



the NATIONAL OCEAN SERVICE

Summer 2011 National Ocean Service Web Workshop Part 0: Free Web Tools



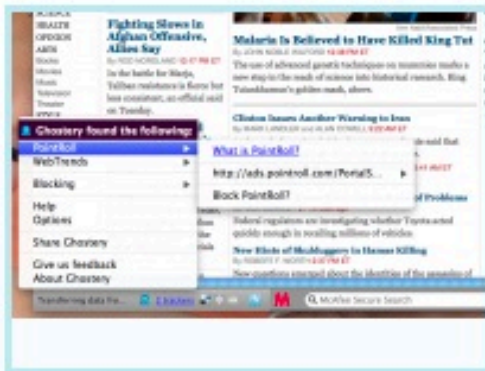
Browsers, Plug-ins and Web sites

Three different kinds of tools:

- Browsers. The best tool for seeing how a site performs is a browser. In 2011, the most popular browsers were Internet Explorer 8 and 9, Firefox 3 and 4, Safari 4 and 5, and Webkit [WebKit is the basis of Safari, Chrome, and most smartphone and tablet Web browsers]
- Plug-ins: Firefox is the leader in browser plug-ins
- Web sites as tools: many Web sites help you build or evaluate Web sites

Free Web Tools: Ghostery

Ghostery is a Firefox/Safari/Chrome/IE plug-in that tracks Web bugs



 Add to collection

 Share this Add-on

Protect your privacy. See who's tracking your web browsing and block them with Ghostery.

 Add to Firefox

[View privacy policy](#)

Updated

April 20, 2011

Website

<http://www.ghostery.com/>

Works with

Firefox 3.5 - 7.0a1

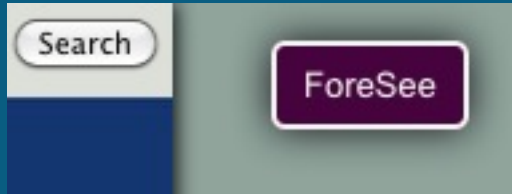
Rating

★★★★★ 298 reviews

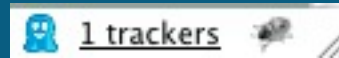
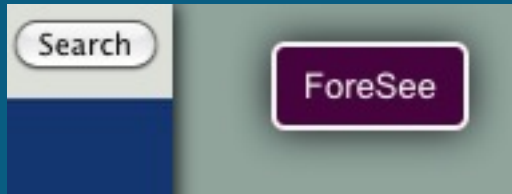
Downloads

2,418,194

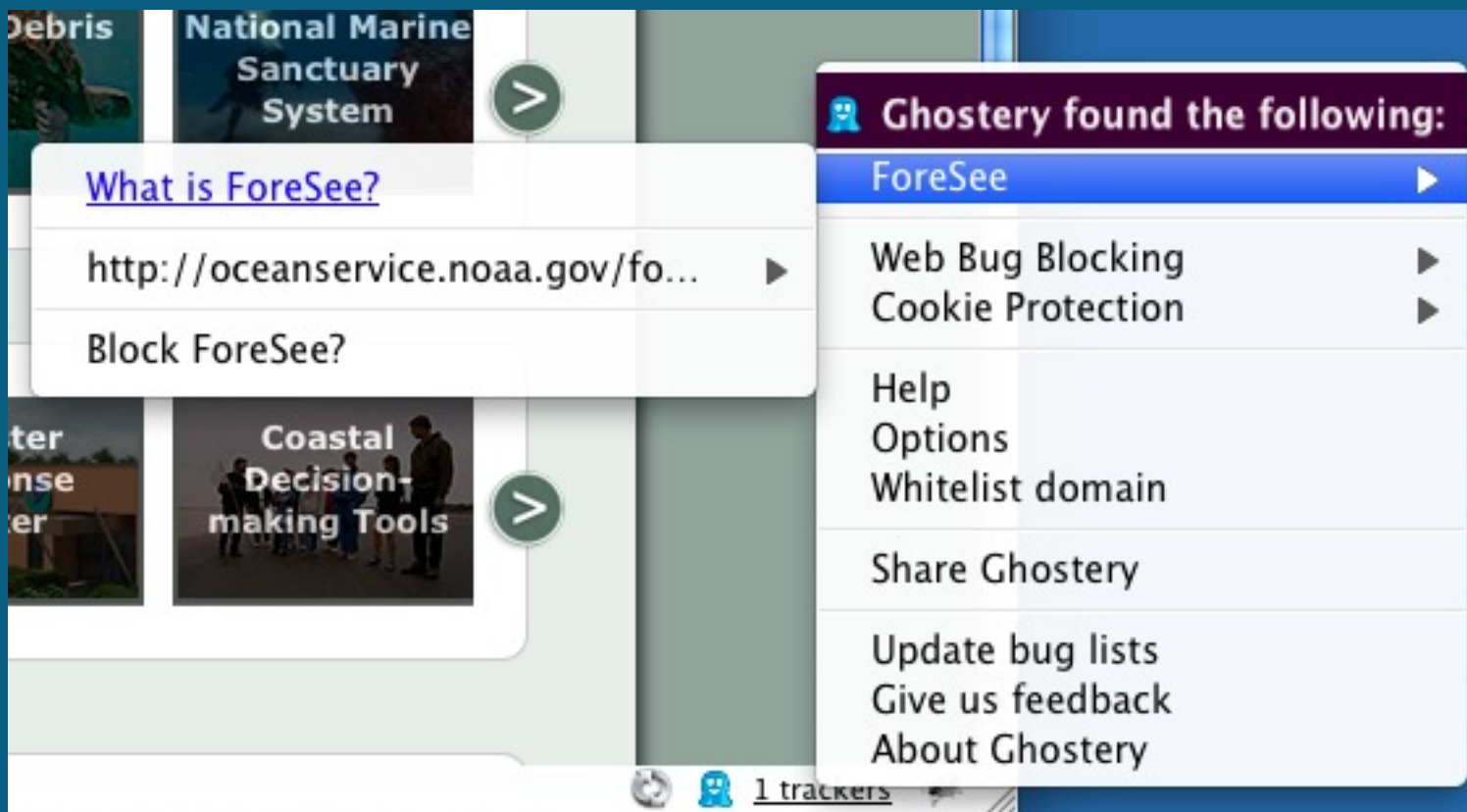
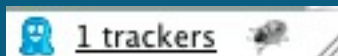
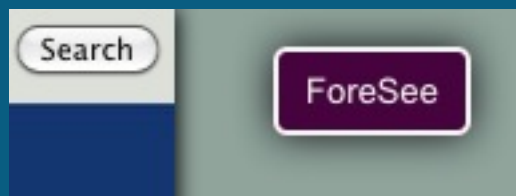
Free Web Tools: Ghostery II



Free Web Tools: Ghostery III



Free Web Tools: Ghostery IV



Free Web Tools: Wappalyzer

- Wappalyzer uncovers technology used to build a site.

Add-ons for Firefox > Extensions > Wappalyzer

 **Wappalyzer** 1.13.2
by ElbertF



Wappalyzer is an add-on for Firefox that uncovers the technologies used on websites.

