



South Carolina Battleground Preservation Trust

Preserving military historic sites in South Carolina for twenty-five years



Two Preservation Initiatives:

- LiDAR: Preservation through Innovation
- Liberty Trail: Preserving South Carolina's Revolutionary War Battlefields



LiDAR Technology

LiDAR (Light Detection and Ranging), developed in the late 1970s, is a remote sensing technology that uses near infra-red light to rapidly measure and record the distance to a surface from a sensor position.

Ground-based scanners are capable of collecting one million survey points per second.



LiDAR Applications:

Preserve:

- Aerial LiDAR site reconnaissance
- Terrestrial LiDAR high definition 3D record of site

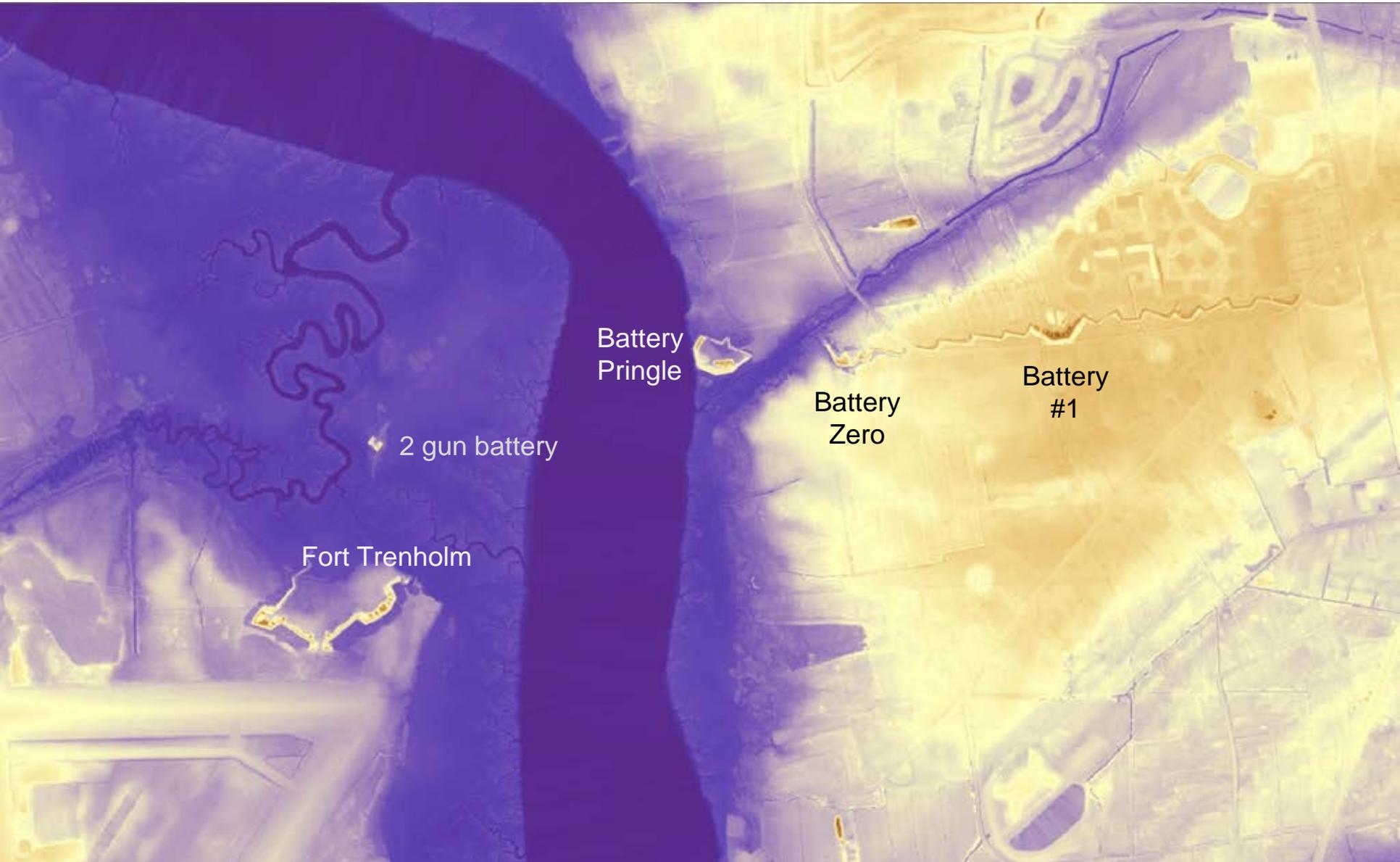
Manage:

