

**Justification for
Low-Head Dam Removal**

Gunpowder Creek – at Camp Michaels, Boone County, Kentucky

Camp Michaels: Encompasses approximately 630 acres owned by Dan Beard Council Boy Scouts of America through which Gunpowder Creek runs for 2.3 miles

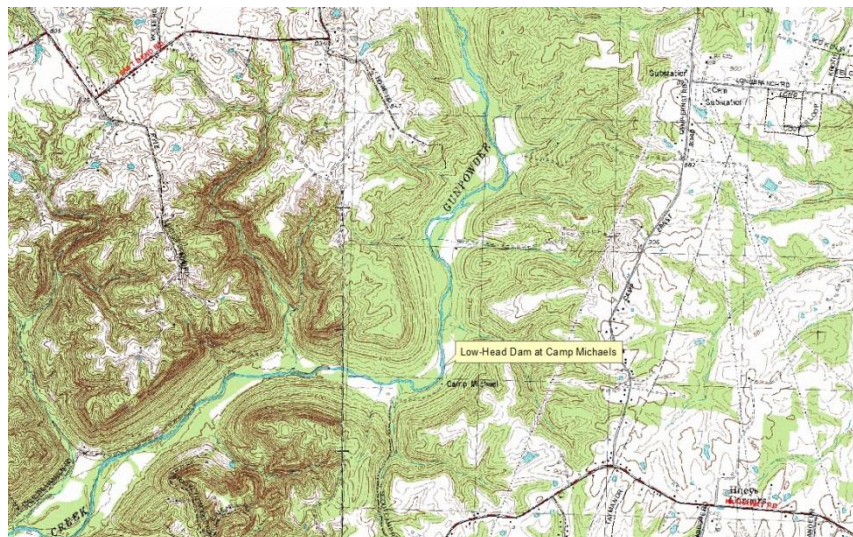
Location of low-head dam: On Boy Scout property at $84^{\circ}44'28.569''$ W $38^{\circ}57'21.076''$ N; 7.9 miles upstream from the mouth of Gunpowder Creek at the Ohio River

305(b) Assessment Status: Gunpowder Creek 0.0 to 15.0 – Warm Water Aquatic Habitat (WAH) = Nonsupport; all other uses not assessed

Brief History: According to management the dam was built in the 1940's or 50's when the property was known as Camp Powder Horn for the purpose of aquatic recreation and water supply. The Army Corps of Engineers has already attempted to repair the structure on two occasions. The structure is no longer functional and provides no benefit for the Boy Scout facility. Also, according to Boy Scout management, adjacent camp structures flood during high water events due to the proximity of the dam.

Immediate benefits of the low-head dam removal include:

- 1) Alleviate bank instability and erosion caused by a breach at one end of the dam
- 2) Allow easier fish passage and restore a more natural riffle/pool sequence that will benefit many aquatic organisms and improve diversity
- 3) Allow more natural flow regime and sediment transport
- 4) Decrease safety and liability issues for the land owner
- 5) Decrease possibility of flooding of adjacent structures and alleviate maintenance and repair costs for damage from the flooding





Contact for further information:

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