[+ Add to Firefox](#) [View privacy policy](#)

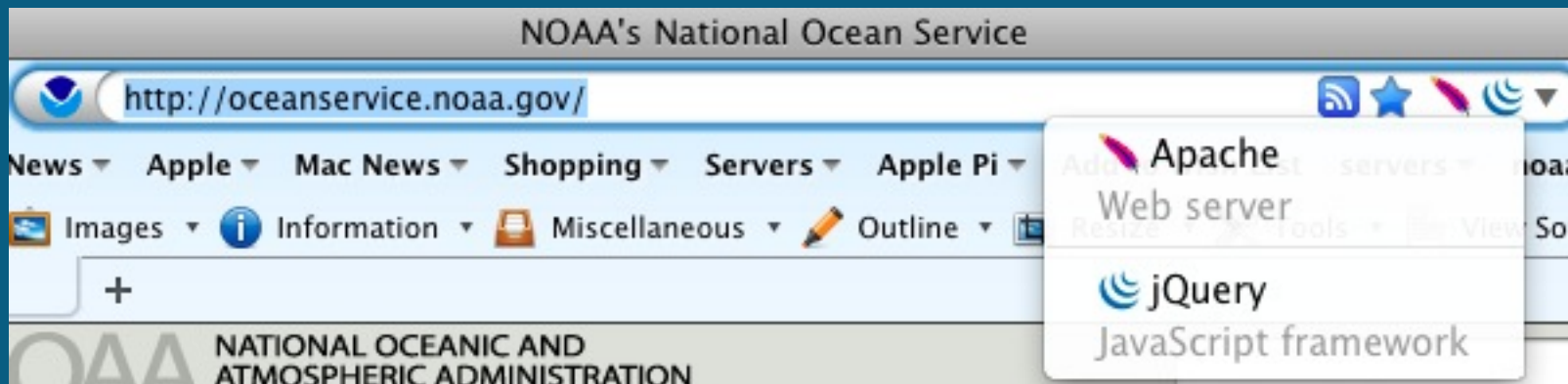
The developer of this add-on asks that you help support its continued development by making a small contribution.

[Contribute](#) **Suggested Contribution: \$5.00**
[What's this?](#)

Updated	April 20, 2011
Website	http://wappalyzer.com
Works with	Firefox 3.5 - 6.*
Rating	★★★★☆ 35 reviews
Downloads	162,910 View Statistics

Free Web Tools: Wappalyzer II

- Wappalyzer puts icons in the location bar. Clicking the icon takes you to a Wapalyzer page with information on that technology.



Free Web Tools: Web Developer

- Large toolkit for Web developers
- Disable cache, images, Java, JavaScript, CSS for site checks.
- Display alt tags, image dimensions, file sizes.
- View document outline, size
- Validate HTML, CSS, Section 508
- Many other features

Free Web Tools: Web Developer II

- Disable styles

The screenshot shows a web browser window with the 'Disable Styles' menu open. The menu options are:

- Disable Styles (selected)
- Display CSS By Media Type
- View CSS (⌘⇧C)
- View Style Information (⌘⇧Y)
- Add User Style Sheet... (Help)
- Edit CSS (⌘⇧E)
- Use Border Box Model

The sub-menu for 'Disable Styles' is also open, showing the following options:

- All Styles (⌘⇧S)
- Browser Default Styles
- Embedded Styles
- Inline Styles
- Linked Style Sheets
- Print Styles
- Individual Style Sheet

The background shows the NOAA website with a header for 'RESTORING THE GULF' and a navigation menu. The NOAA logo is visible in the top left corner. The browser's address bar shows 'NOAA -'. The browser's menu bar includes: Disable, CSS, Forms, Images, Information, Miscellaneous, Outline, Resize, Tools, View Source, and Options. The browser's status bar shows 'NOAA Deepwater Horizon Archive | Assessment + Restoration | Seafood Safety' and a search bar.

Free Web Tools: Web Developer III

- Disable styles



- [About NOAA](#)
- [Contacts](#)
- [Staff Directory](#)
- [Help](#)

Search Criteria

[» SEARCH](#)

[NOAA Deepwater Horizon Archive](#) | [Assessment + Restoration](#) | [Seafood Safety](#)

Quick Links

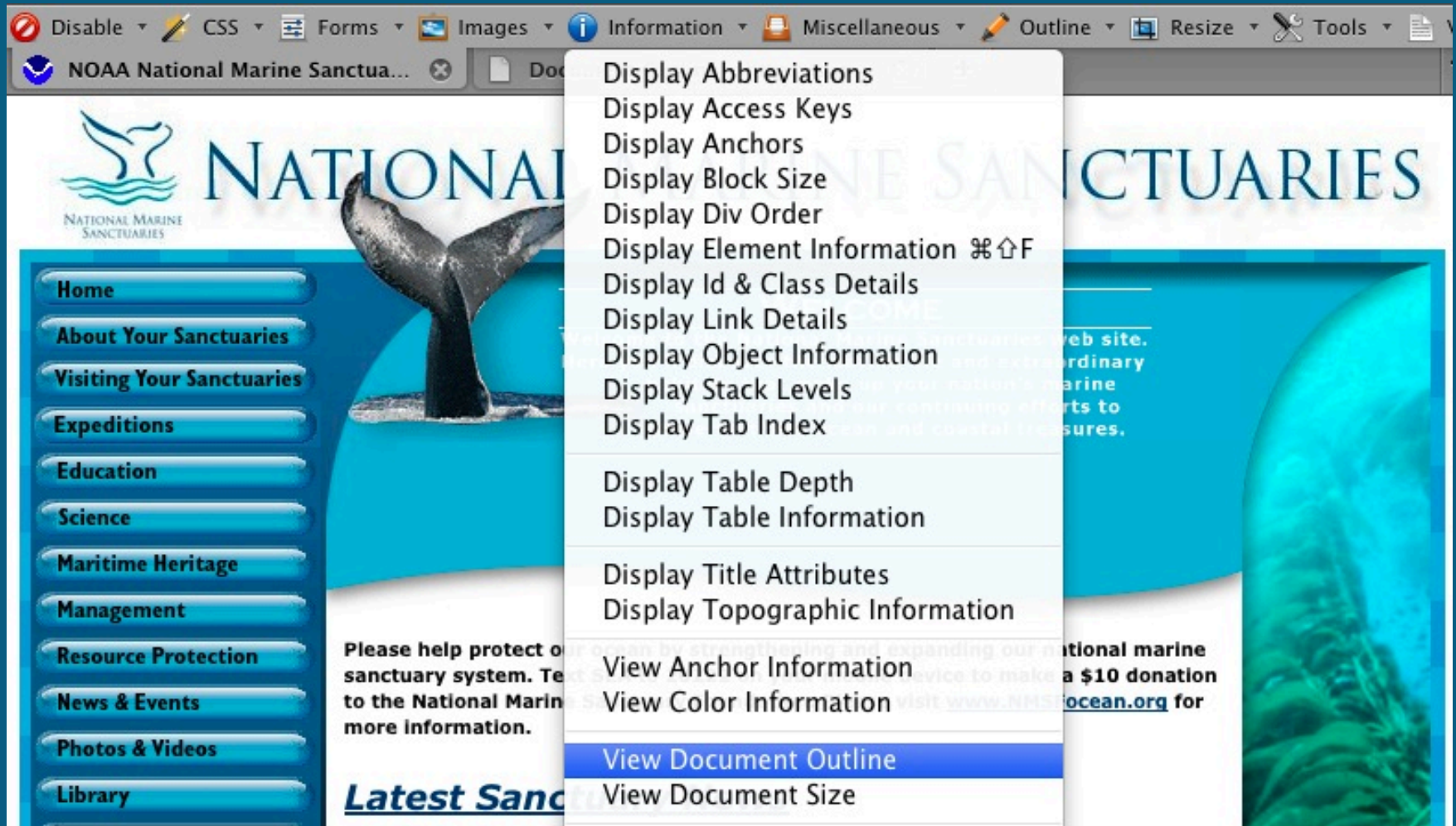
- Weather.gov Forecast

[» GO](#)

- [Active Weather Alerts](#)

Free Web Tools: Web Developer IV

- View outline



The screenshot shows a web browser window displaying the NOAA National Marine Sanctuaries website. The browser's address bar shows the URL "NOAA National Marine Sanctua...". The website features a blue header with the NOAA logo and the text "NATIONAL MARINE SANCTUARIES". A navigation menu on the left includes links for Home, About Your Sanctuaries, Visiting Your Sanctuaries, Expeditions, Education, Science, Maritime Heritage, Management, Resource Protection, News & Events, Photos & Videos, and Library. The main content area includes a large image of a whale tail and a call to action: "Please help protect our sanctuary system. Text to the National Marine Sanctuaries for more information." Below this is a section titled "Latest Sanctuaries". A context menu is open over the page, listing various developer tools. The "View Document Outline" option is highlighted in blue.

