



United States Land Grant
Colleges and Universities'

Alabama State Water Program

A Partnership of USDA CSREES
& the Land Grant System

Research, Extension & Education Water Quality Programs
through the Land Grant University System



Your Experts for Life

Alabama's Database-Driven Internet Delivery of Water Resource Information



James E. Hairston, Donn A. Rodekohr and Eve Brantley
Alabama Cooperative Extension System Water Program Coordinator/Professor, GIS
Specialist and Ag Program Associate, Agronomy & Soils Department, Auburn University

Outline

- Introduction
- Structure of Website
- Web Resources
- Web Trends
- Summary
- References
- Questions



Introduction

- When was the project initiated?
- What is the project focus?
- Why was the project initiated?
- How is the project supported?



Why was the project initiated?

- 1) To align with a CSREES Water Quality Program Framework established at the National Water Quality Coordinator Conference held in San Antonio on March 11-13 of 2001.
- 2) Alabama committed to develop a glossary as well as web links and FAQ databases for a National Theme Team on Drinking Water and Human Health.

When was the project initiated?

- 1) In July of 2001 just after the National Conference in San Antonio, Texas.
- 2) Work has continued since that time with expansion far beyond the Drinking Water and Human Health theme.

What is the project focus?

- 1) Original focus was development of educational resources related only to Drinking Water and Human Health.
- 2) By 2003 focus was expanded to provide information on over 100 water-related subjects. Program management aspects were added. We have become a state portal for GIS layers used in land and water resources assessment, planning, management and education.



How is the project supported?

- 1) 25% of the Extension System Water Program Coordinator's time is dedicated to this activity.
- 2) Project receives partial CSREES grant support through a Southern Regional Project.
- 3) Congressional line-item and grant support for other water-related projects help support this activity.

Structure of Website

- Follows national program schemes
- Single menu driven home page
- All web pages are single frame
- All topics are separate pages
- Scrolling is minimized (2 pgs usually)
- Web pages designed to print on 8.5 x 11
- Index system for 105 sub topics
- Template data management system
- Internal key word(s) search mechanism

Website Resources

- Introduction to water program themes
- Indexed and printable articles (200)
- Questions and answers-FAQs (3686)
- Categorized web links (2190)
- Glossary of water-related terms (9921)
- State portal for ten GIS databases
- Special programs information
- News and upcoming events

Appearance/Structure/Resources

Applying knowledge to improve water quality

Alabama

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— Alabama Water Quality Information System —

Themes

- Publications
- FAQs
- Web Links
- Glossary
- Resources
- Water Testing
- GIS Data
- WQ Teams
- Directory
- Contact Us
- Sitemap
- National Site
- Southern Site

LOCAL LINKS ▾

Alabama Cooperative Extension System
Your Experts for Life

WELCOME

Welcome to the water quality information website of the Alabama Cooperative Extension System (ACES). This site organizes water related information and resources under major Theme topics and is supported by Auburn University, Alabama A&M University and Tuskegee University.

Articles, contacts, answers to questions, and many other links are available from this site as well as from our Southern Region and National sites. This is a One-Stop-Shop for Alabama citizens interested in learning more about their water resources.

Spotlight Programs:

- Drinking Water Scams (PPT)
- Watershed Restoration
- Stormwater / NEMO Program
- **Alabama Water Watch**
- Rivers of Alabama
- Alabama Animal Waste Management
- AL CAWV Program

NEWS and UPCOMING EVENTS:

Direct Link to Spotlight Program Websites



Alabama
Water
Watch

A program dedicated to developing citizen volunteer monitoring of Alabama's lakes, streams and coasts.



Click on map to search water data



About AWW Data Entry Calendar Monitor Resources Image Gallery Water Data



Alabama Water Watch

Seventh Annual Technical and Public Information Conference

Looking Back, Looking Forward... Status and Future of AWW

Saturday, February 4, 2006
9 a.m. - 4 p.m.
Comer Hall Auditorium, Room 207
181 Roosevelt Drive
Auburn University, Alabama

The conference will be broadcast live and interactive from the AU campus to remote locations in North, Central and South AL

[Click here for more information and registration](#)

[Related Projects](#)

[Impaired Streams in Alabama](#)

AWWARENESS
AWW's online Newsletter

Water Watchers in the smallest self governing county in the United States
...when the skies opened, contaminated rainwater washed down the hillside and into Donaldson Run and ..., into the Potomac...
[Click here to read the full article.](#)

Recertification Workshop in Smith Lake
Thank you to Deb and Bob Berry for their hospitality hosting the recertification and AWW personnel.
[Click here to see image gallery.](#)

This page has been loaded  82988 times since August 25, 1998.

Copyright © 2003-05 Auburn University and AWW. All rights reserved. This Website Last Updated on Friday, November 4, 2005.

Component on News and Upcoming Events added in 2004.



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ALABAMA COOPERATIVE
Extension
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NEWS and UPCOMING EVENTS: 

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- Alabama Animal Waste Management
- AL CAWV Program



NEWS and UPCOMING EVENTS:

Rain Gardens - Clean Water Begins at Home

Learn more about Residential Rain Gardens - attractive and functional landscape practices:

www.aces.edu/waterquality/mg.htm

Also, check out the Low Impact Development Resources Web site:

<http://www.aces.edu/waterquality/nemo/lidres.htm>

For more information on stormwater educational resources visit:

<http://www.aces.edu/waterquality/nemo/intro.htm>

Posted by brantef on [January 04, 2006](#) | [Comments \(0\)](#)

Watershed Academy - March 28 - 30

Mark your calendar and join us for the 5th Watershed Academy - Principles of Water Quality Monitoring, Planning and Restoration hosted by the University of Georgia.

Visit our web site: <http://www.aces.edu/waterquality/streams/academy5.htm>

For more information, email Deb Borden (dborden@engr.uga.edu) or Eve Brantley (brantef@auburn.edu).



— Watershed Management Workshops —

Watershed Academy:
*Principles of Water Quality Monitoring,
Planning, and Restoration*

March 28- 30, 2006
University of Georgia Center for Continuing Education
1197 South Lumpkin Street
Athens, Georgia 30602

Sponsored by:
USDA CSREES Southern Region Water Quality Program
University of Georgia
Clemson University
North Carolina State University
Auburn University
USEPA Region 4



Web Resources - Aligned with National CSREES Program Themes

1. Animal Waste Management
2. Drinking Water and Human Health
3. Environmental Restoration
4. Nutrient and Pesticide Management
5. Pollution Assessment and Prevention
6. Watershed Management
7. Water Conservation & Agricultural Water Management
8. Water Policy and Economics

Web Resources - Primary Water Topics

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health
4. Environmental Remediation and Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. Watershed Management
8. Water Conservation and Management
9. Water Policy and Economics



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NEWS and UPCOMING EVENTS:



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[WQ Teams](#)
[Directory](#)
[Contact Us](#)
[Sitemap](#)
[National Site](#)
[Southern Site](#)

— Water Quality Themes —

The following are Water Quality Themes or Target Programs for Alabama:

1. [General Water Information](#)
2. [Waste and Wastewater Management](#)
3. [Drinking Water and Human Health](#)
4. [Environmental Restoration](#)
5. [Nutrient and Pesticide Management](#)
6. [Pollution Assessment and Prevention](#)
7. [Watershed Management](#)
8. [Water Conservation and Management](#)
9. [Water Policy and Economics](#)



More Information on Themes.....

Waste and Wastewater Management

Addresses proper handling, storage and beneficial reuse of various waste materials including human and animal biosolids and industrial by-products.

Theme Leader(s): [Ted Tyson](#) and [Charles Mitchell](#)

[Auburn University Animal Waste Management Website](#)





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LOCAL LINKS



— Waste and Wastewater Management in Alabama —

Background:



We produce huge volumes of waste products in Alabama each year. Without proper management, some of these wastes can lead to excessive water pollution. Our primary waste sources are: *domestic and municipal sewage, animal enterprises, food processing industries, pulp and paper mills, other industrial enterprises, municipal refuse (includes lawn, yard and garden wastes), and household garbage*. Wastewater is one of our biggest potential pollutants, much of this (about 70%) is routed to wastewater treatment plants for processing to reduce pollution. But at least 30 percent of Alabama's citizens rely on onsite wastewater treatment systems, 98 percent of which are septic tank systems. We have numerous commercial septic tank systems, too. Concentrated animal feeding operations (CAFOs) and other animal feeding operations (AFOs) produce over 4.0 million tons of animal wastes annually in Alabama (at least 1.6 million tons from the broiler industry alone). These wastes must be stored, handled and utilized correctly to prevent water pollution from nutrient-rich runoff. Another 3.0 million tons of waste products generally classified as solid wastes are produced annually in Alabama. Many of these solid waste materials, if not disposed of properly can also pollute water. Examples of solid waste include household garbage, sewage sludge and industrial waste.



