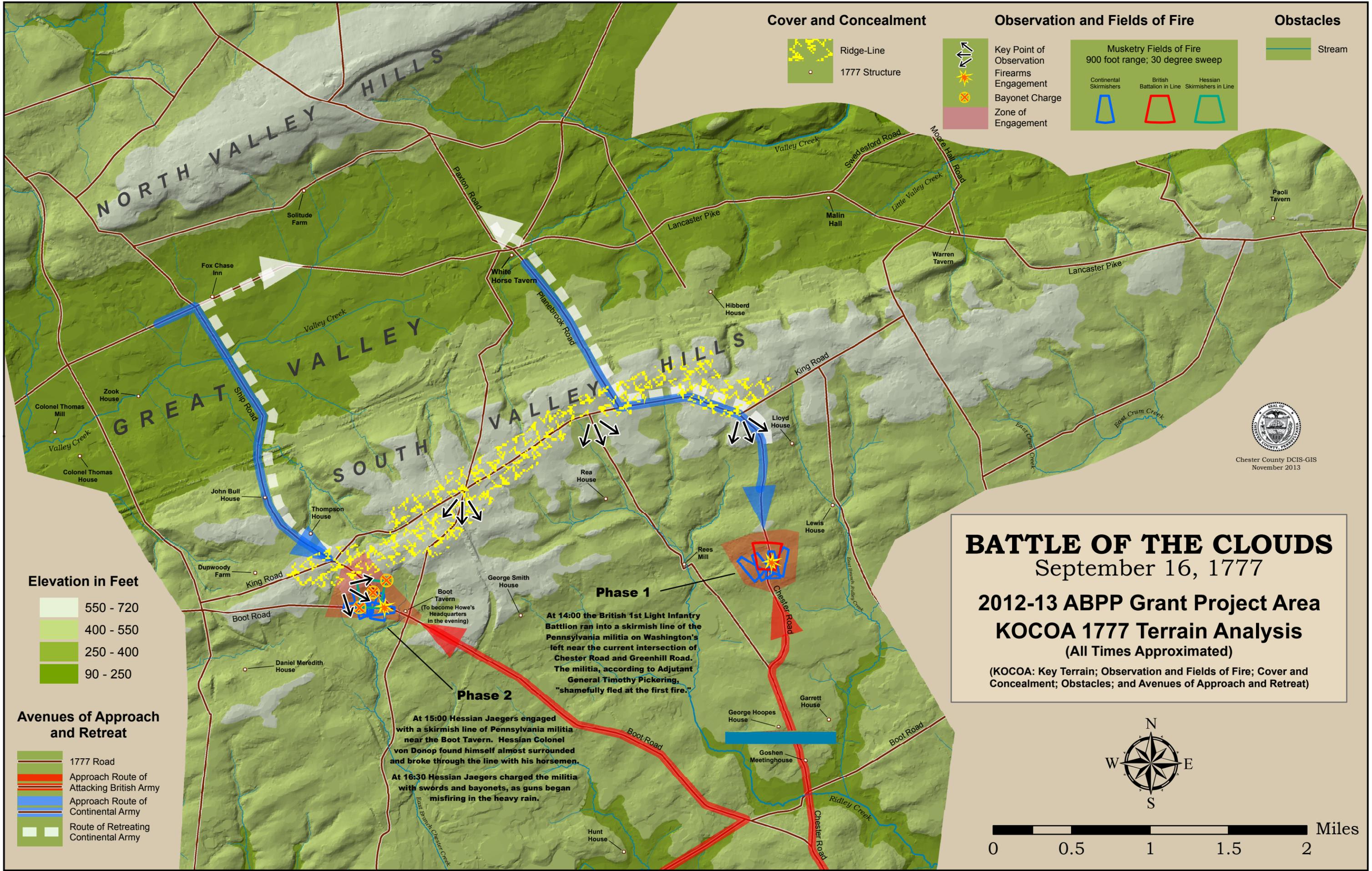


Appendix G

KOCHOA Maps



Cover and Concealment

- Ridge-Line
- 1777 Structure

Observation and Fields of Fire

- Key Point of Observation
- Firearms Engagement
- Bayonet Charge
- Zone of Engagement

- Musketry Fields of Fire
900 foot range; 30 degree sweep
- Continental Skirmishers
 - British Battalion in Line
 - Hessian Skirmishers in Line

Obstacles

- Stream

Elevation in Feet

- 550 - 720
- 400 - 550
- 250 - 400
- 90 - 250

Avenues of Approach and Retreat

- 1777 Road
- Approach Route of Attacking British Army
- Approach Route of Continental Army
- Route of Retreating Continental Army

Phase 1

At 14:00 the British 1st Light Infantry Battalion ran into a skirmish line of the Pennsylvania militia on Washington's left near the current intersection of Chester Road and Greenhill Road. The militia, according to Adjutant General Timothy Pickering, "shamefully fled at the first fire."