Browser tabs: Disable, CSS, Forms, Images, Information, Miscellaneous, Outline, Resize, Tools.

Browser address bar: NOAA National Marine Sanctua...

Website header: NATIONAL MARINE SANCTUARIES

Navigation menu:

- Home
- About Your Sanctuaries
- Visiting Your Sanctuaries
- Expeditions
- Education
- Science
- Maritime Heritage
- Management
- Resource Protection
- News & Events
- Photos & Videos
- Library

Main content:

Please help protect our sanctuary system. Text to the National Marine Sanctuaries for more information.

Latest Sanctuaries

Context menu options:

- Display Abbreviations
- Display Access Keys
- Display Anchors
- Display Block Size
- Display Div Order
- Display Element Information ⌘⇧F
- Display Id & Class Details
- Display Link Details
- Display Object Information
- Display Stack Levels
- Display Tab Index
- Display Table Depth
- Display Table Information
- Display Title Attributes
- Display Topographic Information
- View Anchor Information
- View Color Information
- View Document Outline**
- View Document Size

Free Web Tools: Web Developer V

- View outline



The screenshot shows the Document Outline tool in Web Developer V. The browser's address bar displays the URL `http://sanctuaries.noaa.gov/`. The tool's interface includes a gear icon, a title bar, and a list of document elements. The list starts with the root URL, followed by a missing heading (indicated by `<n1>`), another missing heading (indicated by `<n2>`), and a third-level heading for "Latest Sanctuary News" (indicated by `<n3>`). The tool also provides "Collapse All" and "Expand All" options.

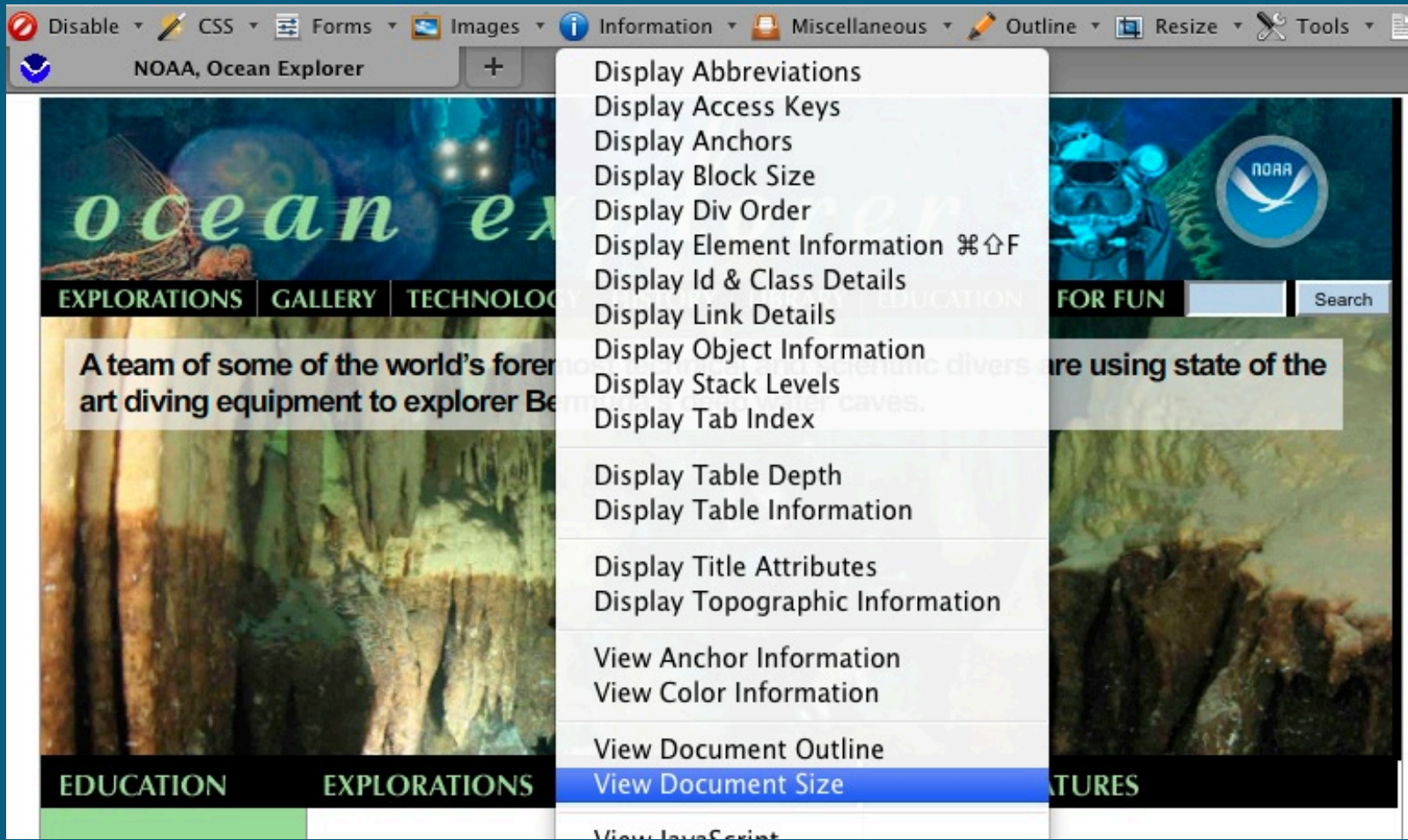
Document Outline - `http://sanctuaries.noaa.gov/`

[Collapse All](#) [Expand All](#)

- `http://sanctuaries.noaa.gov/`
- `<n1>` **[Missing Heading]**
- `<n2>` **[Missing Heading]**
- `<n3>` Latest Sanctuary News