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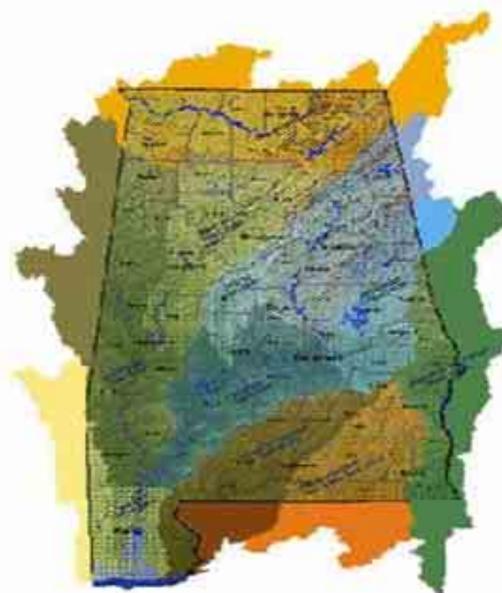


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- AL CAWV Program



NEWS and UPCOMING EVENTS:



Database Management



MENU

Add / Post Data	Add a Publication
Find / List Data	Add a FAQ
Edit Data	Add a Word
Delete Data	Add a Web Link
Access the Database	Post News BLOG

Add a FAQ to the Alabama Water Quality Information Website:
Fill in the information below and your FAQ will be added to our database. All fields with a red asterisk * are required!

STEP 1. ADD ADMINISTRATIVE DATA

FAQ Question:

FAQ Answer:

Keyword(s):

Web Link:

STEP 2. CODE THE PUBLICATION BY SUBJECT/SUB-SUBJECT

Major Subjects Arranged by National Themes

Select a Major Subject:
Waste and Wastewater Management
Drinking Water / Human Health
Environmental Restoration
Nutrient and Pesticide Management
Pollution Assessment and Prevention
Watershed Management
Water Conservation and Management

Then Select a Sub-Subject:

Click Here to Select the 1st Main Code

Code up to four different Sub-Subjects:

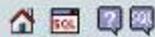
Click Here to Select a 2nd Code

Click Here to Select a 3rd Code

Click Here to Select a 4th Code

Upload the FAQ:

Reset and Clear this Form:



waterquality (14)

- alricweb
- dems
- directory
- doqqs
- faq
- glossary
- links
- ned_product
- newtry
- pubs
- ssurgo
- subjects
- topographic
- topos

Server: **mysql** ▶ Database: **waterquality** ▶ Table: **faq**

[Structure](#) [Browse](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Operations](#) [Empty](#) [Drop](#)

Field	Type	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> rowid	mediumint(11)	UNSIGNED	No		auto_increment	
<input type="checkbox"/> question	text		No			
<input type="checkbox"/> answer	text		No			
<input type="checkbox"/> Code	mediumint(5)		No	0		
<input type="checkbox"/> Code2	mediumint(27)		No	0		
<input type="checkbox"/> links	varchar(50)		No			
<input type="checkbox"/> keyword	varchar(100)		No			
<input type="checkbox"/> Code3	mediumint(10)		No	0		
<input type="checkbox"/> Code4	mediumint(10)		No	0		

[Check All](#) / [Uncheck All](#) With selected:

[Print view](#) [Propose table structure](#)

[Add](#) field(s) At End of Table At Beginning of Table After [Go](#)

Indexes: [?](#)

Keyname	Type	Cardinality	Action	Field
PRIMARY	PRIMARY	3657		rowid

Create an index on columns [Go](#)

Space usage:

Type	Usage
Data	3,063 KB
Index	37,888 Bytes
Total	3,100 KB

Row Statistics:

Statements	Value
Format	dynamic
Rows	3,657
Row length σ	857
Row size σ	868 Bytes
Next Autoindex	3,762
Creation	Oct 12, 2004 at 11:09 AM

Total Index: 105 Water-Related Subtopics

42 General Water Information Subtopics

— General Water Information Publications—

The following publications are sub-categorized under General Water Information titles. For more information you can search our General Water Information Links section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. Acid Rain and Acidic Water Problems
2. Agriculture and Forestry Water Relationships
3. Aquatic Organisms and Water Quality Relationships
4. Biological Contamination and Water Quality Impacts
5. Chemical Contamination and Water Quality Impacts
6. Climate and Water Impacts
7. Construction/Landscaping and Land Disturbance Impacts
8. Desalination/Desalinization
38. Water Scams
39. Water and Soil Relationships
40. Wetlands
41. Wet Weather and Moisture-Related Problems
42. Wood Preservation and Water Quality

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

8 Waste and Wastewater Management Subtopics

— Waste and Wastewater Management Publications —

The following publications are sub-categorized under Waste and Wastewater Management titles. For more information you can search our [Waste and Wastewater Management Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Animal Waste and Wastewater
3. Bio-solids and Sludge
4. Composting
5. Hazardous Waste
6. Household Waste and Wastewater
7. Industrial/Municipal/Commercial Waste and Wastewater
8. Recycling, Reduction, Reuse and Waste Prevention

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

* If the information you are seeking is not located within our database and you would like to see it added, please inform us via [Contact Us](#).

12 Drinking Water and Human Health Subtopics

— Drinking Water and Human Health Publications —

The following publications are sub-categorized under Drinking Water and Human Health titles. For more information you can search our [Drinking Water and Human Health Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Community (Public Access) Systems
3. Private (Individual Household) Systems
4. Domestic Animal Supply Systems
5. Bottled/Packaged Water Supplies
6. Drinking Water Contaminants
7. Drinking Water Disinfection
8. Drinking Water Standards
9. Drinking Water Testing
10. Drinking Water Treatment
11. Identifying Problems and Solutions
12. Source Water Assessment and Protection

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

10 Environmental Remediation and Restoration Subtopics

— Environmental Remediation and Restoration Publications—

The following articles are sub-categorized under Environmental Restoration titles. For more information you can search our [Environmental Restoration Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Soil Industrial Sites (Brown-fields)
3. Ground Water
4. Rivers and Steams
5. Lakes and Reservoirs
6. Sinkholes and Wells
7. Shorelines/Coastal Areas and Oceans
8. Wetlands
9. Mined Lands
10. Bio- and Phyto-Remediation

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

5 Nutrient and Pesticide Management Subtopics

— Nutrient and Pesticide Management Publications —

The following publications are sub-categorized under Nutrient and Pesticide Management titles. For more information you can search our Nutrient and Pesticide Management Links section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Agriculture and Forestry
3. Urban Environments
4. Around Personal Residences
5. Other Land and Water Environments

#2 Conduct a quick search by using keywords:

Enter a Keyword or Keywords

Find It!

7 Pollution Assessment and Prevention Subtopics

— Pollution Assessment and Prevention Publications —

The following publications are sub-categorized under Pollution Assessment and Prevention titles. For more information you can search our [Pollution Assessment and Prevention Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Agriculture and Forestry
3. Urban Environments
4. Around Personal Residences
5. Coastal and Marine Environments
6. For Ground Water
7. For Surface Water

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

8 Watershed Management Subtopics

— Watershed Management Publications —

The following publications are sub-categorized under Watershed Management titles. For more information you can search our Watershed Management Links section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Watershed Approach
3. Watershed Partnerships
4. Watershed-Based Education
5. Watershed-Based Monitoring / Assessment
6. Coastal Watersheds
7. Total Maximum Daily Load (TMDL) Program
8. Watershed-Based Pollutant Trading

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

5 Water Conservation and Management Subtopics

— Water Conservation and Management Publications —

The following database is a compendium of publications subcategorized under Water Conservation and Management titles. For more information you can search our [Water Conservation and Management Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. [General Information](#)
2. [Agriculture and Forestry](#)
3. [Urban Environments](#)
4. [Around Private Residences](#)
5. [Other Areas](#)

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

8 Water Policy and Economics Subtopics

— Water Policy and Economics Publications —

The following publications are sub-categorized under Water Policy and Economics titles. For more information you can search our [Water Policy and Economics Links](#) section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. General Information
2. Sustaining Future Growth and Development
3. Water Transfer and Use Conflicts
4. Water Supply and Marketing Economics
5. Water Quality/Pollution Abatement Economics and Conflicts
6. Stewardship vs. Incentives vs. Enforcement Issues
7. Private Rights vs. Public Good
8. Risks and Risk Assessment

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

Three ways to find a publication

— Water Related Publications —

The following database is a compendium of publications on a wide variety of water related topics. The articles are subcategorized under general information or one of the eight current USDA/CSREES Water Quality Themes. In addition to the following articles, we have links to many web based water quality information sites in our Links section.

