CBRFC – SVG proof of concept

What is SVG?

Scalable Vector Graphics (SVG) is a new graphics file format and Web development language based on XML. SVG enables Web developers and designers to create **dynamically generated**, high-quality graphics from **real-time data** with precise structural and visual control. With this powerful new technology, SVG developers can create a new generation of Web applications based on data-driven, interactive, and personalized graphics.


Web Center Features - SVG - Manual Download - Microsoft Internet Explorer
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Address http://www.adobe.com/svg/viewer/install/main.html
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W3C Recommendation
W3C
Scalable Vector Graphics (SVG) 1.1 Specification
W3C Recommendation 14 January 2003
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Latest version:
http://www.w3.org/TR/SVG11/
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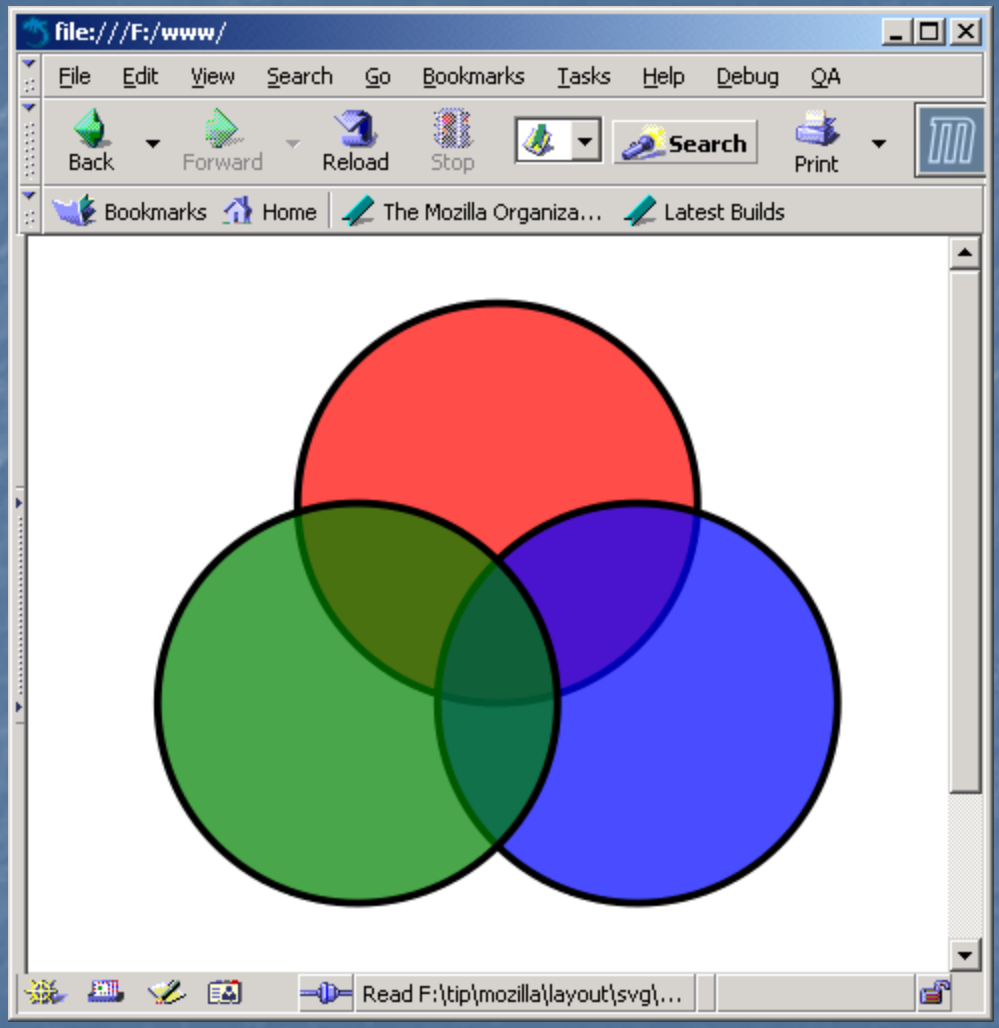
Abstract
This specification defines the features and syntax for Scalable Vector Graphics (SVG) Version 1.1, a modularized language for describing two-dimensional vector and mixed vector/raster graphics in XML.
Internet

SVG is similar in scope to Macromedia's proprietary Flash technology: among other things it offers anti-aliased rendering, pattern and gradient fills, sophisticated filter-effects, clipping to arbitrary paths, text and animations.