- Create highly detailed site survey maps
- Detect & monitor erosion patterns
(i.e. Tidal erosion or impact of foot traffic)
- Vegetation management
- Monitor the impacts of a preservation plan

Promote:

- Create detailed “as-is” and “as built” 3D topographical models
- Provide an unobstructed view of battlefields & fortifications
- Provide accurate site feature interpretation

Stono River Fortifications



Battery
Pringle

Battery
Zero

Battery
#1

Fort Trenholm

2 gun battery

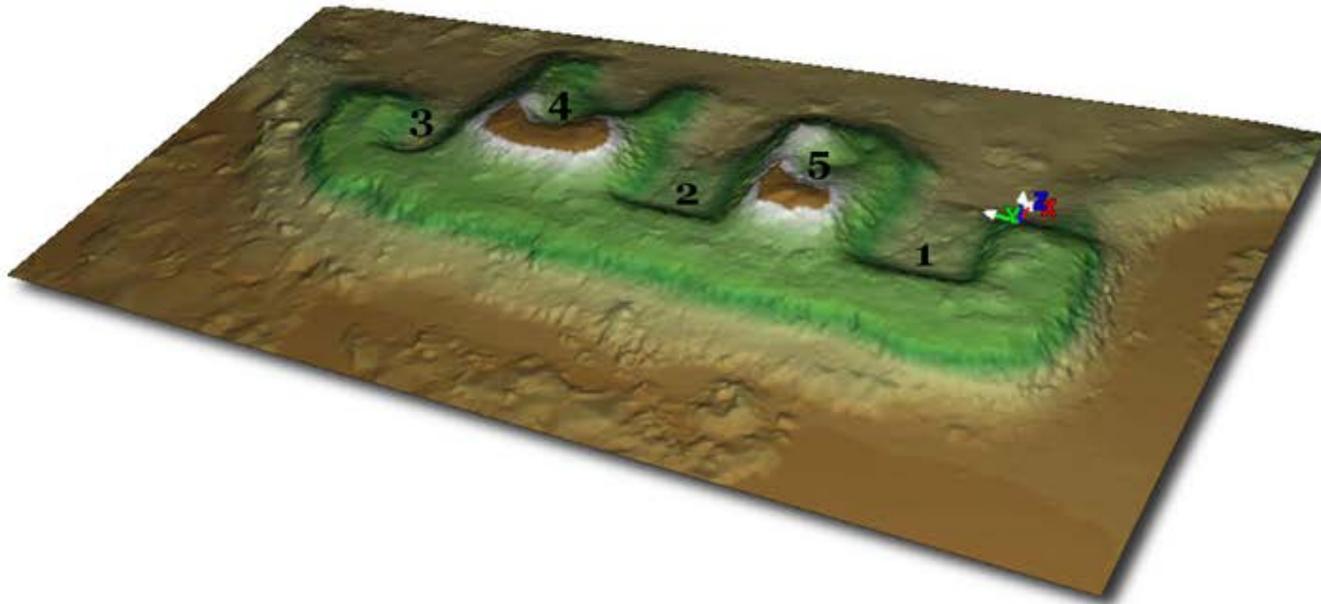
LiDAR image of Fort Lamar site, James Island, SC





Fort Palmetto, Mount Pleasant, SC

Fort Palmetto Terrestrial LiDAR Model – “as-exists” Model



- 1. Gun Position**
- 2. Gun Position**
- 3. Gun Position**
- 4. Bombproof/Magazine**
- 5. Bombproof/Magazine**

Fort Palmetto “As-built” Model, 1863





Liberty Trail

**A Partnership Between the SC Battleground Preservation Trust
& the Civil War Trust**



Campaign 1776

BATTLE OF HANGING ROCK, SC

AUGUST 6, 1780

Campaign1776.org

SUMTER
(~800 troops)

IRWIN
(~200 troops)

HILL
(~300 troops)

Loyalist Camp
BRYAN (~800 troops)

Reserve Units
DAVIE
(~100 troops)

IRWIN

HILL

Cole

British Provincials Camp

MCCULLOCH
(~160 troops +
unknown number
of Royal NC Reg)