Listed below are three methods for finding publications!

#1 Publications are arranged by primary topic and subject areas:

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health
4. Environmental Remediation and Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. Watershed Management
8. Water Conservation and Management
9. Water Policy and Economics

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords:

#3 Complete Alphabetical Listing of all Publications:

A thru Z

Using the Index System

— Water Related Publications —

The following database is a compendium of publications on a wide variety of water related topics. The articles are subcategorized under general information or one of the eight current USDA/CSREES Water Quality Themes. In addition to the following articles, we have links to many web based water quality information sites in our [Links](#) section.

Listed below are three methods for finding publications!

#1 Publications are arranged by primary topic and subject areas:

1. [General Water Information](#)
2. [Waste and Wastewater Management](#)
3. [Drinking Water and Human Health](#)
4. [Environmental Remediation and Restoration](#)
5. [Nutrient and Pesticide Management](#)
6. [Pollution Assessment and Prevention](#)
7. [Watershed Management](#)
8. [Water Conservation and Management](#)
9. [Water Policy and Economics](#)

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords:

#3 Complete Alphabetical Listing of all Publications:

[A thru Z](#)

Selecting General Water Information Primary Topic

— Water Related Publications —

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Listed below are three methods for finding publications!

#1 Publications are arranged by primary topic and subject areas:

1. [General Water Information](#)
2. [Waste and Wastewater Management](#)
3. [Drinking Water and Human Health](#)
4. [Environmental Remediation and Restoration](#)
5. [Nutrient and Pesticide Management](#)
6. [Pollution Assessment and Prevention](#)
7. [Watershed Management](#)
8. [Water Conservation and Management](#)
9. [Water Policy and Economics](#)

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords:

#3 Complete Alphabetical Listing of all Publications:

A thru Z

Selecting 1st Sub-Topic

— General Water Information Publications—

The following publications are sub-categorized under General Water Information titles. For more information you can search our General Water Information Links section.

Listed below are two ways for locating publications!

#1 Select a sub-topic to find a publication on that subject:

1. [Acid Rain and Acidic Water Problems](#)
2. [Agriculture and Forestry Water Relationships](#)
3. [Aquatic Organisms and Water Quality Relationships](#)
4. [Biological Contamination and Water Quality Impacts](#)
5. [Chemical Contamination and Water Quality Impacts](#)
6. [Climate and Water Impacts](#)
7. [Construction/Landscaping and Land Disturbance Impacts](#)
8. [Desalination/Desalinization](#)
9. [Fisheries \(Aquaculture\) Production and Water Quality](#)
10. [GIS Applications to Water Resources](#)



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— Choose a Publication From the Following List —

1. - Acid Rain: An Overview
2. - Chemical Feed Pumps
3. - Corrosion
4. - Water Corrosivity and Your Plumbing System

— You Have Selected the Following Publication —

We have provided the publication you requested as an Adobe pdf file. Click on the title to open the file.

[Water Corrosivity and Your Plumbing System](#)

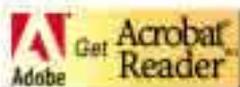
Published date: 2002



Author(s): Jim Hairston, Joey Shaw, Eve Brantley, and John Beck

Description: Corrosive water can cause physical damage to plumbing systems, create taste problems, and create a health risk. These three concerns are discussed below in this six page Timely Information Article.

If you do not have a copy of Adobe Reader you can download a free copy by clicking on the following logo:





WATER QUALITY

TIMELY INFORMATION

Agriculture & Natural Resources

AGRONOMY & SOILS, AUBURN UNIVERSITY, AL 36849-5412

WQ-08a-02

AUGUST, 2002

WATER CORROSIVITY AND YOUR PLUMBING SYSTEM

James E. Hairston, Professor and Water Quality Coordinator
Joey N. Shaw, Assistant Professor of Pedology
Eve Brantley, Agricultural Program Associate I, Water Quality
John M. Beck, Agricultural Program Associate II, Water Quality

Corrosivity is defined as the condition of water that causes it to dissolve metals, such as those in metallic plumbing, at an excessive rate. All water is somewhat corrosive, but the primary factors that make water highly

Effects of Corrosive Water

Corrosive water can cause physical damage to plumbing systems, create taste problems, and create a health risk. These three concerns are

- 36. [Water Rights, Laws and Regulations](#)
- 37. [Water Safety](#)
- 38. [Water Scams](#)
- 39. [Water and Soil Relationships](#)
- 40. [Wetlands](#)
- 41. [Wet Weather and Moisture-Related Problems](#)
- 42. [Wood Preservation and Water Quality](#)

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1. - Alabama Farm*A*Syst: Animal Waste Products Used in Crop and Forage Production
2. - Alabama's Certified Animal Waste Vendor Program: What You Need to Know
3. - Animal Waste and How It Affects Water Quality
4. - Animal Waste and Water Quality
5. - Animal Waste Application Rates Based On Nitrogen Needs
6. - Animal Waste Management Planning
7. - Animal Waste Management Systems
8. - [Constructed Wetlands for Animal Waste Treatment](#)
9. - Planning and Managing Lagoons for Dairy Waste Management
10. - Planning and Managing Lagoons for Poultry Layer Waste Treatment
11. - Selecting, Planning, and Managing Dairy Waste Storage Ponds

LOCAL LINKS 



GO Back One
Page

Search for a
Different Article

— You Have Selected the Following Publication —

We have provided the publication you requested as an Adobe pdf file. Click on the title to open the file.

[Constructed Wetlands for Animal Waste Treatment](#)

Published date: 1996



Author(s): Ted W. Tyson

Description: This five page article describes how constructed wetlands can help treat animal waste. It also lists some limitations associated with this practice. Reviews of swine waste vs. dairy waste are included.

If you do not have a copy of Adobe Reader you can download a free copy by clicking on the following logo:





Thursday, August 12, 2004

Search our site

ACES Publication ▾



Publications Homepage
ACES Homepage · County Offices



Printable Copy (HTML)



Author: TYSON
PubID: ANR-
0965

Title: CONSTRUCTED WETLANDS FOR ANIMAL WASTE
TREATMENT

Pages: 4 Balance: 150
Status: IN STOCK

< Back

Constructed Wetlands for Animal Waste Treatment

ANR-965, New Feb 1996. Ted W. Tyson, *Extension Agricultural Engineer*, Associate Professor, Agricultural Engineering, Auburn University

Managing Animal Wastes

Managing the waste produced by confined animal feeding operations is a major agricultural and environmental challenge. Confined animal feeding operations continually generate huge amounts of animal waste and must have waste management systems adequate to handle these large amounts of waste. In addition, waste management systems for different animal operations must process various types of waste. For dairy and swine farms the animal waste system must process both liquid and solid waste; for poultry layer farms, primarily liquid waste; for poultry broiler farms, mostly solid waste.

Two Ways to Find FAQ Answers

— Frequently Asked Questions —

This database is a compendium of Frequently Asked Questions (**FAQs**) on a wide variety of water related topics. The questions are sub-categorized under General Information or one of the eight current USDA/CSREES Water Quality Themes. In addition to the following FAQs, we have links to many web based water quality information in our [Publications](#) and [Links](#) sections.

Listed below are two ways to find Questions and Answers to many Water Quality Related Issues! We call this our FAQ database!