What distinguishes SVG from Flash, is that it is a W3 recommendation (i.e. a standard for all intents and purposes) and that it is XML-based as opposed to a closed binary format. It is explicitly designed to work with other W3C standards such as CSS, DOM and SMIL.

```
<?xml version="1.0"?>
<svg xmlns="http://www.w3.org/2000/svg">
  <g style="fill-opacity:0.7; stroke:black; stroke-width:0.1cm;">
          <circle cx="6cm" cy="2cm" r="100" style="fill:red;"
            transform="translate(0,50)" />
         <circle cx="6cm" cy="2cm" r="100" style="fill:blue;"
            transform="translate(70,150)" />
         <circle cx="6cm" cy="2cm" r="100" style="fill:green;"
            transform="translate(-70,150)"/>
  </g>
</svg>
```


file:///F:/www/
File Edit View Search Go Bookmarks Tasks Help Debug QA
Back Forward Reload Stop Search Print
Bookmarks Home The Mozilla Organiza... Latest Builds
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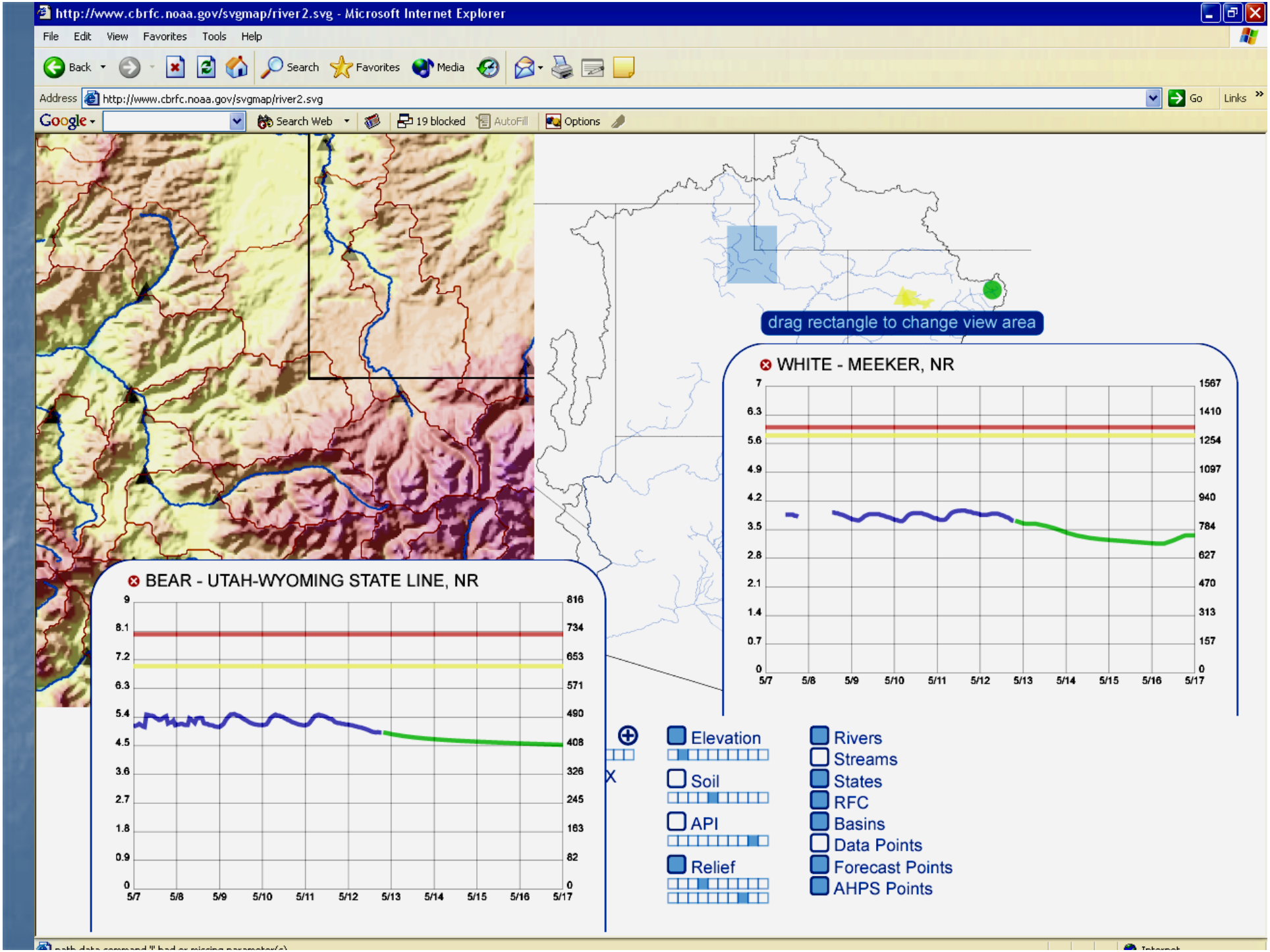
http://www.cbrfc.noaa.gov/svgmap/river2.svg - Microsoft Internet Explorer
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Elevation
Soil
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Relief
Rivers
Streams
States
RFC
Basins
Data Points
Forecast Points
AHPS Points