

VBMP Contour Products

VIRGINIA BASE MAPPING PROGRAM

Contour DTM: This option will utilize the Base Topo DTM, which will be further densified with additional mass points and breaklines sufficient to generate accurate contours at the selected map scale. Breaklines captured along water features will be topologically structured and hydrologically corrected for a positive high-to-low stream flow. The contours delivered for this product (2' or 4' based on selected map scale) will meet both NSSDA vertical accuracy specifications and FEMA contour specifications. All hydrological features such as streams, ponds, lakes, river banks, dam and associated structures, etc. data will be topologically corrected and structured and will be delivered in the contour DTM.

Contour Intervals:

- 2 foot intervals
- 4 foot intervals

Who benefits from Sanborn Contours?

The surface of the Earth is continuously changing at many levels; local, regional, national and global scales. Changes in terrain can have significant impacts for people, the economy and the environment. Organizations that will benefit from the information derived from Sanborn Contours are:

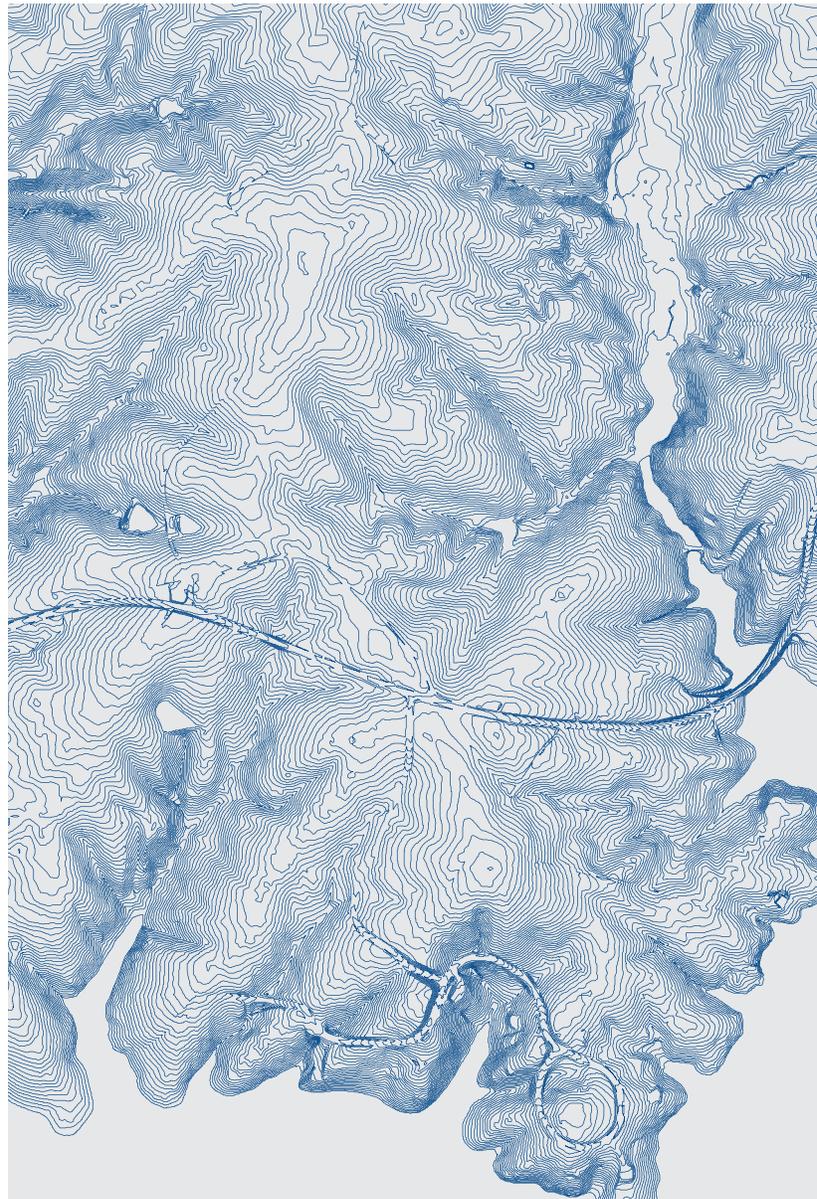
- State, local, and county governments
- Land developers
- Transportation
- Military
- Commercial

Typical uses for Sanborn Contours:

Sanborn Contours are used for planning land management applications such as:

- Land development
- Floodplain analysis
- Route location
- Emergency response
- FEMA mapping
- Storm water management
- Disaster preparedness and response
- Water supply and quality
- Land transportation and safety

Sample shown: 2-foot contours from stereo imagery, Spotsylvania County, VA



Contour Products:

- **2' contours**
(derived from 3" or 6" resolution)
- Maps compiled at 1" = 200' with 2' contours are comparable to DTMs with post spacing of 2 meter

- **4' contours**
(derived from 12" resolution)
- Maps compiled at 1" = 400' with 4' contours are comparable to DTMs with post spacing of 5 meter.

Contour lines will be developed in accordance with the contour guidelines for 2-foot or 4-foot topographic maps. Every fifth contour line is an index contour and is distinguished using a heavier line style to enhance identification. All contour lines are solid and unbroken except where passing through dense ground cover, buildings, and under bridges. In these instances, the contour lines are still continuous, but they are attributed and displayed as broken/dashed lines.

Accuracy statement

Generation of contours will meet NSSDA and FEMA accuracy specifications for 4' and 2' contour intervals.

| Map Product | Ortho Resolution | Individual Mass Point & Breakline Points Vertical Accuracy RMSEz (NSSDA at 95%) | Overall Contour Vertical Accuracy (NSSDA at 95%) |
|---------------|------------------|---|--|
| 4 ft. contour | 1' | 1.3' | 2.6' |
| 2 ft. contour | 6" | 0.65' | 1.3' |

Delivery Formats

- ESRI geodatabase

About Sanborn

With a rich tradition of mapping dating back to 1866, Sanborn provides comprehensive end-to-end geospatial solutions. Sanborn offers products and services that satisfy diverse and evolving customer needs for GIS software systems, application development, systems integration, and spatial analysis and modeling. Leveraging precision remote sensing techniques, Sanborn also supports a wide range of applications and users. Sanborn's solutions are founded on a strong legacy of innovative geospatial data collection and processing capabilities. An internationally recognized company, Sanborn has multiple U.S. offices with customers worldwide. For more information, visit www.sanborn.com.