#1 Questions arranged by primary topic and subject areas:

1. [General Water Information](#)
2. [Waste and Wastewater Management](#)
3. [Drinking Water and Human Health](#)
4. [Environmental Restoration](#)
5. [Nutrient and Pesticide Management](#)
6. [Pollution Assessment and Prevention](#)
7. [Watershed Management](#)
8. [Water Conservation and Management](#)
9. [Water Policy and Economics](#)

#2 Conduct a quick search based on a keyword(s):

Enter a keyword or keywords

Use Index: Select a primary topic.

#1 Questions arranged by primary topic and subject areas:

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health 
4. Environmental Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. Watershed Management
8. Water Conservation and Management
9. Water Policy and Economics

#2 Conduct a quick search based on a keyword(s):

Enter a keyword or keywords

Find It!

*

If the information you are seeking is not located within our database and you would like to see it added, please inform us via [Contact Us](#).



GO Back One
Page

12 DWHH Subtopics and Search Box Appears

Listed below are two ways to find Questions and Answers to many Drinking Water and Human Health Related Issues!

#1 Select a sub-topic to find FAQs on that subject:

1. General Information
2. Community (Public Access) Systems
3. Private (Individual Household) Systems
4. Domestic Animal Supply Systems
5. Bottled/Packaged Water Supplies
6. Drinking Water Contaminants
7. Drinking Water Disinfection
8. Drinking Water Standards
9. Drinking Water Testing
10. Drinking Water Treatment
11. Identifying Problems and Solutions
12. Source Water Assessment and Protection

#2 Conduct a quick search by using keywords:

Enter a keyword or keywords

Find It!

First Page of 30 Questions Appear—Select 28

- 24.-Can a Birm or Birm Blend filter system used to remove iron from water also be used to remove hydrogen sulfide?
- 25.-Can a carbon-block multipurpose filter system be used as a whole house filter?
- 26.-Can a chemical sequestering agent be used to sequester water hardness to prevent scaling?
- 27.-Can a community water system (CWS) install point of use (POU) or point of entry (POE) devices on individual households as a strategy to control system-wide contaminants?
- 28.-Can a sales representative produce a yellow scum in good quality tap water by just placing electrodes in the water and running an electric current between them?
- 29.-Can a sand filter designed for swimming pools be converted to a manganese greensand filter for removing iron and manganese from drinking water?
- 30.-Can a sequestering agent be added to water to prevent iron staining?

Answer to Question Number 28

— Frequently Asked Question (FAQ) Result —

We have provided the Question and the Answer to the FAQ that you requested!

QUESTION:

Can a sales representative produce a yellow scum in good quality tap water by just placing electrodes in the water and running an electric current between them?

ANSWER:

Yes, and this could be an elaborate scam to convince you to purchase a water filtration system that you may not need. Your water will have enough salts to conduct a current. This yellow sludge is most likely coming from the formation of iron hydroxide, not coming from invisible chemicals in your water. One of the electrodes placed in the water probably contains iron. When a current is run between two electrodes in water it can cause water to break down into oxygen and hydrogen (electrolysis). But if one of the electrodes is made of iron, it reacts with water to form a precipitate of yellow or orange iron hydroxide—or rust.

Using key word(s) search is usually faster.

Listed below are two ways to find Questions and Answers to many Water Quality Related Issues! We call this our FAQ database!

#1 Questions arranged by primary topic and subject areas:

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health
4. Environmental Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. Watershed Management
8. Water Conservation and Management
9. Water Policy and Economics

#2 Conduct a quick search based on a keyword(s):

Enter a keyword or keywords



In this particular case "scum" appears in only two FAQs.

— Choose a Frequently Asked Question (FAQ) —

- 1.-Can a sales representative produce a yellow scum in good quality tap water by just placing electrodes in the water and forming an electric current between them?

- 2.-I have a black scum forming in the end of my faucets. How can I tell if it is organic, a mineral precipitate or a corrosion product?

You get the same result of course.

— Frequently Asked Question (FAQ) Result —

We have provided the Question and the Answer to the FAQ that you requested!

QUESTION:

Can a sales representative produce a yellow scum in good quality tap water by just placing electrodes in the water and running an electric current between them?

ANSWER:

Yes, and this could be an elaborate scam to convince you to purchase a water filtration system that you may not need. Your water will have enough salts to conduct a current. This yellow sludge is most likely coming from the formation of iron hydroxide, not coming from invisible chemicals in your water. One of the electrodes placed in the water probably contains iron. When a current is run between two electrodes in water it can cause water to break down into oxygen and hydrogen (electrolysis). But if one of the electrodes is made of iron, it reacts with water to form a precipitate of yellow or orange iron hydroxide—or rust.

Finding web links is essentially the same as that for FAQs.

— Water Quality Web Links —

The following is a comprehensive database containing a detailed list of Educational (Universities, Colleges, High Schools, etc.), Governmental (Federal, State, and Local Agencies), Organizational (non-profits), Commercial and International Web Links that deal with water quality issues.

Listed below are two ways to find the Web Link you need!

#1 Web Links are arranged by primary Topic and Subject areas:

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health
4. Environmental Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. Watershed Management
8. Water Conservation and Management
9. Water Policy and Economics

#2 Conduct a quick search by using keyword(s):

- All Categories
- Educational
- Governmental
- Organizational
- Commercial
- International

Select a Category and then Enter a Keyword or Keywords

Find It!

Selecting Primary Topic—“Watershed Management”

#1 Web Links are arranged by primary Topic and Subject areas:

1. General Water Information
2. Waste and Wastewater Management
3. Drinking Water and Human Health
4. Environmental Restoration
5. Nutrient and Pesticide Management
6. Pollution Assessment and Prevention
7. **Watershed Management**
8. Water Conservation and Management
9. Water Policy and Economics

#2 Conduct a quick search by using keyword(s):

- All Categories
- Educational
- Governmental
- Organizational
- Commercial
- International

Select a Category and then Enter a Keyword or Keywords

Find It!

Select one of 8 secondary topics.

— Watershed Management Web Links —

The following is a list of eight (8) subtopics for which we have a variety of web link. Click here to select all links under the Watershed Management Category.

Listed below are two ways to find the web links you need!

#1 Select a sub-topic to find a web link on that subject:

1. General Information
2. Watershed Approach
3. Watershed Partnerships
4. Watershed-Based Education
5. Watershed-Based Monitoring / Assessment
6. Coastal Watersheds
7. **Total Maximum Daily Load (TMDL) Program**
8. Watershed-Based Pollutant Trading

#2 Conduct a quick search by using keyword(s):

- All Categories
- Educational
- Governmental
- Organizational
- Commercial
- International

Select a Category and then Enter a Keyword or Keywords

Links are classified as one of five categories.

— Choose a Web Link Category —

- Commercial Links - (Companies, Corporations, etc)
- Educational Links - (Universities, Colleges, High Schools, etc.)
- Governmental Links** - (Federal, State, and Local Agencies)
- International Links - (Overseas Web Links)
- Organizational Links - (Non-Profits, and other public entities)

— Choose a Web Link—

Governmental Web Links

(Total Maximum Daily Load (TMDL) Program)

- 1.- Florida Department of Environmental Protection-Total Maximum Daily Loads
- 2.- Impaired Waters/Total Maximum Daily Load - Minnesota Department of Agriculture
- 3.- Modeling & TMDL Unit - North Carolina Department of Environment and Natural Resources
- 4.- [Total Maximum Daily Loads - EPA](#)





Total Maximum Daily Loads

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) Search: **GO**

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > TMDLs

[2006 Integrated Report Guidance Available](#)

TMDL Reports, providing a summary of the TMDL program, are available for EPA Regions and the states. Use the map to select a state or EPA Region for a TMDL report. A [national report may be viewed by clicking here](#). Click here to view a [text only version of this map](#).



Features

[2006 Integrated Report Guidance](#)

[Audio version of Sept. 28, 2005 Webcast Seminar on "The ABCs of TMDLs for Stakeholders"](#)

Visit <http://www.tmdl.net/> [\[EXIT disclaimer\]](#) to see sample TMDLs and other important information on TMDLs

- Intro to TMDLs
- Policy/Program Documents
- Technical Support Documents
- Example TMDLs
- Air Deposition
- Litigation Status
- Meetings/Training/ Listservers
- Other Links
- TMDL Archives

[Click here to access Geographical Information System \(GIS\) and related data files.](#)

Two Ways to Find Words in Glossary

— Glossary of Water Related Terms —

The following is a comprehensive glossary of water resources, water quality, water use and water management terms. In addition to the following glossary, we have links to water quality sites in our [Publications](#) and [Links](#) sections, which have specific glossaries.