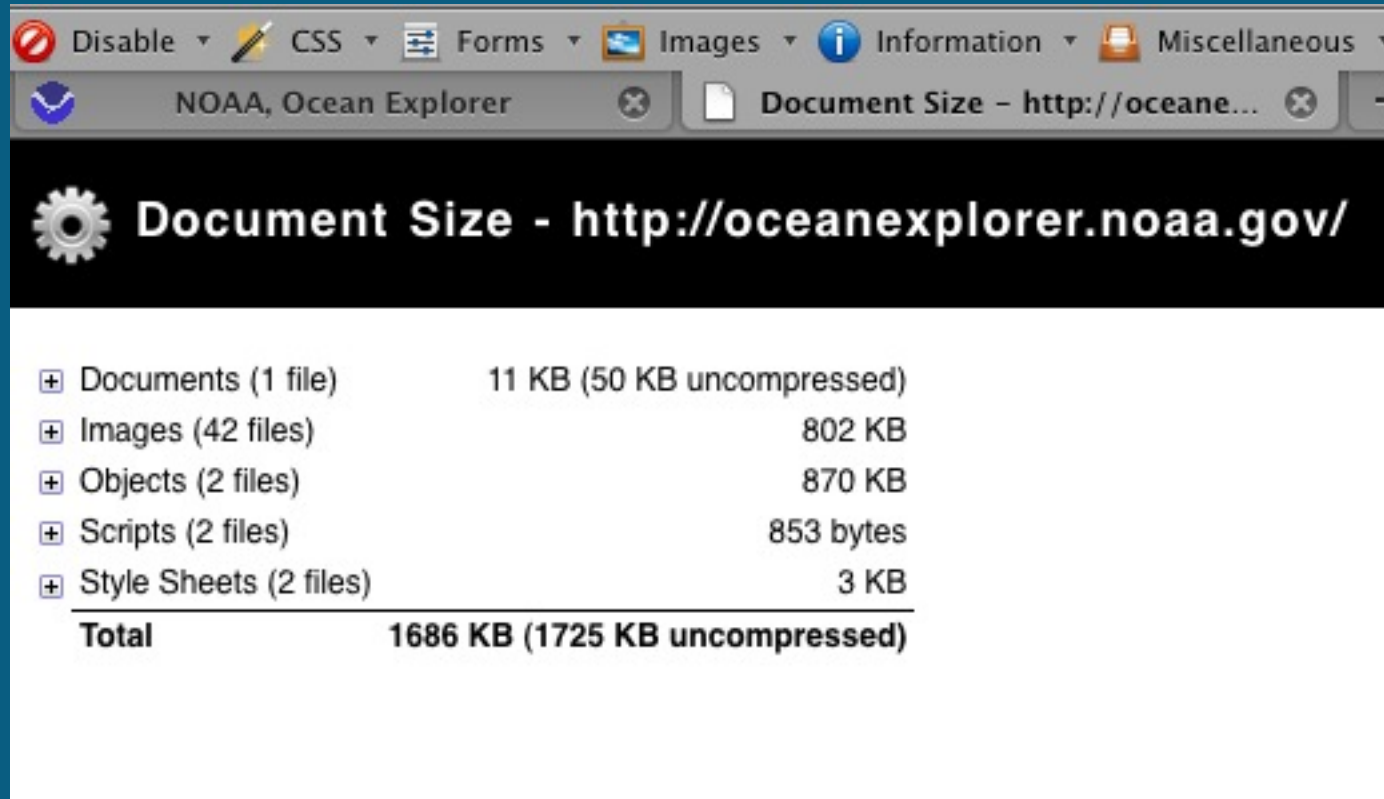
Free Web Tools: Web Developer VI

- Document size



Free Web Tools: Web Developer VII

- Document size



Document Size - <http://oceanexplorer.noaa.gov/>

+ Documents (1 file)	11 KB (50 KB uncompressed)
+ Images (42 files)	802 KB
+ Objects (2 files)	870 KB
+ Scripts (2 files)	853 bytes
+ Style Sheets (2 files)	3 KB
Total	1686 KB (1725 KB uncompressed)

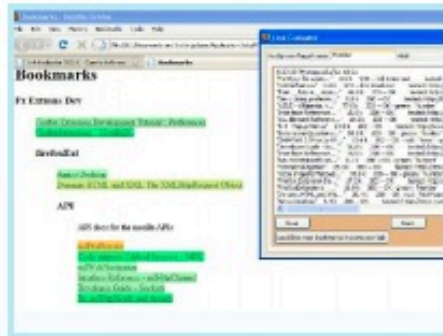
Free Web Tools: Link Evaluator

- Automate link checking.

Add-ons for Firefox > Extensions > Link Evaluator



Link Evaluator 0.9.9.7
by Filip Babalievsky



Link Evaluator works as an enhanced Link Checker. When started, it attempts to download the Web page behind each link and searches for 2 customizable sets of phrases - one for "red-flag" phrases and one for "green-flag" phrases.

[+ Add to Firefox](#)

[Add to collection](#)

[Share this Add-on](#)

Updated

May 21, 2009

Website

<http://evaluator.oclc.org>

Works with

Firefox 1.5 - 6.*

Rating

★★★★☆ 21 reviews

Downloads

113,451

Free Web Tools: Link Evaluator II

[National Geodetic Survey \(NGS\)](#)

Geodesy is the science of determining the size and shape of the Earth and the location of points upon its surface...

[NOAA Coastal Services Center \(CSC\)](#)

The NOAA Coastal Services Center provides skill state and local coastal resource managers...

[Office of Coast Survey \(OCS\)](#)

The Office of Coast Survey (OCS) is the nation's

[Office of National Marine Sanctuaries \(ONMS\)](#)

The Office of National Marine Sanctuaries protects and manages 14 marine protected areas encompassing over 150,000 square miles...

[Office of Ocean and Coastal Resource Management \(OCRM\)](#)

The Office of Ocean and Coastal Resource Management (OCRM) is responsible for implementing the Coastal Zone Management Act (CZMA) of 1972...

[Office of Response and Restoration \(OR&R\)](#)

The Office of Response and Restoration (OR&R) works to prevent and mitigate harm to coastal resources...


[\(top\)](#)

Select All

View Source Chart

View Page Source

View Page Info

 Inspect Element

Link Evaluator Control Panel

Evaluate Links

Web Developer 

Free Web Tools: Link Evaluator III

Management and Budget Office (MBO)

The Management and Budget Office serves as the focal point for all NOS management and budget activities...

[\(top\)](#)

NOAA Sites

[National Oceanic and Atmospheric Administration](#)

[National Environmental Satellite, Data & Information Service](#)

[National Marine Fisheries Service](#)

[National Weather Service](#)

[NOAA Research](#)

[NOAA Library](#)

[NOAAWatch](#)

[NOAA Careers](#)

[NOAA Staff Directory](#)

NOS Program Offices

[Center for Operational Oceanographic Products and Services](#)

[National Centers for Coastal Ocean Science](#)

[NOAA Coastal Services Center](#)

[National Geodetic Survey](#)

[Office of Coast Survey](#)

[Office of National Marine Sanctuaries](#)

[Office of Ocean and Coastal Resource Management](#)

[Office of Response and Restoration](#)

NOS Headquarters

[For NOS Employees](#)

[Equal Employment Opportunity and Diversity Programs](#)

[Integrated Ocean Observing System Program](#)

[International Program Office](#)