DAVIE

Reserve Units

CARDEN

DAVIE

IRWIN

HILL

CARDEN
(~1,400 troops)

Prince of Wales
American Reg.
advancing

ROYAL ARTILLERY
(two 3-pound guns)

Retreating
troops form an
infantry square

**Prince of
Wales
Regiment
Camp**
CARDEN
(~181 troops
Prince of Wales
American Reg)

LEGEND

- | | |
|---|---|
|  | British |
|  | American |
|  | 18th-Century Woodline |
|  | 18th-Century Structures |
|  | 18th-Century Roads |
|  | 18th-Century Roads no longer in existence |
|  | 18th-Century Fences |
|  | Modern Roads |
|  | Preserved by other Organizations |

*Saving the battlefields
where America
was forged*

Updated February 2016

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*Campaign 1776 is a project of the Civil War Trust.
Map prepared by Steven Stanley.*

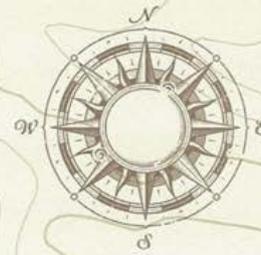


Campaign 1776

BATTLE OF WAXHAW, SC

MAY 29, 1780

Campaign1776.org



BUFORD

Reserve

Battleline

TARLETON

CORBETT/
KINLOCK

COCHRANE

Reserve

TARLETON

LEGEND

British	American
	18th-Century Woodline
	18th-Century Structures
	18th-Century Roads
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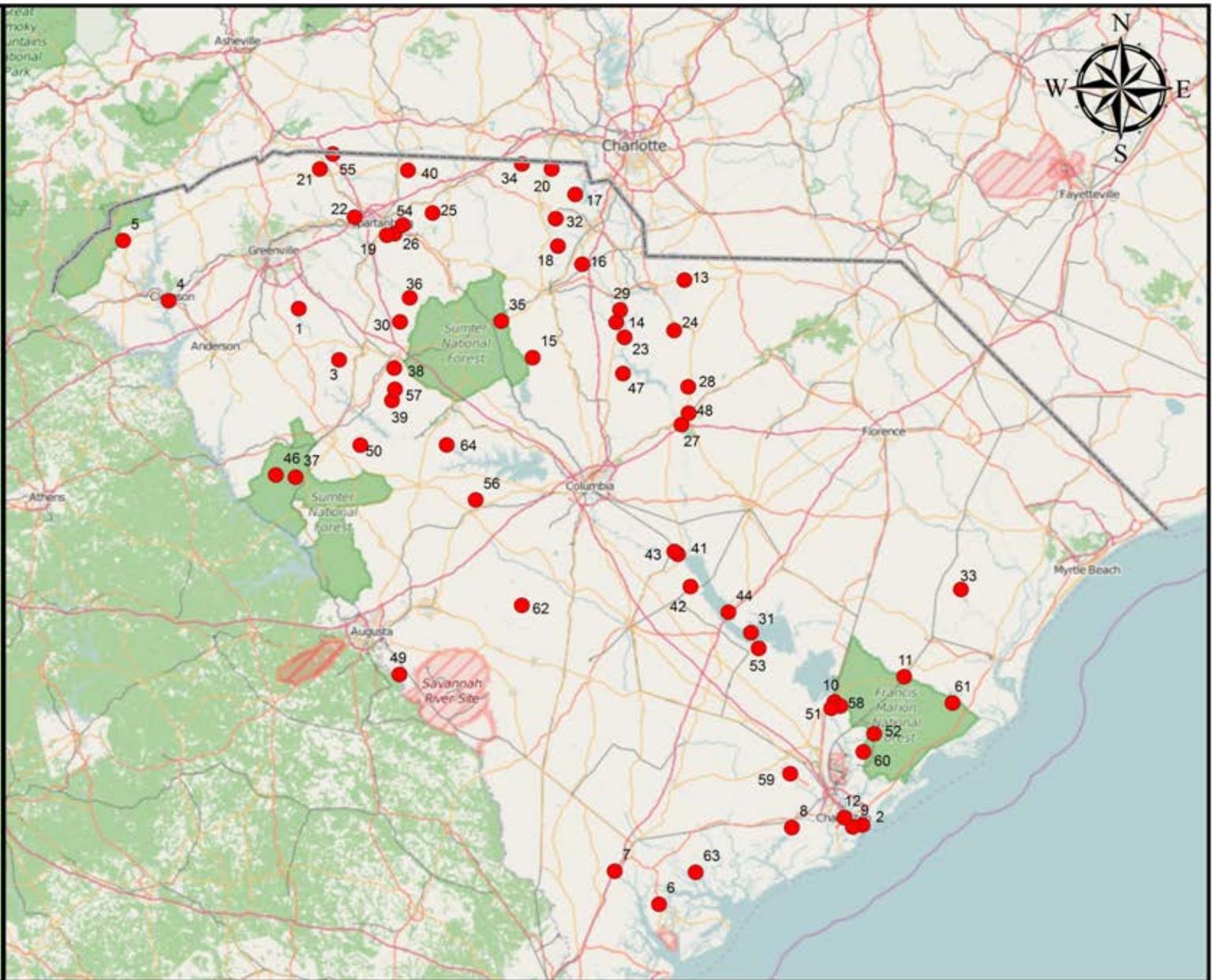
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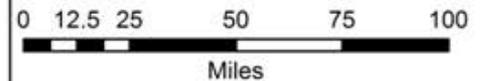
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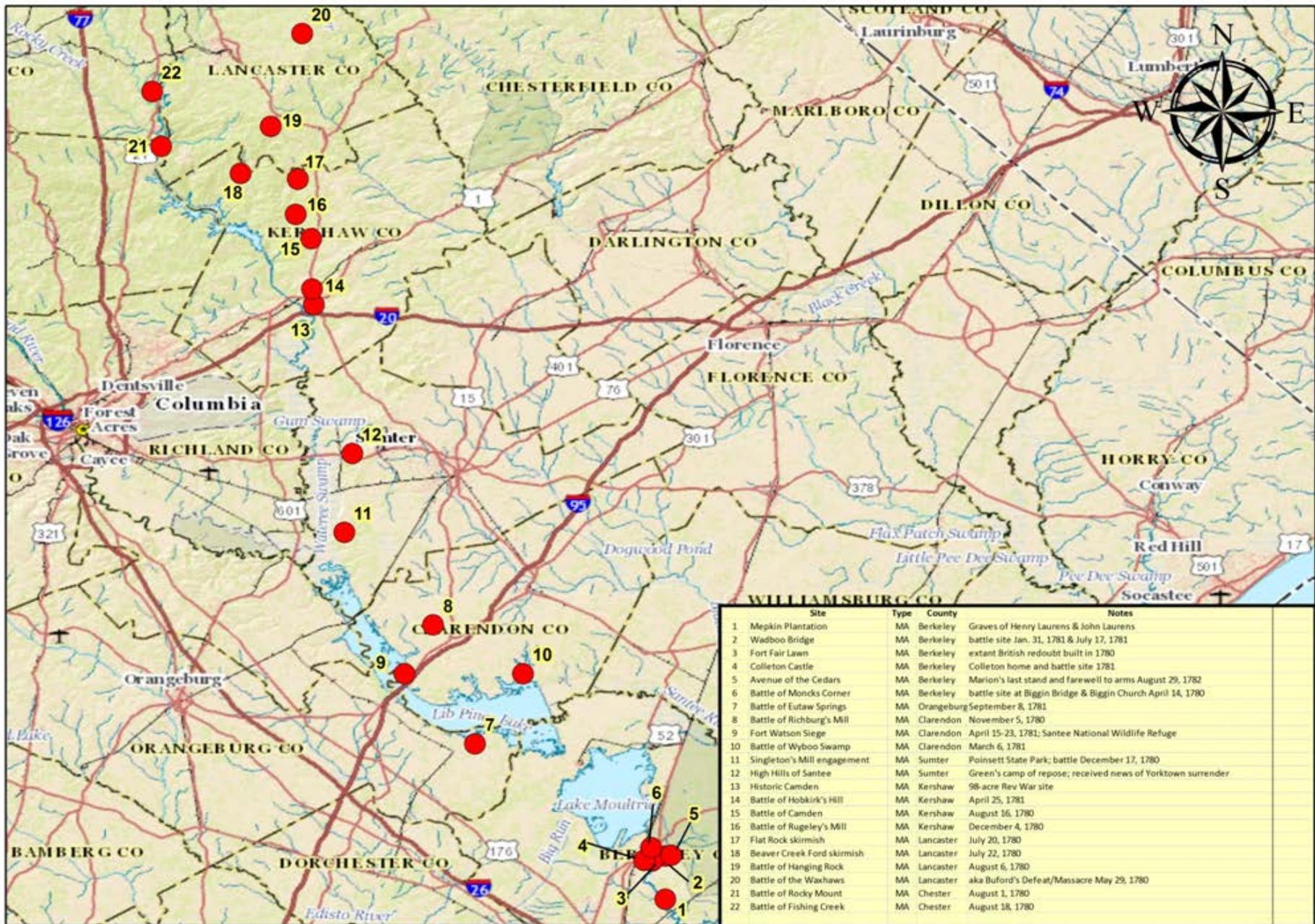
Rocky River Road