Listed below are two ways to find a definition!

#1 Conduct a Quick Search:

Insert a word to find its definition!

Find It!

#2 Alphabetical Listing:

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

* If the word you are seeking is not located within our glossary and you would like to see it added, please inform us via [Contact Us](#).

Select words or phrases beginning with "A"

— Glossary of Water Related Terms —

The following is a comprehensive glossary of water resources, water quality, water use and water management terms. In addition to the following glossary, we have links to water quality sites in our [Publications](#) and [Links](#) sections, which have specific glossaries.

Listed below are two ways to find a definition!

#1 Conduct a Quick Search:

Insert a word to find its definition!

Find It!

#2 Alphabetical Listing:

 **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z**

* If the word you are seeking is not located within our glossary and you would like to see it added, please inform us via [Contact Us](#).

27 Pages of words/phrases beginning with the letter "A"

— Choose a Definition—

1. - abandoned water right
2. - abandoned well
3. - abandonment
4. - abandonment of a dam
5. - abatement
6. - abiota
7. - abiotic
8. - abiotics
9. - ablation
10. - aboriginal water right
11. - above ground storage tank
12. - aboveground storage tank
13. - abrasion
14. - absolute filter rating
15. - absolute humidity
16. - absolute purity water
17. - absolute temperature (T)
18. - absolute viscosity
19. - absolute zero
20. - absorb
21. - absorber
22. - absorption
23. - absorption factor
24. - absorption loss
25. - absorption system

<Previous| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 |Next>

Click on desired word or phrase.

— Choose a Definition—

1. - **abandoned water right**
2. - abandoned well
3. - abandonment
4. - abandonment of a dam
5. - abatement
6. - abiota
7. - abiotic
8. - abiotics
9. - ablation
10. - aboriginal water right
11. - above ground storage tank
12. - aboveground storage tank
13. - abrasion
14. - absolute filter rating
15. - absolute humidity
16. - absolute purity water
17. - absolute temperature (T)
18. - absolute viscosity
19. - absolute zero
20. - absorb
21. - absorber
22. - absorption
23. - absorption factor
24. - absorption loss
25. - absorption system

You get the definition. NOTE: You may be referred to other terms and you can go back one page or to the beginning of the glossary index.

— Definition Result —

abandoned water right -- A water right which has not been put to Beneficial Use for generally five or more years, in which the owner of the water right states that the water right will not be used, or takes such actions that would prevent the water from being beneficially used. Compare to Forfeited Water Right.



[GO Back One
Page](#)

[Start a New
Definition Search](#)

GIS Resources for Alabama

1. USGS Topographic Quad Sheets
2. Digital Elevation Models (DEM)
3. Digital Ortho Quarter Quads (DOQQ)
4. Digital Soils Data (STATSGO, SSURGO)
5. Land Use/Land Cover Data
6. Hydrology, Rivers, Streams, Lakes
7. Roads and Transportation
8. Demographics/Population Data
9. Geology and Land Form
10. Reference Maps in PDF & JPG Format

Themes

Publications

FAQs

Web Links

Glossary

Resources

Water Testing

GIS Data

WQ Teams

Directory

Contact Us

Sitemap

National Site

Southern Site

LOCAL LINKS 

— Geographic Spatial (GIS) Data —

The following GIS datasets are available. GIS data sets are projected using the system that is most appropriate for the data. Be sure to check the Metadata for projection and datum information.

GIS data are not necessarily directly readable with standard Windows or MacOS programs. We have compiled a short list of FREE data viewers that you can download by clicking [here](#).

We are constantly updating the lists as data become available and as information is updated. If the data you require is not available here, please contact us to let us know your needs.

- - GIS Data Currently Available - -

Digital Raster Graphics - USGS Topographic Quad Sheets

1:24,000 Quad Sheets, no collars

1:100,000 Regional Sheets, no collars

Digital Elevation Models

30 meter DEMs, full seamless coverage (by County, includes optional DEM derivatives)

(MS Internet Explorer required)

10 meter DEMs, spotty coverage

(MS Internet Explorer required)

