Greetings,

The Maryland Geological Survey, the Maryland Society of Surveyors, and the Pennsylvania Society of Land Surveyors invite you to participate in an historic project to resurvey all of the monuments on the East-West line of the Mason and Dixon survey.

This project will result in obtaining positions, descriptions of the monuments, pictures, and the preservation of the monuments through the placement onto the National Register of Historic Places.

As a surveyor you know the importance and professional heritage of these monuments not only for the State of Maryland and the Commonwealth of Pennsylvania, but also for the Land Surveyor profession. This project will have a soft start on February 1, 2020 with a kick-off event during Surveyor’s week in March. We look forward to registering some surveyors who would like to conduct surveys in February. We will work with those early starters to generate videos and documentation that can be shared during the kick-off event. Please follow the attached instruction sheet to register and begin coordination.

This project is expected to last two years with the field portion finishing up during the late summer of 2021. The goal is to survey all monuments along the Maryland-Pennsylvania line with additional work continuing to survey the rest of the line to Brown’s Hill.

The Maryland Society of Surveyors and the Pennsylvania Society of Land Surveyors are partners in this project and have initiated this project. We thank them immensely for their partnership, their profession, their passion, and the hard work to come.

Sincerely,

Richard Ort
Director and State Geologist
Maryland Geological Survey

Kenneth N. Weaver Building – 2300 Saint Paul Street – Baltimore, Maryland 21218
410-554-5500 – mgs.md.gov – TTY Users Call via the Maryland Relay
The Mason and Dixon Line Stone Inventory

The upcoming Nationals Surveyors Week, March 15-21, 2020 will be the official kick-off for the inventory of the Mason and Dixon Line Stones along the Maryland and Pennsylvania boundary. A soft start date will be February 1, 2020 and instructions on how to get ready are being provided here. Please share this information with your fellow surveyors or anyone else that may be interested in participating in this historic project.

The Maryland Geological Survey (MGS) and the Pennsylvania Historical & Museum Commission (PHMC) want to get these historic markers included in the National Registry to help in protecting and preserving these physical boundary markers that define the boundary between the two states. The Land Surveying community will be the “boots on the ground,” taking pictures and gathering current physical characteristics and locations of each stone. That data can collected/recorded with any smart device and transferred to MGS for the final processing.
The next three sections will go over (1) the free app that can be downloaded for use in a smartphone or tablet, (2) the sign-up sheet to indicate which stones you are willing to inspect and (3) an explanation of the abbreviations in the stone designations to assist you in knowing some of the details for each stone.

**Register and Volunteer**

**Online sign-up sheet**
This spreadsheet (link below) is where you can find information about and select which stones you want to inspect. Please remember to add your name and email by each stone you select.

[Link to sign-up sheet]

Contact christopher.connallon@maryland.gov with and questions about the app or access to the sign-up sheet. For any questions about the coordinates or other data on the sign-up sheet contact Pat Simon at psimon@baltimorecountymd.gov

**ESRI Survey 123 app**

Link to the [tutorial video](https://www.youtube.com/watch?v=Ncw_EixkiGM&feature=youtu.be) by Chris Connallon at MGS -

- Download Survey123 for ArcGIS on your GPS enabled device (through google play store, or apple app store)

- After the app is installed on your device, do not log-in to the app. When you are connected to wireless or cellular network, follow [this link to download the survey form](https://survey123.arcgis.com/share/8bf2d7f8870348478f4bd0e8979555714?open=native) (it should open in the Survey123 app), you may be prompted to allow the app to access location, take photos, etc. Say yes to these. [note: this link will not open if Survey123 mobile field app is not installed]

- *After you have installed the Survey123 app and loaded the survey form, click the link below to read the Google doc instruction sheet on how to use the app and the survey form on this google doc: [https://drive.google.com/open?id=1C1Z_S6QZ6rvc-o9ZYUZqH8Laif0jWzM-If_LskytMc8](https://drive.google.com/open?id=1C1Z_S6QZ6rvc-o9ZYUZqH8Laif0jWzM-If_LskytMc8)

As a reference, we have uploaded data from the most recent previous monument survey into a google [reference map](https://www.google.com/maps/d/u/0/edit?mid=1XL0Ja8ZMAWKLsdxk3SdG79yDIE35uh&ll=39.71848752927563%2C-77.35164881499998&z=9)
**Stone naming conventions in kmz and excel files**

Upon request, a KMZ file is available for import into Google Earth or other mapping software to assist in showing the locations of the stones for the inventory.