Phase 2

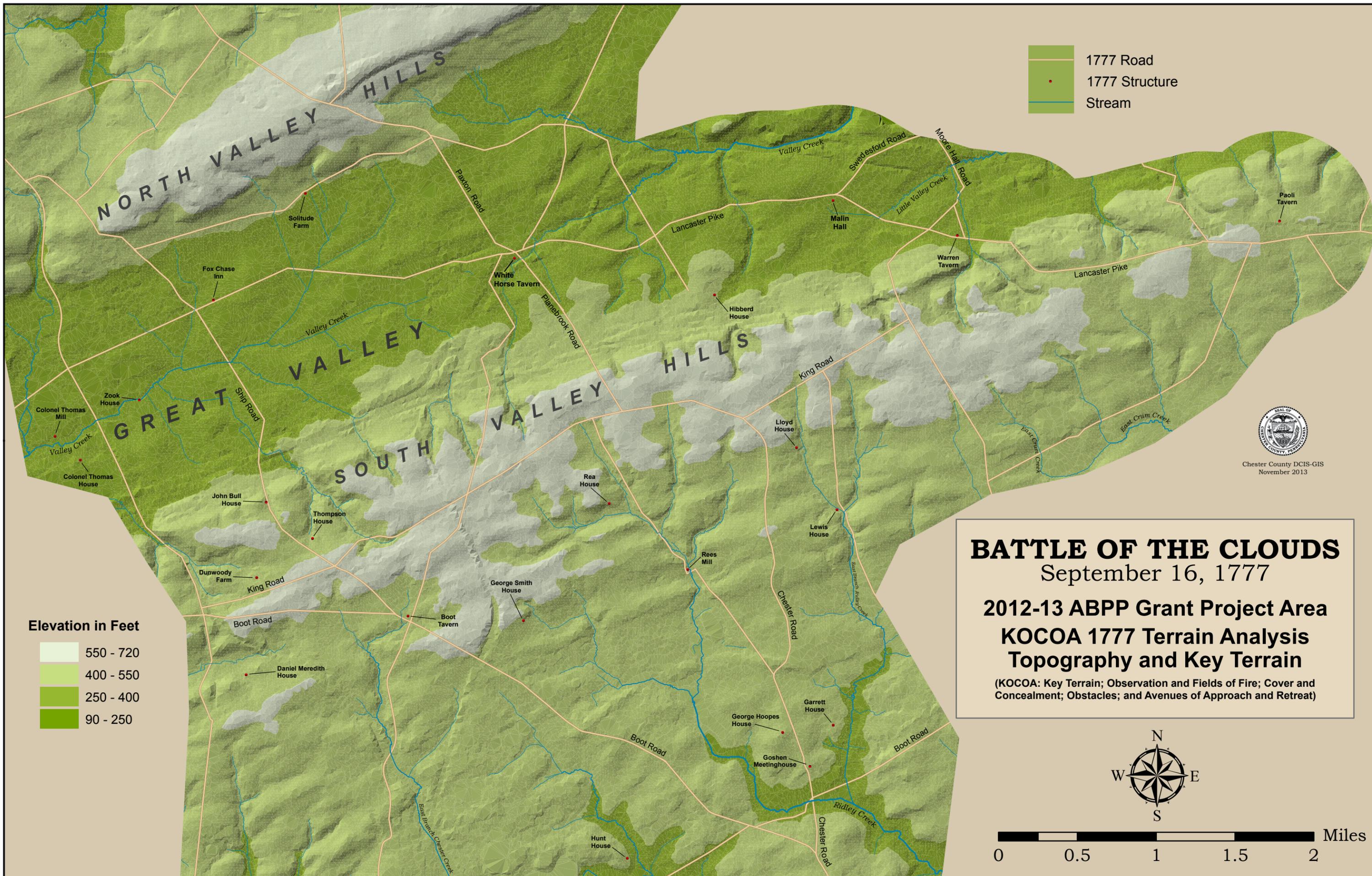
At 15:00 Hessian Jaegers engaged with a skirmish line of Pennsylvania militia near the Boot Tavern. Hessian Colonel von Donop found himself almost surrounded and broke through the line with his horsemen.
At 16:30 Hessian Jaegers charged the militia with swords and bayonets, as guns began misfiring in the heavy rain.