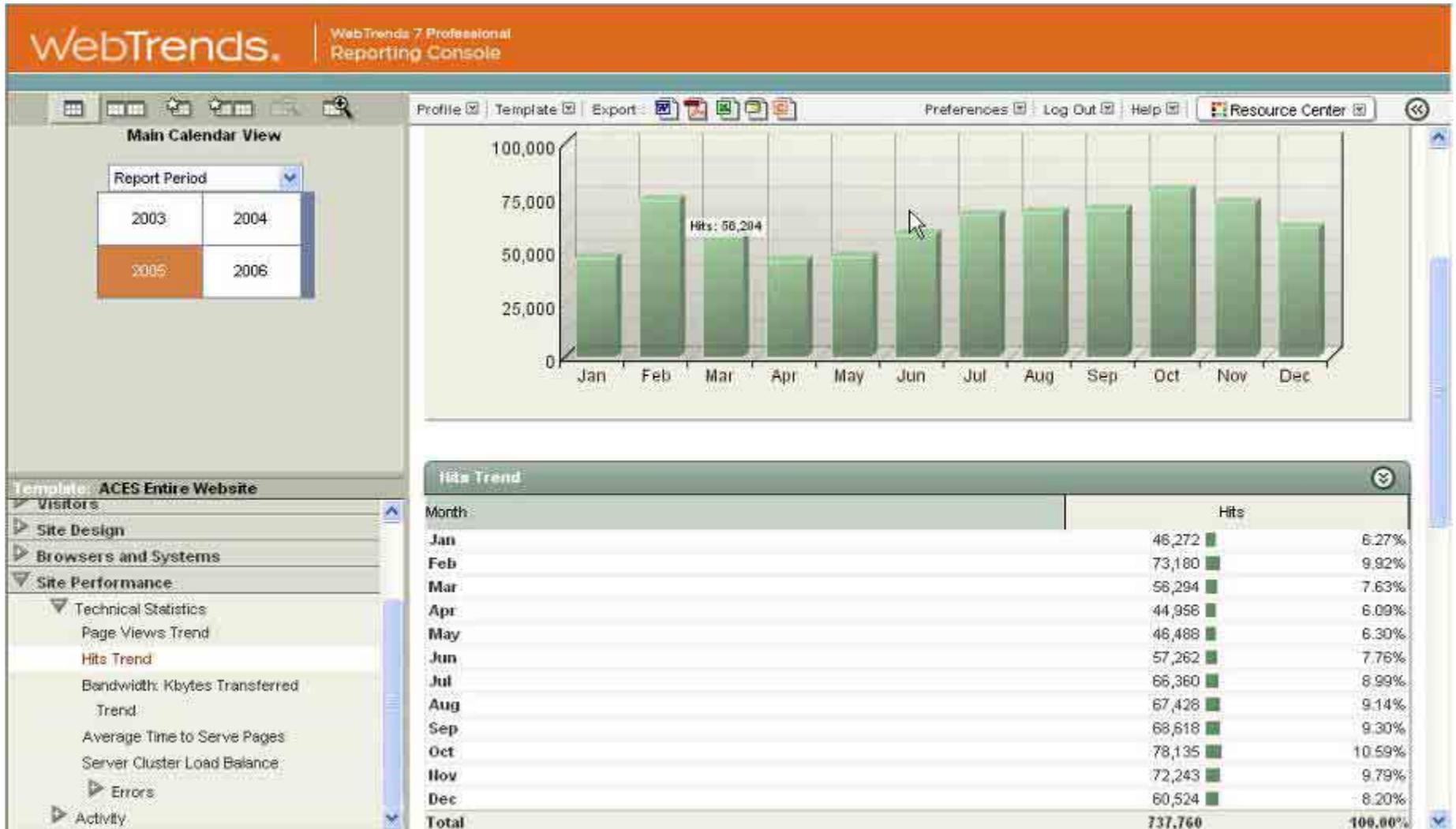
2005 Web Trends

- Site visits and patterns
- Data download patterns
- Entry pages
- Referrers

Web Trends Overview for Water Program Pages in 2005



Web Page Hits by Month for 2005



Pages viewed most in 2005

Pages					
<input type="checkbox"/> 10 <input type="checkbox"/> 20 <input type="checkbox"/> 50 <input type="checkbox"/> 100 <input type="text" value="Go To"/> <input type="text" value="Query"/> <input type="text" value="Search"/>					
Pages	<input type="checkbox"/> Visits	<input type="checkbox"/> Views	<input type="checkbox"/> Average Time Viewed	<input type="checkbox"/> Average Time to Serve (ms)	
1. Alabama Water Quality Information System - FAQ Results http://www.aces.edu/waterquality/faq/faq_results.php3	5,037	39,049	00:00:38	0	
2. Alabama Water Quality Information System http://www.aces.edu/waterquality/faq/faq_list.php3	3,691	10,185	00:00:43	0	
3. Alabama Water Quality Information System - Glossary Results http://www.aces.edu/waterquality/glossary/glossary_results.php3	3,111	36,926	00:00:21	0	
4. Alabama Water Quality Information System - Geo-Spatial Data http://www.aces.edu/waterquality/gis_data/gis_data.htm	3,085	4,104	00:00:48	0	
5. Alabama Water Quality Information System http://www.aces.edu/waterquality/	2,611	3,957	00:01:10	0	
6. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/general.htm	1,711	1,956	00:02:50	0	
7. Alabama Water Quality Information System - Digital Ortho Quarter Quads http://www.aces.edu/waterquality/gis_data/dogg_data.htm	1,689	2,274	00:00:33	0	
8. Alabama Water Quality Information System http://www.aces.edu/waterquality/gis_data/dogg_list_co.php3	1,644	3,263	00:05:08	0	

Where Site Visits are Coming From—Geographic Regions

Regions		10	20	Go To 	Query 	
Regions		Visits 				
1.	North America	50,292		82.39%		
2.	Western Europe	3,938		6.45%		
3.	Asia	2,782		4.56%		
4.	Eastern Europe	1,009		1.65%		
5.	Middle East	889		1.46%		
6.	Northern Europe	532		0.87%		
7.	Australia	394		0.65%		
8.	South America	320		0.52%		
9.	Northern Africa	171		0.28%		
10.	Unspecified Region	138		0.23%		
11.	Eastern Africa	132		0.22%		
12.	Central America	113		0.19%		
13.	Southern Africa	97		0.16%		
14.	Pacific Islands	84		0.14%		
15.	Caribbean Islands	82		0.13%		
16.	Western Africa	63		0.10%		
17.	Central Africa	3		0.00%		
18.	Unknown Region	1		0.00%		
Total		61,040		100.00%		

items 1-18 of 18

Where Site Visits are Coming From—Country

Countries		10	20	50	100	Go To	Query	
Countries	Visits ▾							
1. United States (US)	48,201	<div style="width: 78.97%;"></div>		78.97%				
2. Canada (CA)	1,340	<div style="width: 2.20%;"></div>		2.20%				
3. Netherlands (NL)	1,108	<div style="width: 1.82%;"></div>		1.82%				
4. United Kingdom (UK)	914	<div style="width: 1.50%;"></div>		1.50%				
5. Mexico (MX)	751	<div style="width: 1.23%;"></div>		1.23%				
6. India (IN)	540	<div style="width: 0.88%;"></div>		0.88%				
7. China (CN)	533	<div style="width: 0.87%;"></div>		0.87%				
8. Belgium (BE)	432	<div style="width: 0.71%;"></div>		0.71%				
9. France (FR)	424	<div style="width: 0.69%;"></div>		0.69%				
10. Germany (DE)	403	<div style="width: 0.66%;"></div>		0.66%				
11. Japan (JP)	394	<div style="width: 0.65%;"></div>		0.65%				
12. Australia (AU)	394	<div style="width: 0.65%;"></div>		0.65%				
13. Norway (NO)	333	<div style="width: 0.55%;"></div>		0.55%				
14. Czech Republic (CZ)	281	<div style="width: 0.46%;"></div>		0.46%				
15. Israel (IL)	218	<div style="width: 0.36%;"></div>		0.36%				
16. Korea (South) (KR)	200	<div style="width: 0.33%;"></div>		0.33%				
17. Philippines (PH)	194	<div style="width: 0.32%;"></div>		0.32%				
18. Italy (IT)	187	<div style="width: 0.31%;"></div>		0.31%				
19. Malaysia (MY)	182	<div style="width: 0.30%;"></div>		0.30%				
20. Thailand (TH)	169	<div style="width: 0.28%;"></div>		0.28%				
Subtotal for rows: 1 - 20	57,198	<div style="width: 93.71%;"></div>		93.71%				
Other	3,842	<div style="width: 6.29%;"></div>		6.29%				
Total	61,040	<div style="width: 100.00%;"></div>		100.00%				

items 1-20 of 155 [Go Forward 1](#) [Next 20](#) [Last 20](#)

Where Site Visits are Coming From—States

North American States and Provinces		10	20	50	100	Go To	Query	
States and Provinces	Visits							
1. California	6,920		17.55%					
2. Georgia	6,145		15.58%					
3. New York	3,050		7.73%					
4. Alabama	2,974		7.54%					
5. Texas	2,913		7.39%					
6. Virginia	2,288		5.80%					
7. Missouri	2,169		5.50%					
8. Florida	1,767		4.48%					
9. North Carolina	979		2.48%					
10. Colorado	912		2.31%					
11. Ontario	665		1.69%					
12. D.C.	652		1.65%					
13. Tennessee	587		1.49%					
14. Illinois	535		1.36%					
15. Massachusetts	519		1.32%					
16. Minnesota	494		1.25%					
17. Pennsylvania	482		1.22%					
18. South Carolina	448		1.14%					
19. Washington	384		0.97%					
20. Maryland	381		0.97%					
Subtotal for rows: 1 - 20	35,264		89.42%					
Other	4,174		10.58%					
Total	39,438		100.00%					

items 1-20 of 60

[Go Forward 1](#) [Next 20](#) [Last 20](#)

Where Site Visits are Coming From—Cities

Cities			10	20	50	100	Go To	Query	Search	
City		Visits								
1.	Atlanta, Georgia, United States	5,218								11.09%
2.	Marina Del Rey, California, United States	4,134								8.79%
3.	New York, New York, United States	2,189								4.65%
4.	Saint Louis, Missouri, United States	1,980								4.21%
5.	Fairfax, Virginia, United States	1,547								3.29%
6.	Dallas, Texas, United States	1,365								2.90%
7.	Montgomery, Alabama, United States	1,190								2.53%
8.	Richardson, Texas, United States	953								2.03%
9.	San Jose, California, United States	924								1.96%
10.	Birmingham, Alabama, United States	820								1.74%
11.	Redwood City, California, United States	734								1.56%
12.	Washington, D.C., United States	652								1.39%
13.	West Point, Georgia, United States	574								1.22%
14.	London, United Kingdom	510								1.08%
15.	Raleigh, North Carolina, United States	468								0.99%
16.	Beijing, China	460								0.98%
17.	Minneapolis, Minnesota, United States	429								0.91%
18.	Lake Mary, Florida, United States	429								0.91%
19.	Amsterdam, Netherlands	380								0.81%
20.	Orlando, Florida, United States	366								0.78%
Subtotal for rows: 1 - 20		25,322								53.81%
Other		21,733								46.19%
Total		47,055								100.00%

items 1-20 of 200

[Go Forward 1](#) [Next 20](#) [Last 20](#)

Visits and Visitors by Month in 2005

Visitors Trend					
Month	Active Visits	Visitors	New Visitors	Average Visit Duration	Visitor Minutes
Jan	3,615	2,814	0	00:02:22	8,588.58
Feb	4,198	3,382	0	00:02:22	9,976.35
Mar	4,723	3,495	0	00:02:51	13,500.98
Apr	4,201	3,241	0	00:01:47	7,531.58
May	4,182	3,396	0	00:02:24	10,038.77
Jun	3,768	2,923	0	00:03:16	12,334.88
Jul	3,683	2,908	0	00:04:29	16,517.30
Aug	5,536	4,165	0	00:03:03	16,927.62
Sep	5,999	4,883	0	00:02:24	14,481.32
Oct	8,567	6,464	0	00:01:56	16,670.90
Nov	6,813	5,351	0	00:02:19	15,818.12
Dec	5,689	4,512	0	00:01:43	9,772.62
Total	-	-	0	-	152,159.02
Average	5,081	3,961	0	-	12,679.92

