680	-75.91420634180	70	HIGH		5.3	16.5		5.3	16.5		5.3	16.5	4 plots avg'd, so counts avoided
NWCA	NWCA16-3346	Freshwater	Forested	Coastal Plain	Wetland	2016	35.79083353880	-77.41177830640	53	MEDIUM		4.7	21.6		4.8	21.8		4.6	19.9	4 plots avg'd, so counts avoided
NWCA	NWCA16-3348	Brackish	Herbaceous	Coastal Plain	Wetland	2016	35.09541468060	-77.00640187920	62	HIGH		5.3	14.9		5.3	14.9		5.1	12.9	4 plots avg'd, so counts avoided
NWCA	NWCA16-3349	Freshwater	Shrub	Coastal Plain	Wetland	2016	35.64870163540	-76.00303669050	86	HIGH		5.5	26.3		5.5	26.2		5.3	22.5	4 plots avg'd, so counts avoided
NWCA	NWCA16-3350	Freshwater	Forested	Piedmont	Wetland	2016	35.85355334690	-79.09822802070	70	HIGH		3.9	21.4		3.9	21.4		3.9	19.2	4 plots avg'd, so counts avoided
NWCA	NWCA16-3351	Freshwater	Forested	Coastal Plain	Wetland	2016	34.08075491350	-78.34235278860	38	LOW		5.7	25.2		5.7	25.2		5.5	21.2	4 plots avg'd, so counts avoided
NWCA	NWCA16-3352	Saltwater	Herbaceous	Coastal Plain	Wetland	2016	35.46293941590	-76.62283978100	60	HIGH		5.4	16.5		5.4	16.5		4.3	10.8	4 plots avg'd, so counts avoided
NWCA Intensif	SE1001	Freshwater	Forested	Piedmont	Wetland	2012	36.31568238	-78.56294815	38	LOW		3.3	14.8		2.5	11.0		3.5	14.1	4 plots avg'd, so counts avoided
NWCA Intensif	SE1002	Freshwater	Forested	Piedmont	Wetland	2012	35.88494964	-78.76979967	60	MEDIUM		3.9	15.1		2.3	8.8		3.8	12.5	4 plots avg'd, so counts avoided
NWCA Intensif	SE1004	Freshwater	Forested	Piedmont	Wetland	2012	35.371551	-80.70159251	68	MEDIUM		4.1	19.6		3.4	13.8		4.1	17.9	4 plots avg'd, so counts avoided
NWCA Intensif	SE1006	Freshwater	Forested	Piedmont	Wetland	2012	35.37779002	-80.70887879	47	LOW		3.9	17.9		3.0	12.7		4.0	17.0	4 plots avg'd, so counts avoided
NWCA Intensif	SE1014	Freshwater	Forested	Coastal Plain	Wetland	2012	34.96390848	-77.88611352	69	HIGH		4.6	19.8		3.9	16.5		4.5	18.9	4 plots avg'd, so counts avoided
NWCA Intensif	SE1016	Freshwater	Forested	Coastal Plain	Wetland	2012	36.24324529	-77.45412199	81	HIGH		4.5	15.9		4.3	19.9		4.4	15.3	4 plots avg'd, so counts avoided
NWCA Intensif	SE1018	Freshwater	Forested	Coastal Plain	Wetland	2012	35.10819867	-78.06544584	77	HIGH		4.6	20.7		4.7	22.2		4.6	20.7	4 plots avg'd, so counts avoided
NWCA Intensif	SE1091	Freshwater	Forested	Piedmont	Wetland	2012	36.29991355	-78.52754637	60	HIGH		3.6	15.9		2.9	11.8		3.9	15.3	4 plots avg'd, so counts avoided
NWCA Intensif	SE1092	Freshwater	Forested	Piedmont	Wetland	2012	36.30574515	-78.54137214	58	HIGH		3.3	15.5		2.3	8.3		3.4	14.0	4 plots avg'd, so counts avoided
NWCA Intensif	SE1095	Freshwater	Forested	Piedmont	Wetland	2012	36.31160011	-78.56213029	40	MEDIUM		3.7	16.0		2.4	10.5		3.8	15.3	4 plots avg'd, so counts avoided
NWCA Intensif	SE1097	Freshwater	Forested	Piedmont	Wetland	2012	35.37414298	-80.70688221	67	HIGH		3.8	16.3		3.5	15.9		3.9	14.8	4 plots avg'd, so counts avoided
NWCA Intensif	SE1098	Freshwater	Forested	Piedmont	Wetland	2012	35.672068	-80.72857662	50	LOW		3.3	14.7		3.5	18.0		3.4	14.2	4 plots avg'd, so counts avoided
NWCA Intensif	SE1101	Freshwater	Forested	Piedmont	Wetland	2012	35.3731833	-80.70950357	45	LOW		4.4	16.6		4.2	15.0		4.2	14.8	4 plots avg'd, so counts avoided
NWCA Intensif	SE1144	Freshwater	Forested	Coastal Plain	Wetland	2012	35.10197923	-78.5763132	62	HIGH		3.6	14.0		2.8	11.6		3.8	14.3	4 plots avg'd, so counts avoided
NWCA Intensif	SE1149	Freshwater	Forested	Coastal Plain	Wetland	2012	36.09211899	-77.66135391	71	HIGH		4.3	19.9		3.4	14.4		4.2	18.8	4 plots avg'd, so counts avoided
NWCA Intensif	SE1150	Freshwater	Forested	Coastal Plain	Wetland	2012	34.9610189	-77.87131313	86	HIGH		4.9	24.1		4.5	22.6		4.8	22.9	4 plots avg'd, so counts avoided
NWCA Intensif	SE1154	Freshwater	Forested	Coastal Plain	Wetland	2012	35.10715998	-78.05349573	63	HIGH		4.1	20.9		3.7	17.0		4.2	20.5	4 plots avg'd, so counts avoided
NWCA Intensif	SE1157	Freshwater	Forested	Coastal Plain	Wetland	2012	35.7327472	-77.48697928	66	HIGH		4.4	23.1		5.0	23.5		4.4	22.5	4 plots avg'd, so counts avoided
NWCA Intensif	SE1159	Freshwater	Forested	Coastal Plain	Wetland	2012	34.96230749	-77.86700008	83	HIGH		4.7	24.6		4.3	20.0		4.6	22.9	4 plots avg'd, so counts avoided
NWCA Intensif	SE1161	Freshwater	Forested	Coastal Plain	Wetland	2012	35.92051248	-78.0431815	64	HIGH		4.8	23.6		4.8	20.9		4.6	20.6	4 plots avg'd, so counts avoided