



A River Meter Subscription is designed to allow you to easily see USGS gauge height and river volume on your own web site. Although you can go to the USGS web site and look up volume and gauge height it is difficult to interpret this to a single number and get it on your own web site.

Content Delivery - With your River Meter subscription you get access to several custom files updated every 30 minutes on the River Meter web site. By using an HTML include technique called an iFrame you can have your local river or waterway gauge display on your web site giving you an advantage over your competitors.

Frequency of Updates - Although River Meter polls the USGS sites every 30 minutes their information, some of the data pulls are batched in four hour intervals. Regardless, we will give you the very latest of what they have to offer even if there is no water or even ice in the waterway. You can choose have a blank result even if there is no information or there is ice. If there is no new data of the data read is incomplete we use the last good reading for your site.

Time Zones – River Meter uses EST (Eastern Standard Time) as the default so all adjustments are relative to that time regardless of the site. Your feed can be offset to your time zone relative to EST.

Subscription ID - Every subscription to a gauge site has a Subscription ID. It is a combination of the order ID, a site ID and a random PIN number. Your ID for each gauge site remains the same even if you select a different monitoring location. With your order you will get an email message with your Subscription ID. This ID is used to replace the example source code below. If you lose this ID you can login and have it resent to you. The documentation has the text SUBSCRIPTIONID every place you need to do a substitution.

License and Safety - The license agreement you agreed to requires that you post somewhere on your web site text to the affect that your viewers indemnify River Meter and yourselves from damages or injury resulting in using the River Meter information. That text is at the end of this document. If you are looking for a place to put it you might consider your web site's privacy policy page.

Copy Protection - To protect River Meter each of the service each feed type has a user configurable hyperlink directing viewers to your primary web site and stops serving data when the subscription expires. We reserve the right to change the delivery method and implement further protections in the future.

High Volume Web Sites - If you have a high volume web site and you want to server the data from your own site you can choose to pull the files with by using a free open source utility called [WGet](#) that can be run as a Linux server [chron](#) task or Windows Server Scheduled task. River Meter – RVPM Designs is a software development house and not your web server’s system management staff so we cannot act as advisors on implement either technique but suffice to say if you read the WGET and chron or Windows Scheduled Task documentation it can be done.

Bandwidth – The amount of data pulled for each view varies for each viewing from about 200 bytes to about 20 KB if you choose to use your Flash News Scroller version. Frankly we do not know what an excessive bandwidth level will be and our servers have a lot of capacity which we have never exceeded. We monitor by subscriber cumulative bandwidth and if you site is excessively active we will contact you to request that you make arrangements to implement this pull technique. If your site is that active most likely you will have the resources in place for the pull technique.

Chaining Sites – Chaining sites is when the data delivered has more than one site like the sample scroller on the home page of RiverMeter.com. That technique is not currently available to subscribers but we expect to release it a no additional charge to existing subscriber in the next 6-9 months.

Available Feeds – All available feed styles are presented for every subscriber and you can use different ones on different parts of your web site at the same time.

Changing Monitoring Stations – Yes you can change the site you are monitoring by simply logging in and editing your order items and selecting a different site. The revised feed will automatically be up and running within an hour of your change.

Changing Monitoring Configuration – Yes you can login and change the display features of the site you are monitoring by simply logging in and editing your order items and selecting. The revised feed will automatically be up and running within 30 minutes to an hour of your change. Security prevents us from allowing client initiated refreshes of subscription feeds.

Unreadable Sites – There are a lot of site and they are all subject to harsh conditions so your site may or even will go down due to: dead batteries, weather, ice conditions, no water, river debris, floods and vandalism. If your site goes down you can login and change the monitored station to one near by.

New Formats – If you subscribe to our service’s news letter your will get updates on service and new formats. Let us know if you need a format that we do not have.

Renewals – 45 days before the expiration of your subscription you will get an email reminder to renew our service followed by reminders at 30 days, 14 days, 7 and 2 days before expiration. Our current policy it to make blank any expired subscriptions until renewal and after 30 days remove the linked files. This final removal may affect your web site’s performance but if you do not pay River Meter does not have to serve up the files. Currently subscriptions can only be renewed for 1 year intervals.

Support – Support is via email. rivermeter@rivermeter.com But please include your phone number and Subscription ID when contacting us.

River Meter – RVPM Designs
8 Coach Ln

Amherst, MA 01002

<http://www.RiverMeter.com>

River Meter Format Codes:

Remember to substitute your Subscription ID and be careful with carriage return breaking up the line with link to the file with **SUBSCRIPTIONID**.

1. River Meter HTML River Gauge Height Number Only:

This code displays just the height number and the last polled date. The hno.html stands for Height Number Only. Configuration changes can be made to AMPM On/Off and the Last Update Display On/Off.

```
<iframe name="I1"
src="http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDhno.html"
height="25" width="200" marginwidth="1" marginheight="0" scrolling="no" border="0"
frameborder="0">
Your browser does not support inline frames or is currently configured not to
display inline frames.
</iframe>
```

2. River Meter HTML River Volume Number Only:

This code display just the height number and the last polled date. The vno.html stands for Height Number Only. Not all sites have volume information. Configuration changes can be made to AMPM On/Off and the Last Update Display On/Off.

```
<iframe name="I1"
src="http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDvno.html"
height="25" width="200" marginwidth="1" marginheight="0" scrolling="no" border="0"
frameborder="0">
Your browser does not support inline frames or is currently configured not to
display inline frames.
</iframe>
```