Entry Pages to the Website

WebTrends 7 Professional Reporting Console

Profile | Template | Export | Preferences | Log Out | Help | Resource Center

Main Calendar View

Report Period

2003	2004
2005	2006

Template: ACES Entire Website

- Directories
- Downloaded Files
- Accessed File Types
- Uploaded Files
- Navigation
 - Entry Pages
 - Exit Pages
 - Single-Page Visits
- Path Analysis
- Paths, Forward
- Browsers and Systems
- Site Performance

Entry Pages

Pages	Visits	
1. Alabama Water Quality Information System - FAQ Results http://www.aces.edu/waterquality/faq/faq_results.php3	3,413	7.76%
2. Alabama Water Quality Information System http://www.aces.edu/waterquality/faq/faq_list.php3	2,711	6.17%
3. Alabama Water Quality Information System - Glossary Results http://www.aces.edu/waterquality/glossary/glossary_results.php3	2,639	6.00%
4. Alabama Water Quality Information System http://www.aces.edu/waterquality/	2,186	4.97%
5. Alabama Water Quality Information System - Geo-Spatial Data http://www.aces.edu/waterquality/gis_data/gis_data.htm	1,737	3.95%
6. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/general.htm	1,353	3.08%
7. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/design.htm	1,350	3.07%
8. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/academy3.htm	1,232	2.80%
9. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/academy4.htm	941	2.14%
10. Alabama Water Quality Information System - Water shed Management http://www.aces.edu/waterquality/themes/watershed.htm	863	1.96%
11. Water Quality Information System - Environmental Restoration http://www.aces.edu/waterquality/streams/montgomery1.htm	792	1.80%
12. Alabama Water Quality Information System - Waste and Wastewater Management http://www.aces.edu/waterquality/themes/waste_management.htm	661	1.50%
13. Alabama Water Quality Information System - Digital Ortho Quarter Quads http://www.aces.edu/waterquality/gis_data/doqq_data.htm	636	1.45%
14. Alabama Water Quality Information System http://www.aces.edu/waterquality/gis_data/doqq_list.php3	618	1.41%
15. http://www.aces.edu/waterquality/gis_data/doqq_list.php3	500	1.13%

Hits and Page View Trends by Month in 2005 (Opening home page is not registered as a hit.)



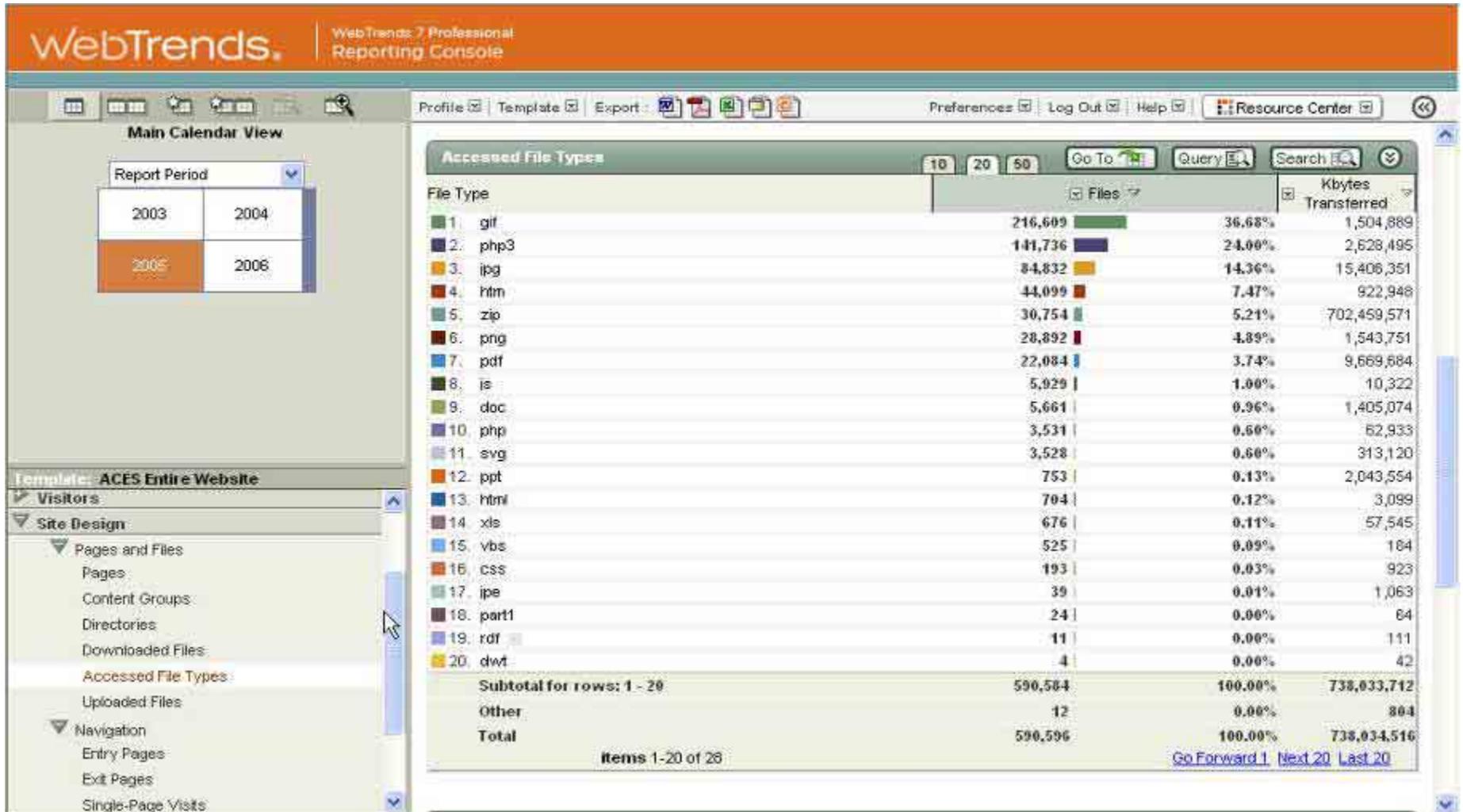
Hit Summary

Successful Hits for Entire Site	737,760
Average Hits per Day	2,021
Home Page Hits	-

Page View Summary

Page Views	222,021
Average per Day	608
Average Page Views per Visit	3.64

File types accessed most frequently in 2005



Files downloaded most frequently in 2005.

WebTrends 7 Professional Reporting Console

Profile | Template | Export | Preferences | Log Out | Help | Resource Center

Main Calendar View

Report Period

2003	2004
2005	2006

Template: ACES Entire Website

- Visitors
- Site Design
 - Pages and Files
 - Pages
 - Content Groups
 - Directories
 - Downloaded Files
 - Accessed File Types
 - Uploaded Files
 - Navigation
 - Entry Pages
 - Exit Pages
 - Single-Page Visits

Downloaded Files

Downloaded Files	Downloads	Visits
1. http://www.aces.edu/waterquality/streams/Vegetation/native_nursery_list_florida.doc	1,615	4.17%
2. http://www.aces.edu/waterquality/streams/templatestreams/Nursery List.doc	434	1.12%
3. http://www.aces.edu/waterquality/streams/Vegetation/plant_palettes.doc	342	0.88%
4. http://www.aces.edu/waterquality/streams/Vegetation/wetland_plant_sources.doc	336	0.87%
5. http://www.aces.edu/waterquality/streams/templatestreams/Native Evergreen Plants.doc	273	0.70%
6. http://www.aces.edu/waterquality/streams/Birmingham/Stream Restoration Workshop Participants.doc	251	0.65%
7. http://www.aces.edu/waterquality/streams/templatestreams/Clay plants.doc	224	0.58%
8. http://www.aces.edu/waterquality/streams/Vegetation/piedmont_plant_list.doc	162	0.42%
9. http://www.aces.edu/waterquality/nemo/Fact_Sheets/piedmont_plant_list.doc	156	0.40%
10. http://www.aces.edu/waterquality/nemo/Fact_Sheets/Nursery List.doc	128	0.33%
11. http://www.aces.edu/waterquality/news/items/archives/SRSFCC_call_for_papers_2005_4.doc	114	0.29%
12. http://www.aces.edu/waterquality/streams/conference_brochures/Clemson Watershed Academy_Sep05.doc	113	0.29%
13. http://www.aces.edu/waterquality/streams/templatestreams/Coastal Plains Stream Restoration.doc	111	0.29%
14. http://www.aces.edu/waterquality/streams/montgomery/EMP_Academy_Registration.doc	101	0.26%
15. http://www.aces.edu/waterquality/nemo/Fact_Sheets/Coastal Plains Stream Restoration.doc	97	0.25%

How are people finding the site?

