SOME GEOSPATIAL TOOLS AND TECHNIQUES FOR GEOLOGIC MAPPING IN WEST VIRGINIA’S PLATEAUS

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Introduction

• Automated outcrop generation
• Direct GIS data entry
• GPS location capture
• Statewide elevation control
• Lidar-based cliff lines as an aid to correlation
• Overlapping base maps
• Non-geospatial techniques
Automated Outcrop Generation
Direct GIS Data Entry
GPS Location Capture
Statewide Elevation Control
Lidar to use this surface elevation data
Lidar-based Cliff Lines as an Aid to Correlation
Overlapping Base Maps
Non-geospatial Techniques
Case Study—Using History to Interpret Geologic Features
Nuttallburg Conveyor, Town, and Nuttall Mine
1927

Henry Ford Museum and Greenfield Village photo collection
Questions?