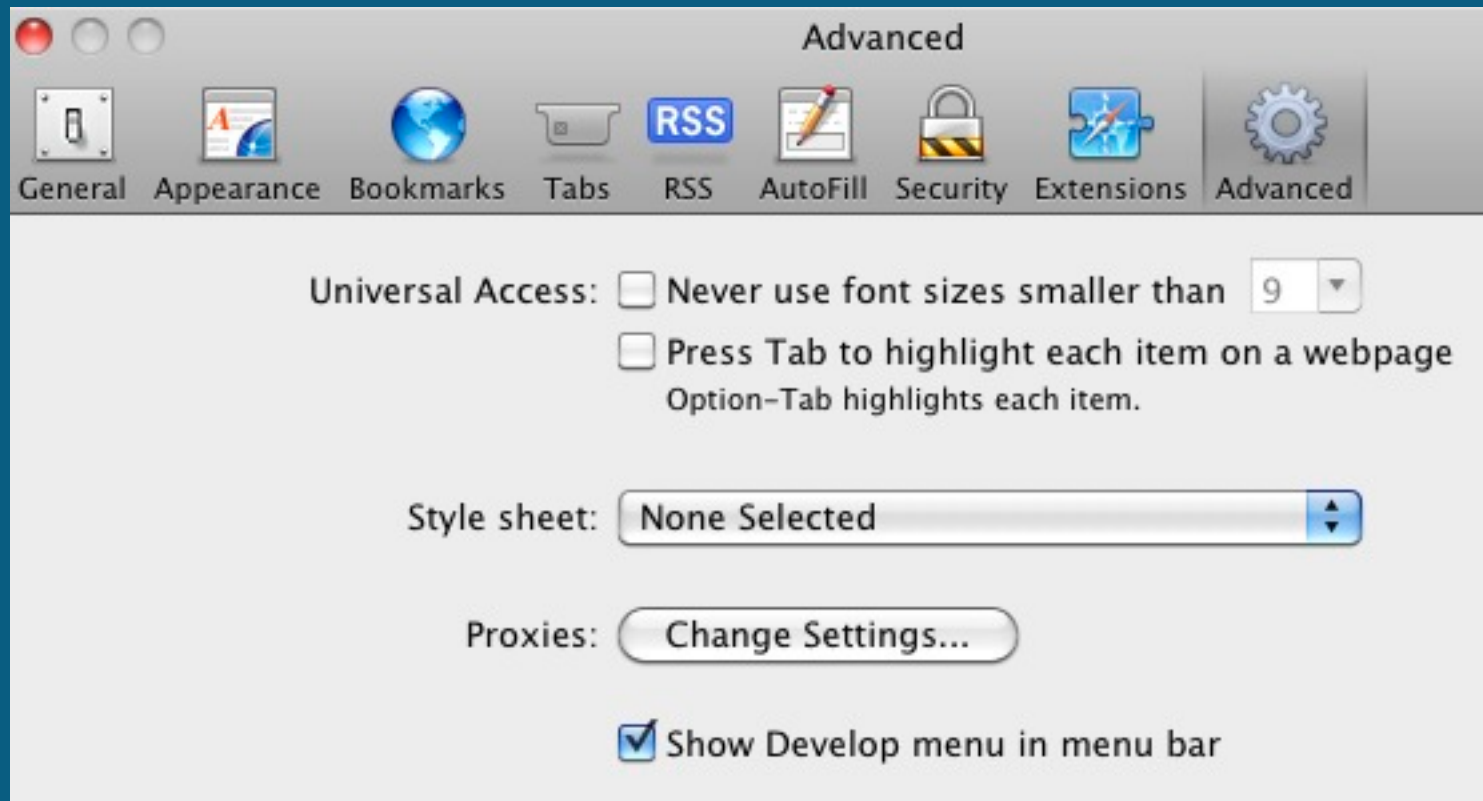
[Management and Budget Office](#)



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Web Site Owner: [National Ocean Service](#) | [National Oceanic and Atmospheric Administration](#) | [Department of Commerce](#)
<http://oceanservice.noaa.gov/programs/welcome.html>