3. River Meter HTML Static Text:

This code display the station name number, height and volume if available and the last polled date. The h.html stands for HTML. Configuration changes can be made to: AMPM On/Off, Last Update Display On/Off, Text Separator and override the default Station Name.

```
<iframe name="I1"
src="http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDh.html" height="25"
width="400" marginwidth="1" marginheight="0" scrolling="no" border="0"
frameborder="0">
Your browser does not support inline frames or is currently configured not to
display inline frames.
</iframe>
```

4. River Meter HTML Scroller Text:

This code display the station name number, height and volume if available and the last polled date. The s.html stands for Scroller HTML. Configuration changes can be made to: AMPM On/Off, Last Update Display On/Off, Text Separator, Foreground font color, background color, text size and override the default Station Name.

```
<iframe name="I1"
src="http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDS.html" height="25"
width="400" marginwidth="1" marginheight="0" scrolling="no" border="0"
frameborder="0">
Your browser does not support inline frames or is currently configured not to
display inline frames.
</iframe>
```

5. River Meter Flash News Scroller:

This is the most complex format but offers smoother scrolling. If you have a large site you definitely will want to consider mounting your own SWF file. That will require the purchase of the [Script Ocean Flash News Scroller](#). The s.html stands for Scroller HTML. Configuration changes can be made to: AMPM On/Off, Last Update Display On/Off, Text Separator, Foreground font color, background color, text size and override the default Station Name.



Please note: Copying this text from a PDF is trick we suggest you use the simulator and copy the page source code. You will have to substitute the Subscriber ID code 4 times below. We suggest you save this code to an include javascript file by using the following tag. The Flash News Scroller has both inner and outer width and height. This means that you will need to adjust the outer one to match the one you configure.

```
<script src="MyRiverMeterFeed.js" type="text/javascript"></script>
```

MyRiverMeterFeed.js FILE CONTENTS START HERE:

```
<script type="text/javascript">
var ns1="";
ns1='<object classid="clsid:d27cdb6e-ae6d-11cf-96b8-444553540000" codebase=\
"http://fpdownload.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=8,0
,0,0" \
width="350" height="50" id="newsscroll12" align="middle">\
<param name="movie" value="http://www.rivermeter.com/ns1flashns.swf" /\>\
<param name="quality" value="high" /\><param name="scale" value="noscale" /\>\
<param name="wmode" value="opaque" /\><param name="bgcolor" value="#ffffff" /\>\
<PARAM NAME=menu VALUE=false /\><param name="salign" value="lt" /\> \
<param name="FlashVars" VALUE="xml_name=<%=myxmlfile%>" /\>\
<embed src="http://www.rivermeter.com/ns1flashns.swf" FlashVars="\
xml_name=http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDfn.xml"
menu="false" quality="high" scale="noscale" wmode="opaque" salign="lt" \
bgcolor="#ffffff" width="500" height="50" name="newsscroll12" align="middle" type=\
"application/x-shockwave-flash"
pluginspage="http://www.macromedia.com/go/getflashplayer"
/></object>'; document.write(ns1);
</script>
<noscript><object classid="clsid:d27cdb6e-ae6d-11cf-96b8-444553540000"
codebase="http://fpdownload.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ve
rsion=8,0,0,0" width="350" height="50" id="newsscroll12" align="middle"><param
name="movie" value="http://www.rivermeter.com/ns1flashns.swf" /\><param
name="quality" value="high" /\><param name="scale" value="noscale" /\><param
name="wmode" value="opaque" /\><param name="bgcolor" value="#ffffff" /\><PARAM
NAME=menu VALUE=false /\><param name="salign" value="lt" /\> <param name="FlashVars"
VALUE="xml_name=http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDfn.xml
" /\><embed src="http://www.rivermeter.com/ns1flashns.swf"
FlashVars="xml_name=http://www.rivermeter.com/_files/SitesLive/SUBSCRIPTIONIDfn
.xml" menu="false" quality="high" scale="noscale" wmode="opaque" salign="lt"
bgcolor="#ffffff" width="500" height="50" name="newsscroll12" align="middle"
type="application/x-shockwave-flash"
pluginspage="http://www.macromedia.com/go/getflashplayer" /\></object></noscript>
```



6. River Meter RSS Feed – This is an example the URL to a subscribed site. You will need to substitute your Subscription ID. Your web browser will also need an RSS Reader. RSS feeds use GMT (Greenwich Mean Time as a RSS standard reference date time stamp to communicate with your RSS reader, so if you click on this you will see two dates: the first being the GMT time and then the date embedded in feed's text having your local time (if you offset to your time zone).

http://www.rivermeter.com/_files/LiveSites/SUBSCRIPTIONIDrss.xml

River Meter Disclaimer:

Although we can not force you to do this we suggest you place this text on your web site:

Please be aware that interruptions in your River Meter data service IS likely for many reason including but not limited to: Sensor or Gauge Failures, Sensor Misreads, Network Failure, Weather, Floods, Flood Control Activity, Construction, Ice, Snow, River Obstructions, Computer Failure, Satellite Failure, Logic Failure, Changes in Data Format and acts of God all beyond our control.

The user of River Meter information must user their own good judgment and common sense and never put themselves at risk without consulting local boating and swimming experts. You use this information at your own risk. Please boat safely and follow all local boating laws and use all designated boat safety equipment.



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RiverMeterUserGuide