Chester County DCIS-GIS
November 2013

BATTLE OF THE CLOUDS
September 16, 1777
2012-13 ABPP Grant Project Area
KOCSA 1777 Terrain Analysis
(All Times Approximated)
(KOCSA: Key Terrain; Observation and Fields of Fire; Cover and Concealment; Obstacles; and Avenues of Approach and Retreat)





Chester County DCIS-GIS
 November 2013

BATTLE OF THE CLOUDS

September 16, 1777

2012-13 ABPP Grant Project Area

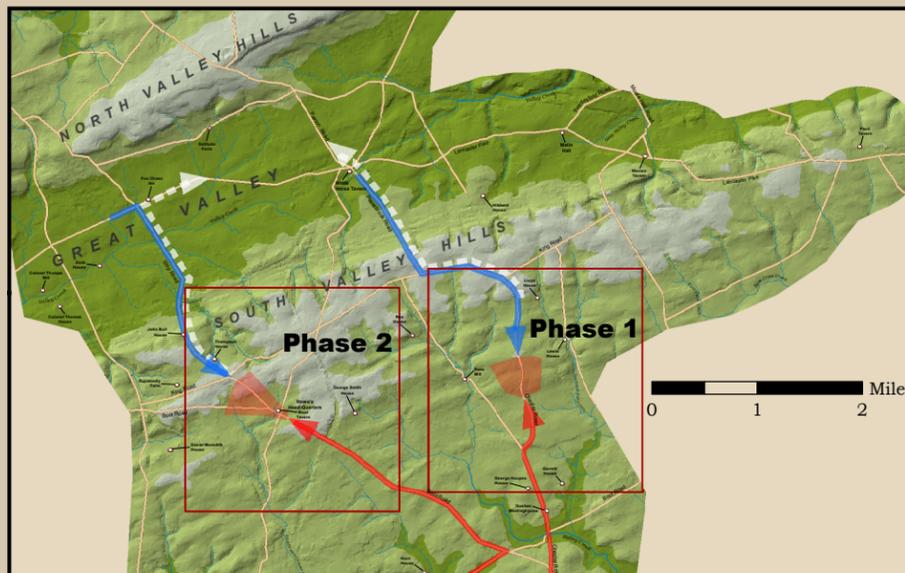
KOCSA 1777 Terrain Analysis

Fields Of Fire

(KOCSA: Key Terrain; Observation and Fields of Fire; Cover and Concealment; Obstacles; and Avenues of Approach and Retreat)