*From Stone 0 (Northeast corner of Maryland) to Stone 132 (East side of Sideling Hill)*

**M-D Stone 13**

*Mason & Dixon Survey Stone number 13*

**M-D Stone 37 (Approx.)**

Stone was found on line, but no survey-grade coordinates obtained. Position is *Approximate*

**M-D Stone 50 (Replacement from MD)**

Original crown stone 50 given to the Maryland Historical Society for a *replacement* stone set here

**M-D Stone 56 (Missing)**

Stone is *missing* (not found) from the line and approximate position in kmz file

**M-D Stone 75 (2002)**

This is a replacement stone set in 2002

**M-D Stone 127 (NGS)**

Coordinates from the National Geodetic Survey (*NGS*) disk in the stone

*After Stone 132 (last stone set by Mason and Dixon) the 1900-1903 Resurvey numbers are included*

**M-D Stone 133a Resurvey (138)MP**

The *a* indicates the 1\textsuperscript{st} stone ("b" would be 2\textsuperscript{nd}, "c" would be 3\textsuperscript{rd} etc.) set during the resurvey after the Mason & Dixon mile *133*

The 1900-1903 *Resurvey* designated this stone as number *138*

Original Mile Post (*MP*) from “Fort Frederick,” (SW of Hagerstown, MD & Chambersburg, PA) was set

**M-D Stone 136a Resurvey(142)CS**

Original Crown Stone (*CS*) from “Fort Frederick,” (SW of Hagerstown, MD & Chambersburg, PA) was set

**M-D Stone 140a Resurvey(149) Approx.**

The lack of “MP” or “CS” indicates a *10” by 10” 1902 Resurvey standard type stone* was used

**M-D Stone 146aC Resurvey(155) Approx.**

A capital “C” indicates this stone is in an original “cairn” set by Mason & Dixon

**M-D Stone 154bC Resurvey(165)(MDOT)**
Coordinates provided by the Maryland Department Of Transportation (*MDOT*)

**M-D Stone 158a Resurvey(169) (Replacement from PA)**

Original crown stone 115 given to the Historical Society of Pennsylvania for a *replacement* stone set here.

**M-D Stone 165b Resurvey(178) Bauer Stone**

Stone set in the Mason & Dixon line during the 1898 Survey of the Boundary Line between Allegany and Garrett counties. The survey was performed by L.A. *Bauer* with a final report prepared in 1903.

**M-D Stone 181c Resurvey(201) Removed**

This stone was *removed* from the line prior to the 1980 inventory. At that time, Alice Martin documented it was in the front yard of Mark Folk in Springs, PA.

**M-D Stone 195bC Resurvey(222)(Sinclair 55.2) Approx.**

Stone set in the Mason & Dixon line during the 1885 Survey of the Pennsylvania and West Virginia Boundary. The survey was performed by C.H. *Sinclair* with this stone set in an original Mason & Dixon cairn located 55.2 miles east of the southwest corner of PA.

**M-D Stone 196a Resurvey(1951 no223 1910 no34) Approx.**

Stone set in the Mason & Dixon line at the northwest corner of Maryland during the 1910 Survey of the Maryland and West Virginia Boundary. The survey was performed per the decision of the Supreme Court case. The stone is numbered 34 in the 1910 survey. The stone was not in place during the 1900-1903 Resurvey or 1885 Sinclair survey, but was included as stone 223 in the 1951 inventory by Dr. Trussell.

**M-D Stone 196b Resurvey(223-224?)(Michler Monument?) Approx.**

Possibly one of the Sinclair stones set in the original Mason & Dixon line. This may be a replacement for the tall, slim, white granite or sandstone, Michler Monument set in 1860. The USGS quad map has both 223 and 224 at this site, while the 1900-1903 Resurvey places stone 224 at 1,300 feet west of here. The only inscription, on west side of stone, is not readable.

**M-D Stone 196cC Resurvey(224)(Sinclair 54.2) Approx.**

Stone set in the Mason & Dixon line during the 1885 Survey of the Pennsylvania and West Virginia Boundary. This stone is set in an original Mason & Dixon cairn, 54.2 miles east of the southwest corner of PA. The 1900-1903 Resurvey lists as stone 224, but it is not shown, at this location, on the USGS quad.

**M-D Stone 198 Resurvey(225)(Sinclair 53.1) Approx.**

Stone set in the Mason & Dixon line during the 1885 Survey of the Pennsylvania and West Virginia Boundary. This is the last stone included in the 1900-1903 Resurvey and located 53.1 miles east of the southwest corner of PA.

**M-D Stone 199a (Sinclair 51.6) Approx.**
Stone set in the Mason & Dixon line during the 1885 Survey of the Pennsylvania and West Virginia Boundary. This stone is located 51.6 miles east of the southwest corner of PA. This was part of the MDLPP inventory and just over a mile from the previous stone.