Site Name	Description
1	Great Cane Break
2	Fort Moultrie
3	Lyndley's Fort
4	Esseneca
5	Ring Fight
6	Gray's Hill (Port Royal)
7	Coosawhatchie Bridge
8	Stono Ferry
9	James Island
10	Monks Corner
11	Lenud's Ferry
12	Siege of Charleston
13	Waxsaws/Buford's Massacre
14	Alexander's Old Field
15	Mobley's Meeting House
16	Upper Fishing Creek Church
17	Hill's Iron Works
18	Huck's Defeat
19	Cedar Springs I, II
20	Gowen's Fort
21	McDowell's Camp
22	Fort Prince
23	Rocky Mount
24	Hanging Rock 1st and 2nd
25	Fort Thicketty
26	Woford's Iron Works
27	Carey's Fort
28	Camden/Gum Swamp
29	Fishing Creek
30	Musgrove's Mill
31	Great Savannah
32	Stalling's Plantation
33	Black Mingo Creek
34	King's Mountain
35	Fishdam Ford
36	Blackstock's Plantation
37	Long Cane Creek
38	Hammond's Store
39	Fort Williams
40	Cowpens
41	Thompson's Plantation
42	Big Savannah
43	Fort Motte
44	Fort Watson
45	Scape Hoar
46	Beattie's Mill
47	Dutchman's Creek
48	Hobkirk Hill
49	Fort Galpin
50	Siege of Fort Ninety Six
51	Biggins Church (Wadboo Bridge)
52	Quinby Bridge
53	Eutaw Springs
54	Wofford's Iron Works
55	Gowen's Fort
56	Clouds Creek Massacre
57	Hayes' Station
58	Fair Lawn
59	Fort Dorchester
60	Videau's Bridge
61	Wambaw Bridge
62	Dean's Swamp
63	Tar Bluff
64	Lorick's Ferry



Revolutionary War Battlefields In South Carolina

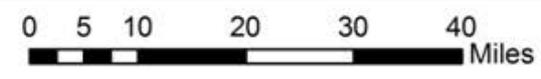




Site	Type	County	Notes
1	MA	Berkeley	Graves of Henry Laurens & John Laurens
2	MA	Berkeley	battle site Jan. 31, 1781 & July 17, 1781
3	MA	Berkeley	extant British redoubt built in 1780
4	MA	Berkeley	Colleton home and battle site 1781
5	MA	Berkeley	Marion's last stand and farewell to arms August 29, 1782
6	MA	Berkeley	battle site at Biggin Bridge & Biggin Church April 14, 1780
7	MA	Orangeburg	September 8, 1781
8	MA	Clarendon	November 5, 1780
9	MA	Clarendon	April 15-23, 1781; Santee National Wildlife Refuge
10	MA	Clarendon	March 6, 1781
11	MA	Sumter	Poinsett State Park; battle December 17, 1780
12	MA	Sumter	Green's camp of repose; received news of Yorktown surrender
13	MA	Kershaw	98-acre Rev War site
14	MA	Kershaw	April 25, 1781
15	MA	Kershaw	August 16, 1780
16	MA	Kershaw	December 4, 1780
17	MA	Lancaster	July 20, 1780
18	MA	Lancaster	July 22, 1780
19	MA	Lancaster	August 6, 1780
20	MA	Lancaster	aka Buford's Defeat/Massacre May 29, 1780
21	MA	Chester	August 1, 1780
22	MA	Chester	August 18, 1780



Liberty Trail South Carolina



Features of the *Liberty Trail* Program

1. Preservation of the Land
2. Interpretation of the Battles

- Roadside markers
- On-site interpretive signage with maps
- Public brochures & battle monographs
- Web-based smart phone & tablet App