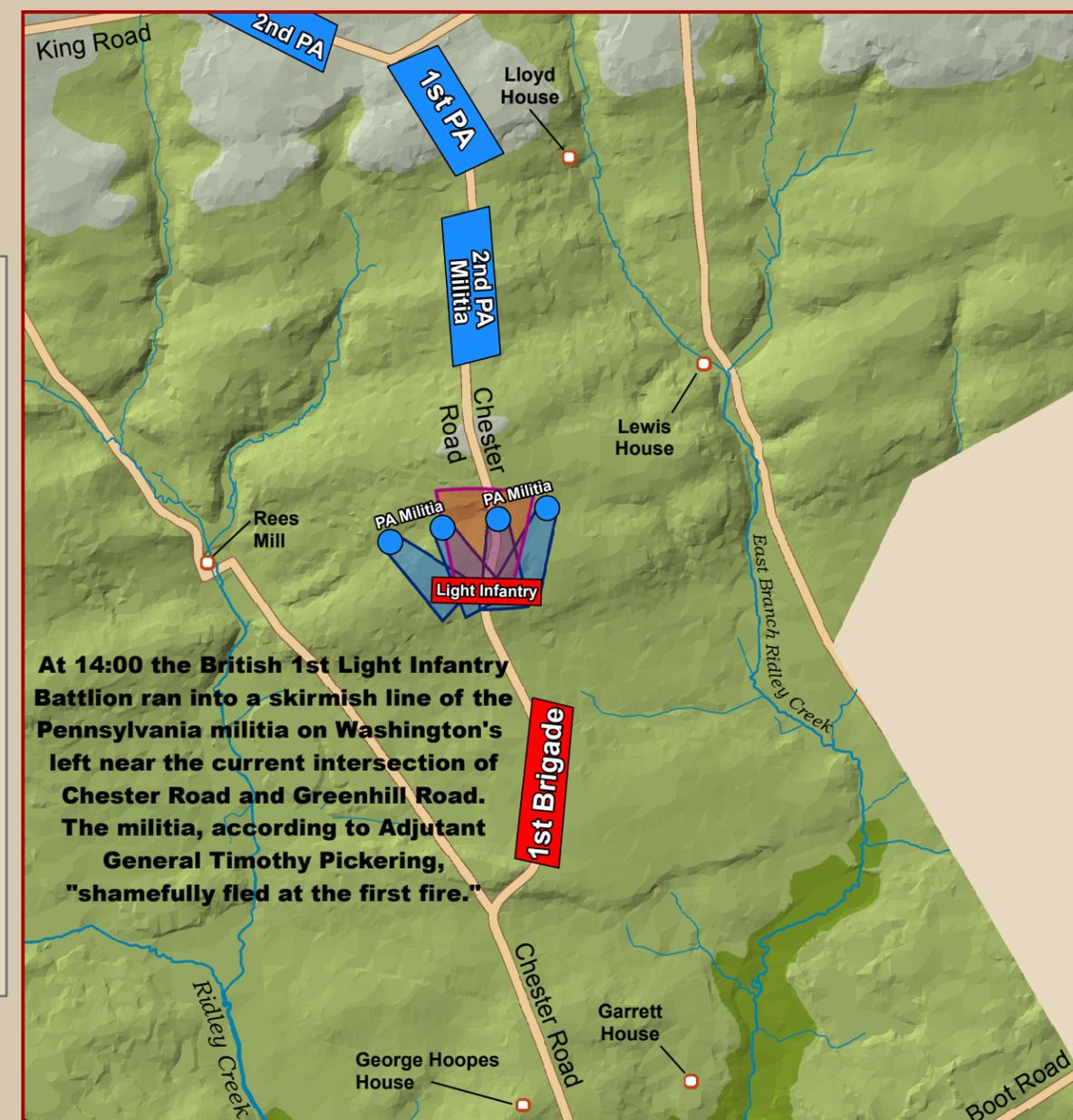
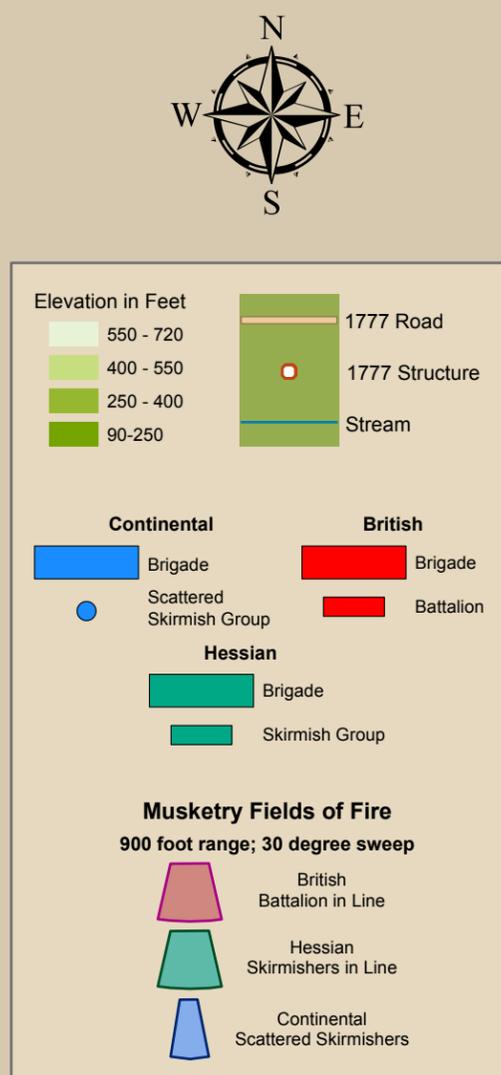