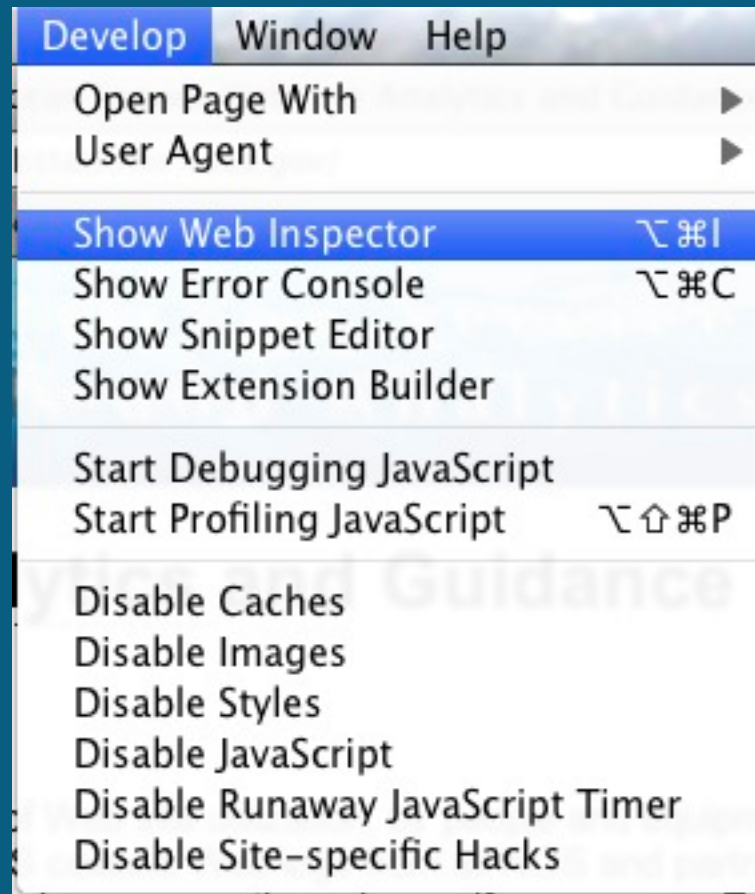
Free Web Tools: Safari Web Inspector

- Safari includes Web developer tools, but they must be turned on in Preferences



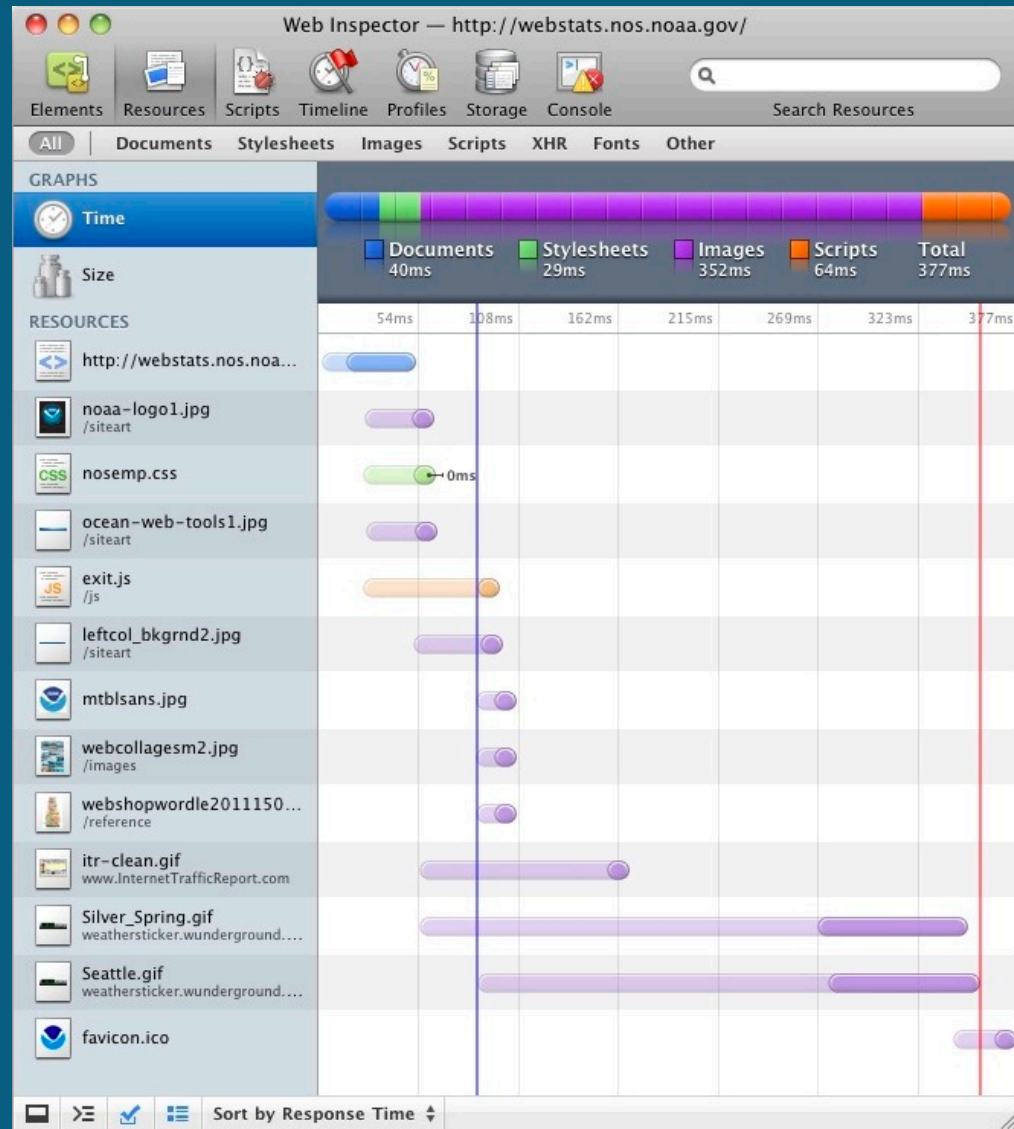
Free Web Tools: Safari Web Inspector II

- New menu appears in tool bar



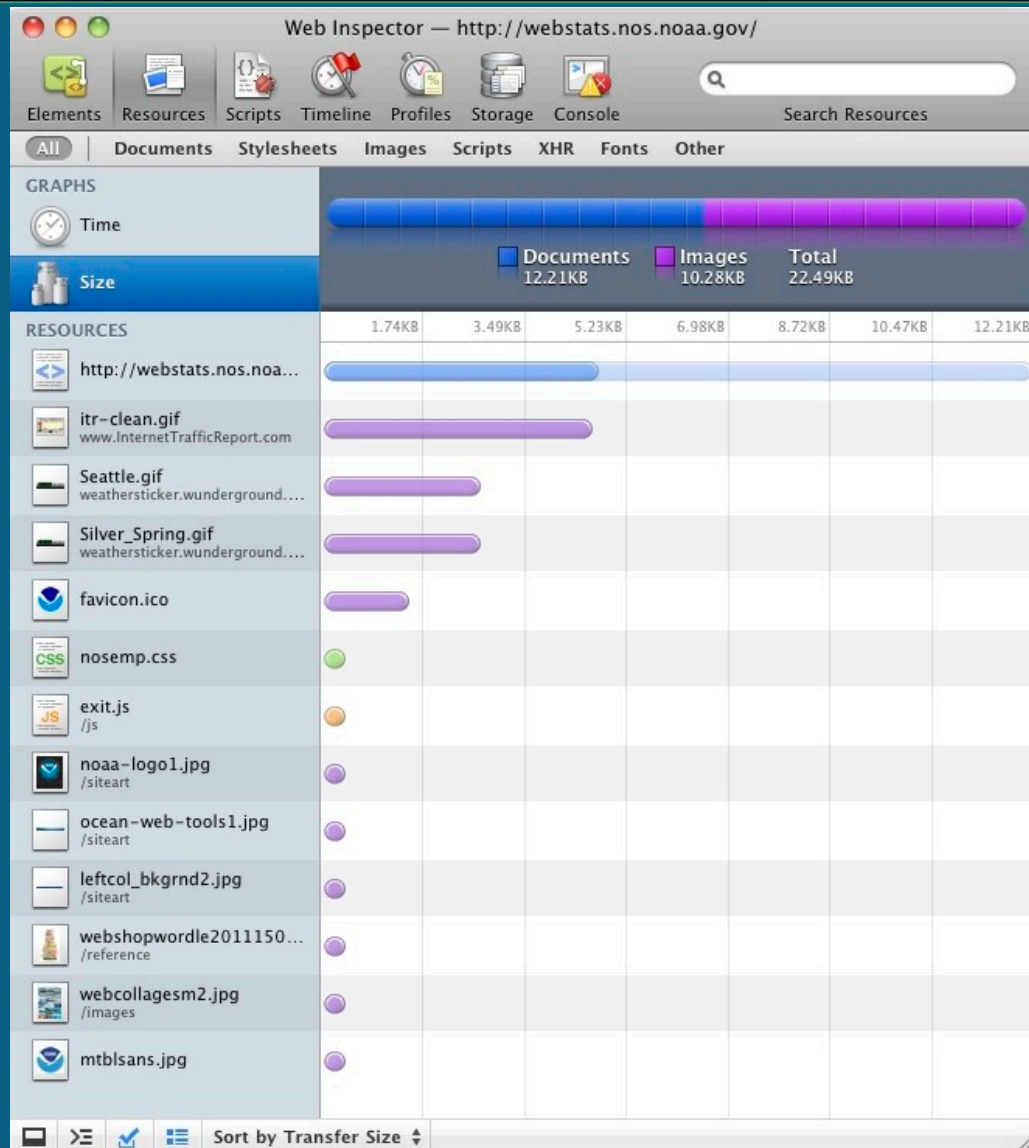
Free Web Tools: Safari Web Inspector III

- Load time histogram



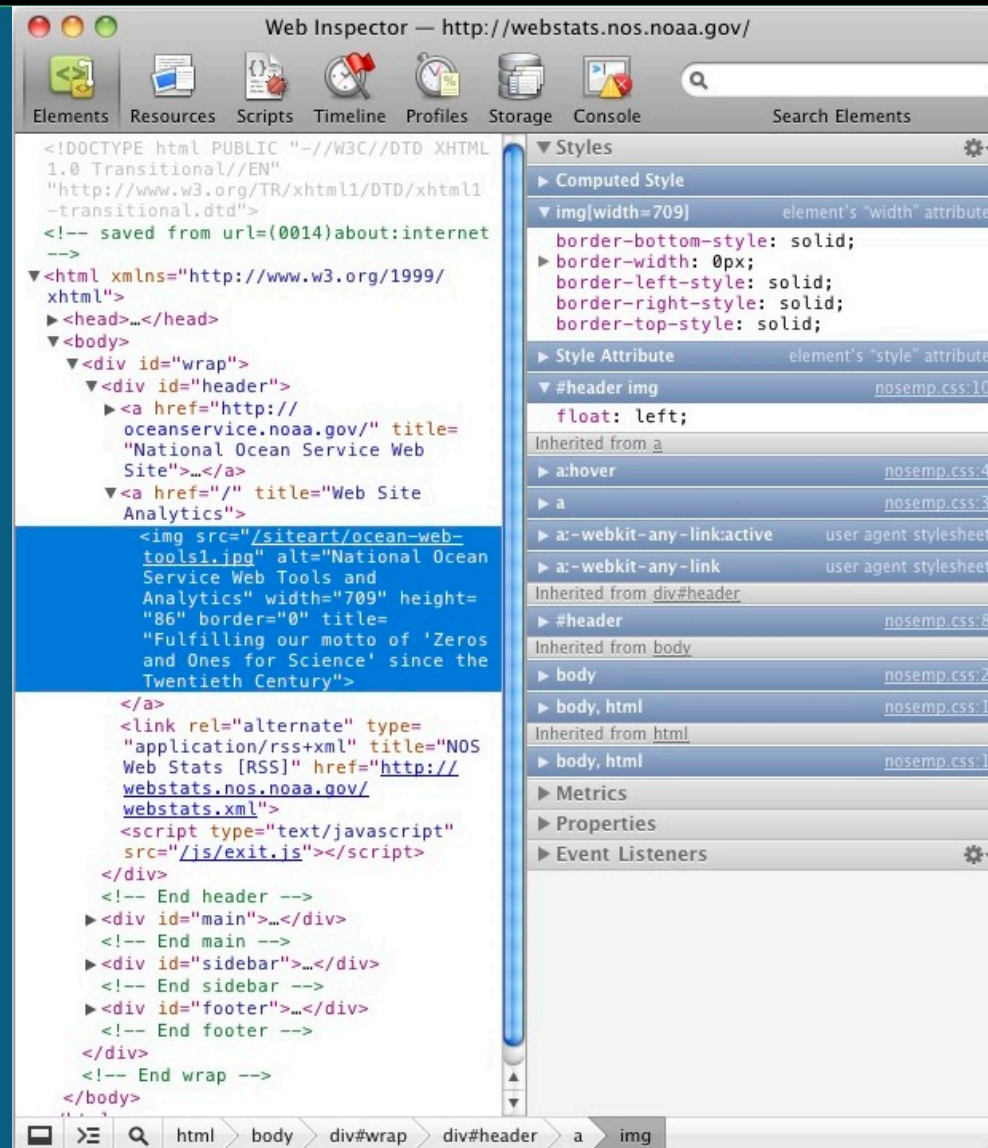
Free Web Tools: Safari Web Inspector IV

- Load size histogram



Free Web Tools: Safari Web Inspector V

- Inspect element



Free Web Tools: Firebug

- Firebug is a Firefox Add-on that gives you a wealth of development tools in your browser. You can edit, debug, and monitor CSS, HTML, and JavaScript live on any web page.

