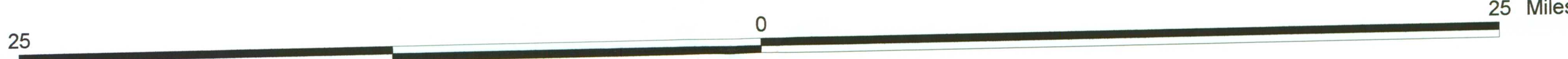


MAP CREDITS
Digital cartography by Peter Hyde with assistance by Jim Reddy
Compilation by Scott Southworth, Wayne Newell, and Tom Armstrong

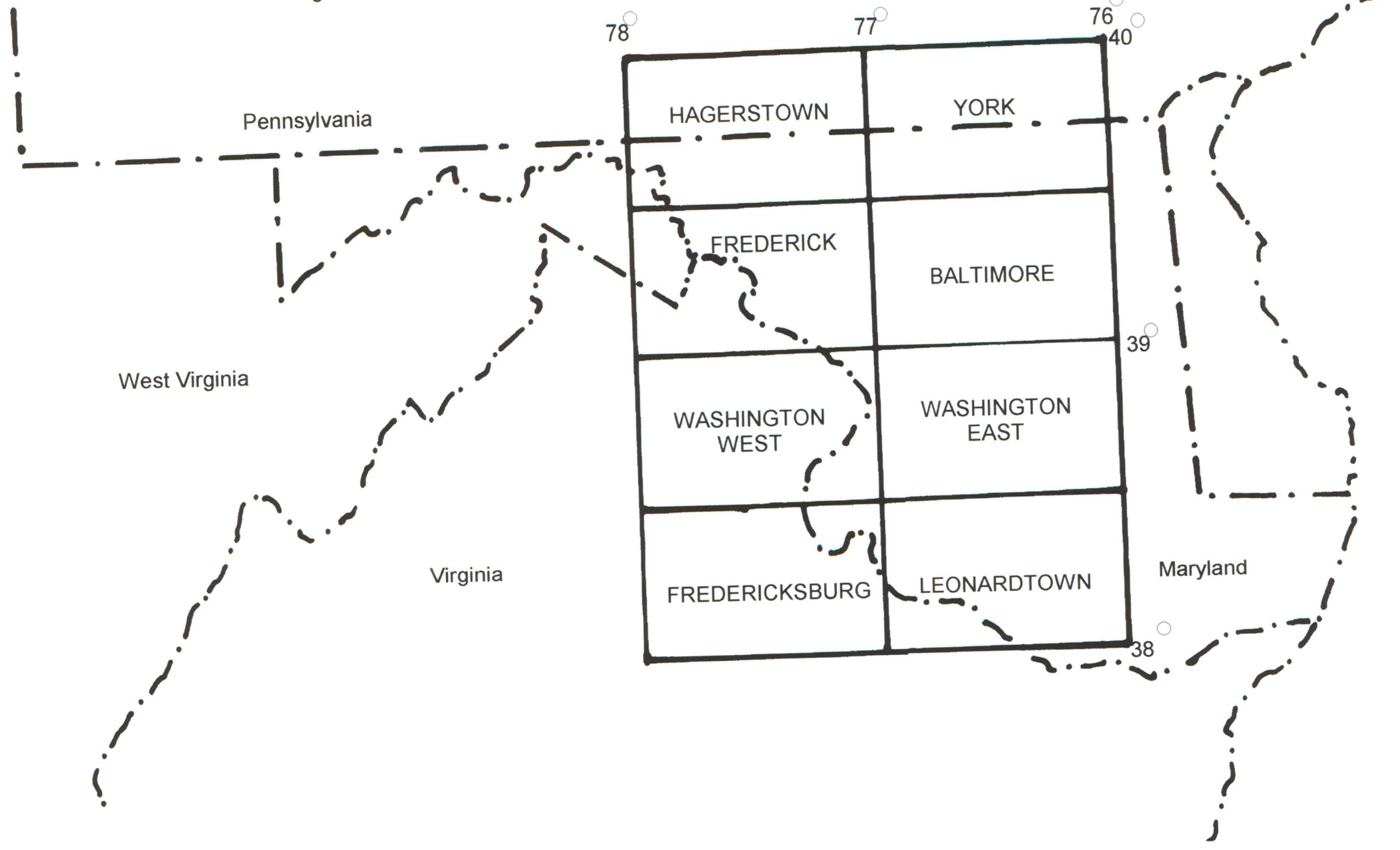
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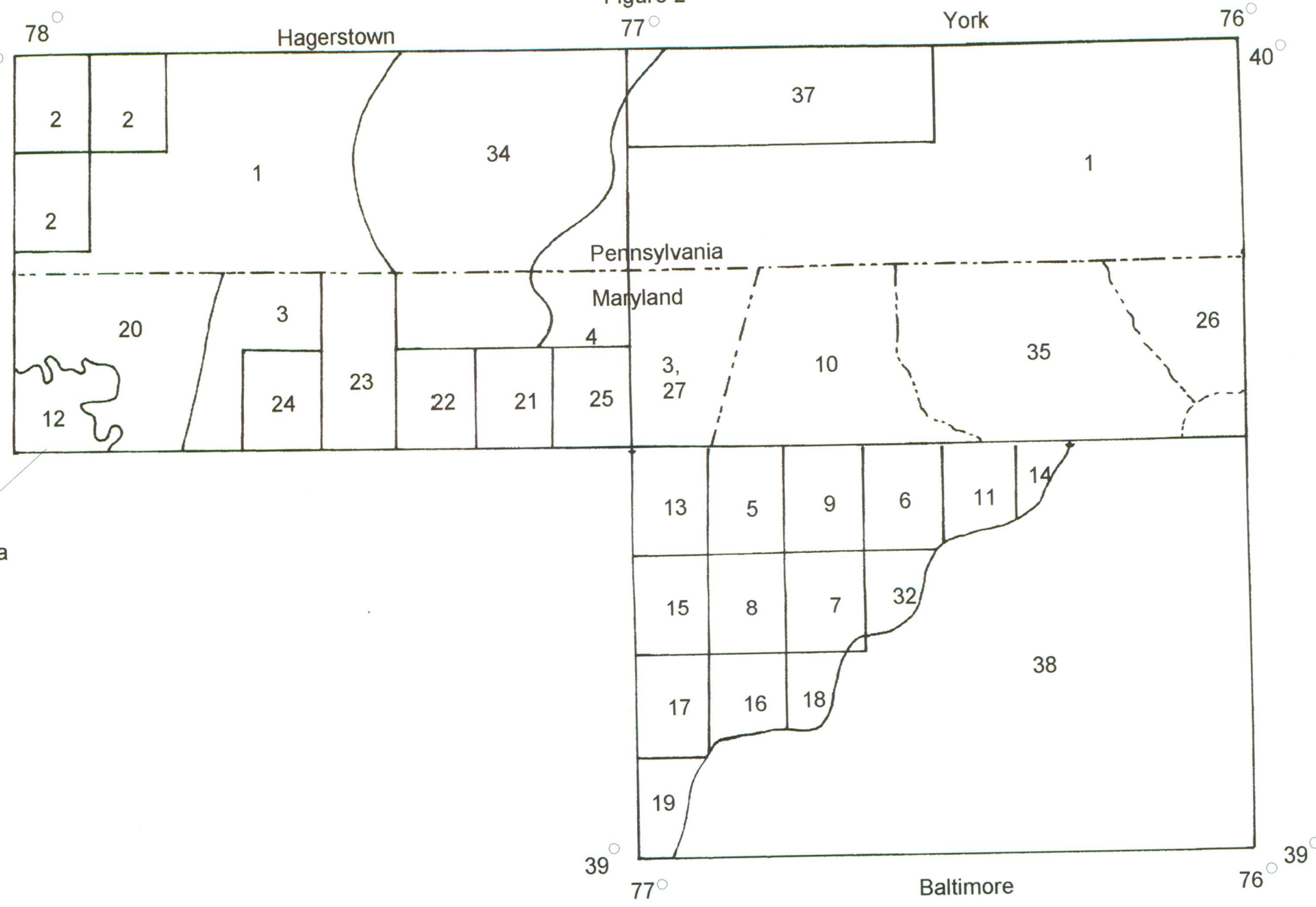
INTRODUCTION