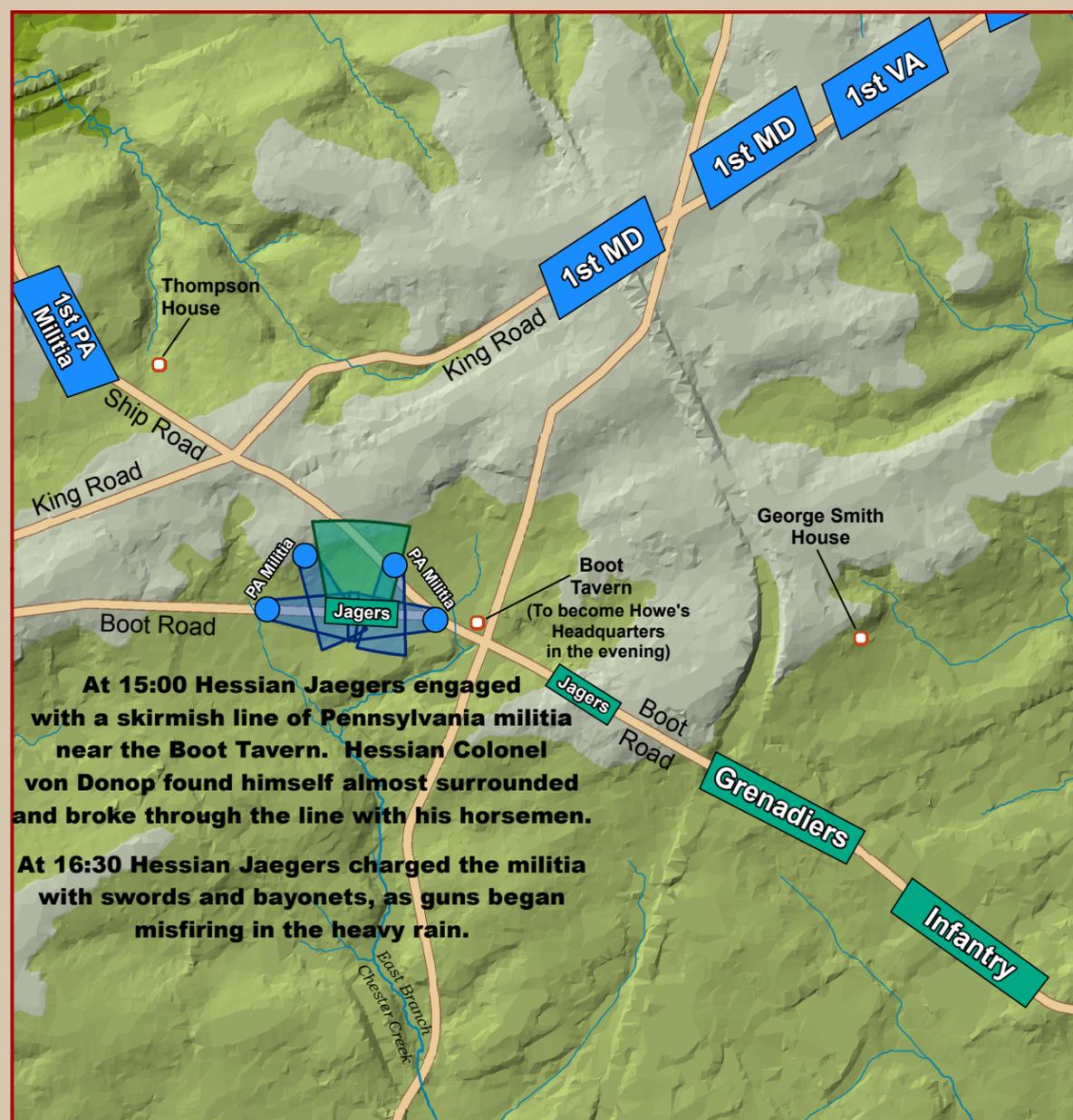