Add-ons for Firefox > Extensions > Firebug

 **Firebug** 1.7.2
by Joe Hewitt, johnjbarton, robcee, FirebugWorkingGroup, Jan Odvarko



Firebug integrates with Firefox to put a wealth of development tools at your fingertips while you browse. You can edit, debug, and monitor CSS, HTML, and JavaScript live in any web page...

This is our production release. For Firefox 4.0b, see below.

[+ Add to Firefox](#)

The developer of this add-on asks that you help support its continued development by making a small contribution.

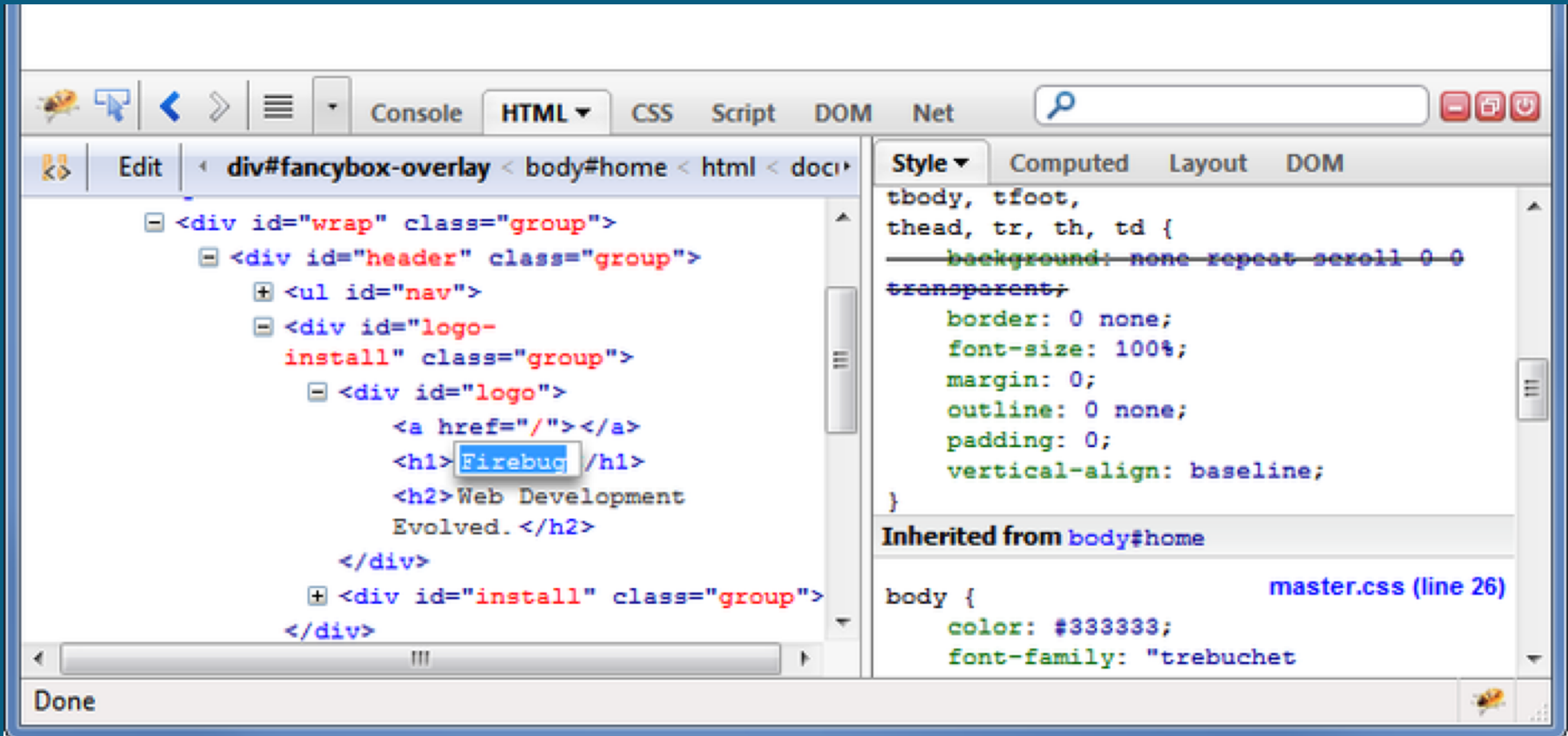
[♥ Contribute](#) Suggested Contribution: \$10.00
[What's this?](#)

Updated	June 2, 2011
Website	http://getfirebug.com/
Works with	Firefox 3.6 - 5.*
Rating	★★★★★ 1,044 reviews
Downloads	36,670,593 View Statistics