This geologic map of rock units suitable for use as natural aggregate resources was compiled at 1:100,000-scale for the Frederickburg, Leonardtown, Washington West, Washington East, Frederick, Baltimore, Hagerstown, and York 1 degree by 30 minute quadrangles (Figure 1) in Virginia, West Virginia, District of Columbia, and Pennsylvania. The map compilation was developed to support a study of construction-related industrial mineral resources for the Mid-Atlantic region (Robertson and Taper, 1996). The compiled rock units include carbonate rock (limestone, dolomite, and marble), non-foliated to poorly-foliated granitic rocks, high-silica sandstone and quartzite, basalt, gneiss (metamorphosed basalt), diabase, hornfels (contact metamorphosed sedimentary rocks), gabbro, serpentinite, and gravel-rich surficial deposits. Figure 1 shows the map quadrangles, the chief compiler(s), and the source(s) of the compiled units of the Hagerstown, Baltimore, and York 60 by 30 minute quadrangles, the numbers are references.

Figure 1. Index map of USGS 30 x 60 minute topographic quadrangle maps



Aggregate Source Rocks



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QUADRANGLE	COMPILER(S)	SOURCE(S)
Hagerstown	Southworth	See figure 2
York	Southworth	See figure 2
Frederick	Southworth	Southworth and others (in press)
Baltimore	Armstrong (bedrock), Newell (gravel)	See figure 2
Washington West	Southworth	Lytle and others (in press)
Washington East	Newell	Powers and Newell (in press)
Frederickburg	Southworth	Mason and others (in press)
Leonardtown	Newell	McCann and others (in press)