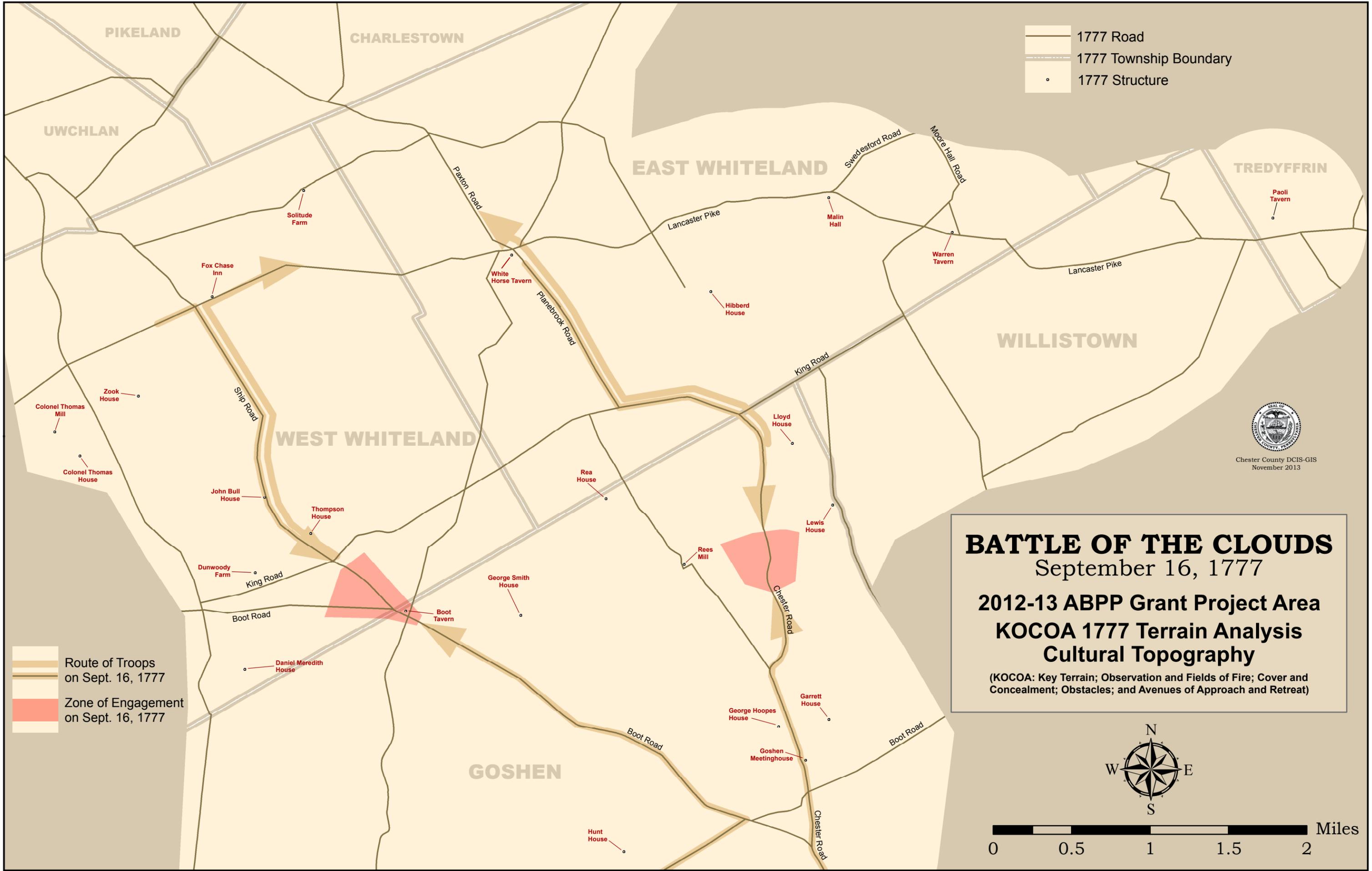
Chester County DCIS-GIS
November 2013

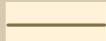


Phase 2

Phase 1





 1777 Road
 1777 Township Boundary
 1777 Structure



Chester County DCIS-GIS
November 2013

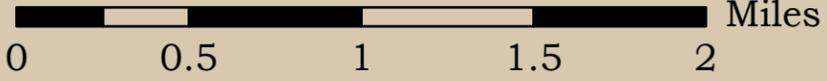
BATTLE OF THE CLOUDS
September 16, 1777

2012-13 ABPP Grant Project Area
KOCSA 1777 Terrain Analysis
Cultural Topography

(KOCSA: Key Terrain; Observation and Fields of Fire; Cover and Concealment; Obstacles; and Avenues of Approach and Retreat)

 Route of Troops on Sept. 16, 1777
 Zone of Engagement on Sept. 16, 1777



 Miles
 0 0.5 1 1.5 2