

Title: Delineation of Ohio River Flood Zones in Ballard County using Remote Sensing

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**Abstract:**

The purpose of this study was to use remote sensing to map flood zones in Ballard County as it correlates to the Ohio River flood gauges. This will help Wildlife managers to know which areas are most likely to be flooded by simply looking at river gauges and prevent them from having to check which areas are flooded in person. By using this technique wildlife managers will be able to save time and resources as well as better manage wildlife areas along the Ohio River.

Key words: Flood, River, Remote Sensing, Flood zone, River Gauge, Ohio River