

MILITARY MAP
 showing the topographical features of the country
 adjacent to
HARPER'S FERRY VA.

including
 Maryland, Loudoun, and Bolivar Heights, and
 portions of South and Short Mountains,

with the positions of the
DEFENSIVE WORKS,
 also the

**Junction of the Potomac & Shenandoah Rivers, and their
 Passage through the Blue Ridge.**

Surveyed from August 3^d to Sept. 30th 1863
 UNDER THE DIRECTION OF
CAPT. N. MICHLER, CORPS OF ENGINEERS U.S. ARMY

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Scale 4 inches to a mile.

Note
 The figures indicate the heights in feet of the several points above the level of the canal at the polder-bridge.
 The horizontal curves indicate distances of 20 feet perpendicular height.



**TABLE
 OF DISTANCES**

Stone Fort to	
Fort Duncan	9858 ft.
North end of Bolivar heights	11829
Grave Yard near Bolivar	13602
56m Battery to	
Fort Duncan	8650
North end of Bolivar heights	9048
Grave Yard near Bolivar	10758
Highest point Loudoun heights	8810
Balders Schoolhouse on Hillborough Pike	10503
South end of Short Mountains (Wexerton)	12200
North end of Short Mountains	11062
Naval Battery to	
Fort Duncan	6851
North end of Bolivar heights	7521
Grave Yard near Bolivar	8727
Fort Duncan to	
Point on opposite bank of Potomac River	3714
Opposite Ridge along Lane A (North 67° W)	6865
House B on Charlestown Pike	13074
South end of Bolivar heights	11223
Grave Yard near Bolivar	7507

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