The screenshot displays the WebTrends 7 Professional Reporting Console interface. The main content area shows a 'Referring Site' report with a table of traffic sources. The report is filtered for the year 2005. The table lists 20 referring sites, with 'Direct Traffic' being the largest source at 30.89%.

WebTrends 7 Professional Reporting Console

Profile | Template | Export | Preferences | Log Out | Help | Resource Center

Main Calendar View

Report Period

2003	2004
2005	2006

Template: ACES Entire Website

- Bookmarks
- Overview
- Referrers
 - Referring Site
 - Referring Domain
 - Referring Page
- Search Engines
- Visitors
- Site Design
- Browsers and Systems
- Site Performance

Referring Site

10 20 30 100 Go To Query Search

Site	Visits	%
1. Direct Traffic	18,855	30.89%
2. http://www.aces.edu/	11,300	18.51%
3. http://www.google.com/	10,257	16.80%
4. http://search.yahoo.com/	2,862	4.69%
5. http://images.google.com/	2,025	3.32%
6. http://www.aunation.net/	2,015	3.30%
7. http://scholar.google.com/	1,161	1.90%
8. http://groups.msn.com/	750	1.23%
9. http://search.msn.com/	560	0.92%
10. http://srwajs.tamu.edu/	504	0.83%
11. http://www.google.ca/	413	0.68%
12. http://antsearch.aol.com/	406	0.67%
13. http://www.xanga.com/	406	0.67%
14. http://web.ask.com/	364	0.60%
15. http://profile.myspace.com/	347	0.57%
16. http://www.google.co.uk/	327	0.54%
17. http://forum.skycode.com/	290	0.48%
18. http://www.google.co.in/	240	0.41%
19. http://www.kinderrent.nl/	208	0.34%
20. http://www.bae.ncsu.edu/	162	0.27%
Subtotal for rows: 1 - 20	53,461	87.58%
Other	7,579	12.42%
Total	61,040	100.00%

items 1-20 of 200 [Go Forward 1](#) [Next 20](#) [Last 20](#)

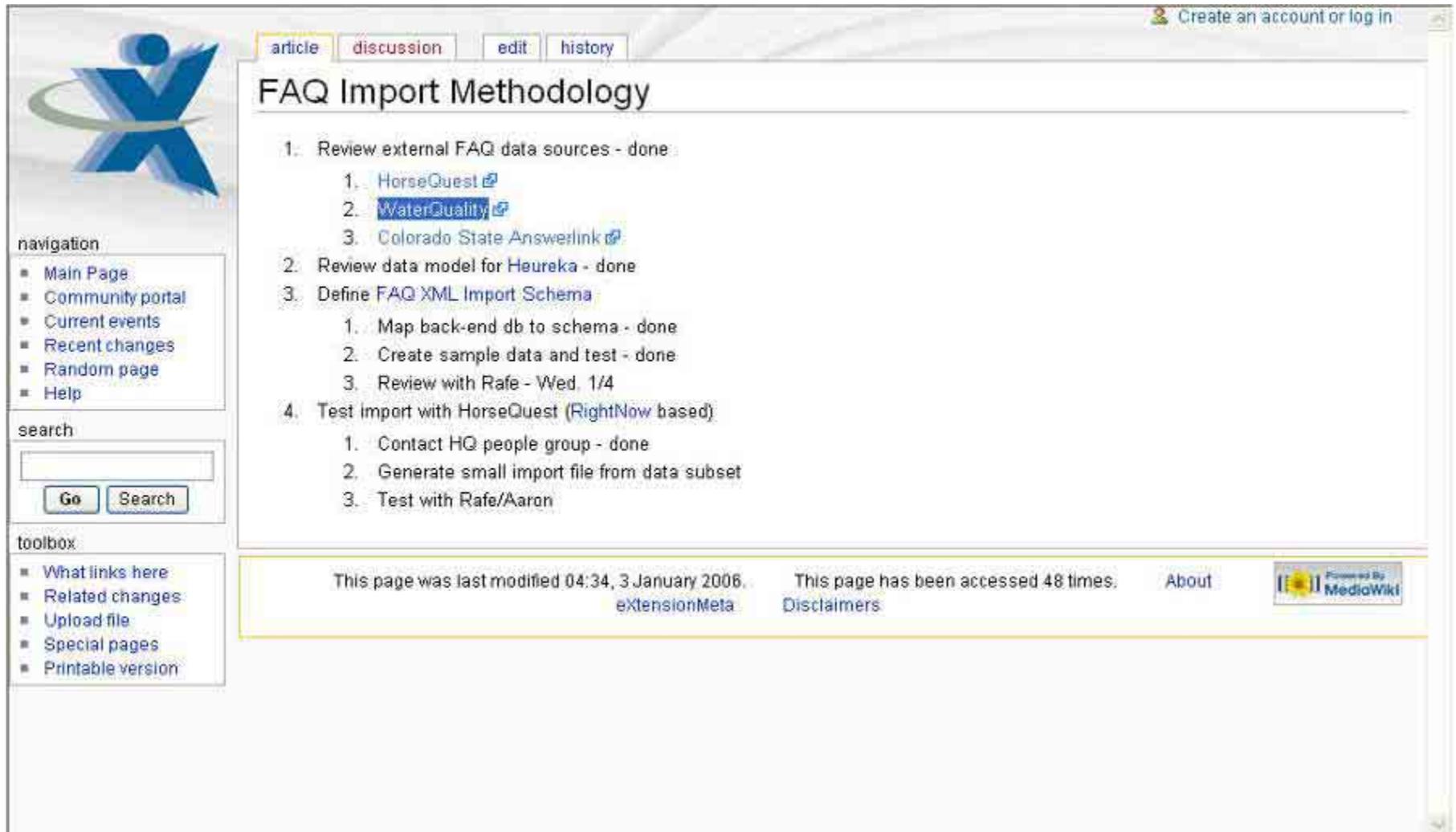
Summary

- Site visits, page views and downloads have all increased steadily since 2003.
- Use of GIS data has increased steadily since 2004.
- People are using the web-based data from all over the world.
- We have received numerous compliments, even from countries like Egypt.
- We plan to keep adding to the databases.

References

- Alabama Water Program URL -
<http://www.aces.edu/waterquality>
- Southern Region Water Program URL -
<http://srwqis.tamu.edu/>
- National Water Program URL -
<http://www.usawaterquality.org>

FAQ Database Can be Component of eXtension



The screenshot shows a MediaWiki page titled "FAQ Import Methodology". The page content is a numbered list of tasks related to FAQ import. The left sidebar contains navigation, search, and toolbox sections. The bottom of the page features a footer with modification and access statistics, and a "Powered By MediaWiki" logo.

article discussion edit history

FAQ Import Methodology

1. Review external FAQ data sources - done
 1. [HorseQuest](#)
 2. [WaterQuality](#)
 3. [Colorado State Answerlink](#)
2. Review data model for Heureka - done
3. Define FAQ XML Import Schema
 1. Map back-end db to schema - done
 2. Create sample data and test - done
 3. Review with Rafe - Wed. 1/4
4. Test import with HorseQuest (RightNow based)
 1. Contact HQ people group - done
 2. Generate small import file from data subset
 3. Test with Rafe/Aaron

This page was last modified 04:34, 3 January 2006. [extensionMeta](#) This page has been accessed 48 times. [About](#) [Disclaimers](#)

Powered By MediaWiki

navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)

Questions