<http://getfirebug.com>

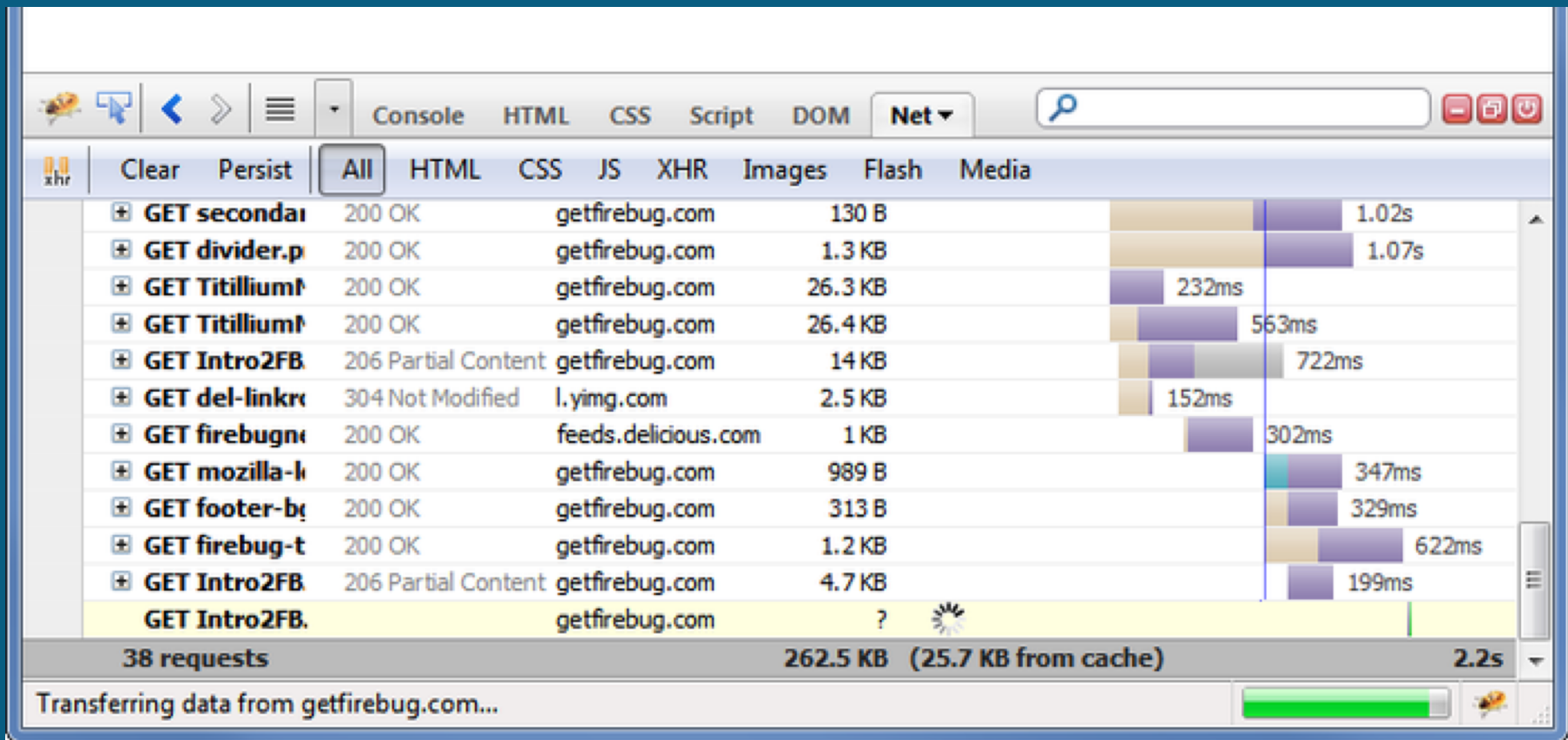
Free Web Tools: Firebug II

- HTML panel of current markup



Free Web Tools: Firebug III

- Net panel monitors HTTP communication



The screenshot displays the Firebug Net panel, which tracks network activity. The interface includes a toolbar with navigation icons and a search box. Below the toolbar, there are tabs for different request types: All, HTML, CSS, JS, XHR, Images, Flash, and Media. The main area shows a list of requests with the following columns: Method, Status, Response, and Time. A summary bar at the bottom indicates 38 requests, 262.5 KB total (25.7 KB from cache), and a total time of 2.2s. A progress bar at the very bottom shows the current request in progress: 'Transferring data from getfirebug.com...'.

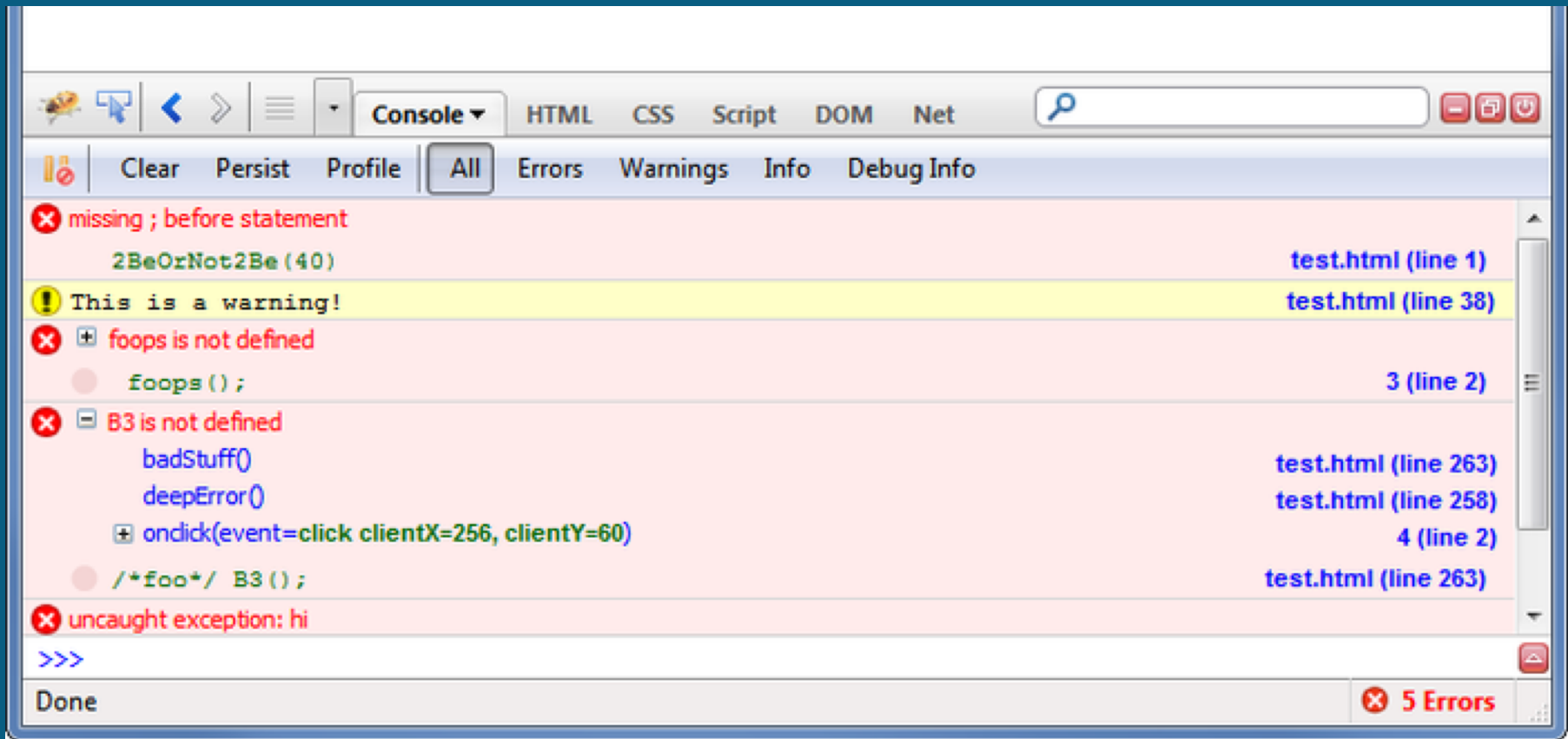
Method	Status	Response	Time
GET	200 OK	getfirebug.com 130 B	1.02s
GET	200 OK	getfirebug.com 1.3 KB	1.07s
GET	200 OK	getfirebug.com 26.3 KB	232ms
GET	200 OK	getfirebug.com 26.4 KB	563ms
GET	206 Partial Content	getfirebug.com 14 KB	722ms
GET	304 Not Modified	l.yimg.com 2.5 KB	152ms
GET	200 OK	feeds.delicious.com 1 KB	302ms
GET	200 OK	getfirebug.com 989 B	347ms
GET	200 OK	getfirebug.com 313 B	329ms
GET	200 OK	getfirebug.com 1.2 KB	622ms
GET	206 Partial Content	getfirebug.com 4.7 KB	199ms
GET		getfirebug.com ?	

38 requests 262.5 KB (25.7 KB from cache) 2.2s

Transferring data from getfirebug.com...

Free Web Tools: Firebug IV

- Console panel with an example error log



Useful Web-based tools

- NOS developers: <https://webdeveloper.nos.noaa.gov/>
- Web Content Managers Forum: <https://forum.webcontent.gov/>
- Government Web content: <http://www.howto.gov/web-content>
- Global Web stats: <http://www.w3counter.com>
- Page speed: <http://pagespeed.googlelabs.com/>
- Key word help: <http://www.google.com/trends>
- Section 508: <http://section508.gov/>
- Section 508 page check: <http://wave.webaim.org>