



Chicago Metropolitan  
Agency for Planning

# Blackberry Creek Watershed – Critical Area Assessments

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CMAP

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# Fecal Coliform Critical Area Assessment

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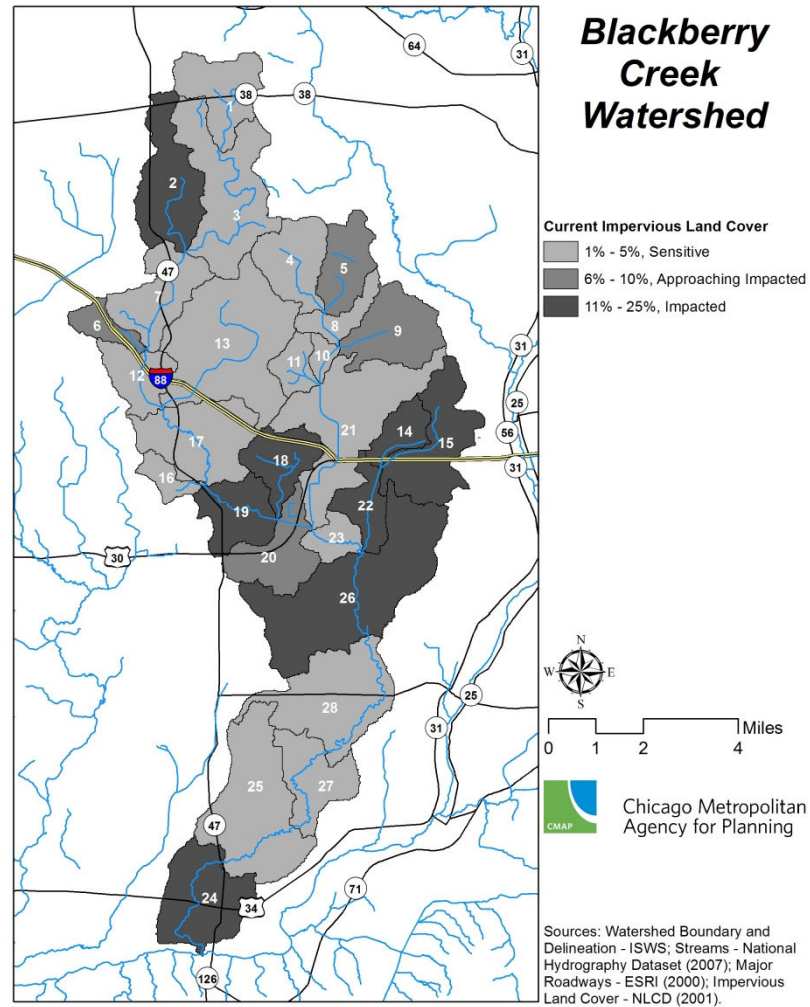
Urban Stormwater Runoff

Pet Waste

Septic System Failure

Agriculture/Livestock Runoff





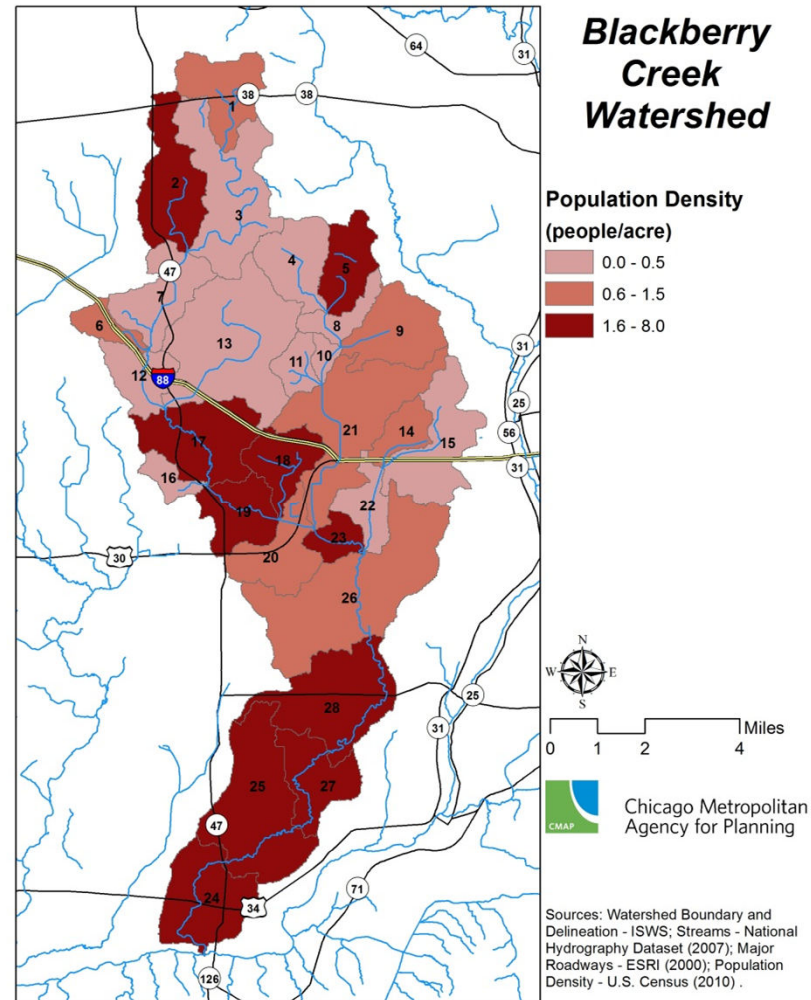
## **Current Impervious Land Cover**



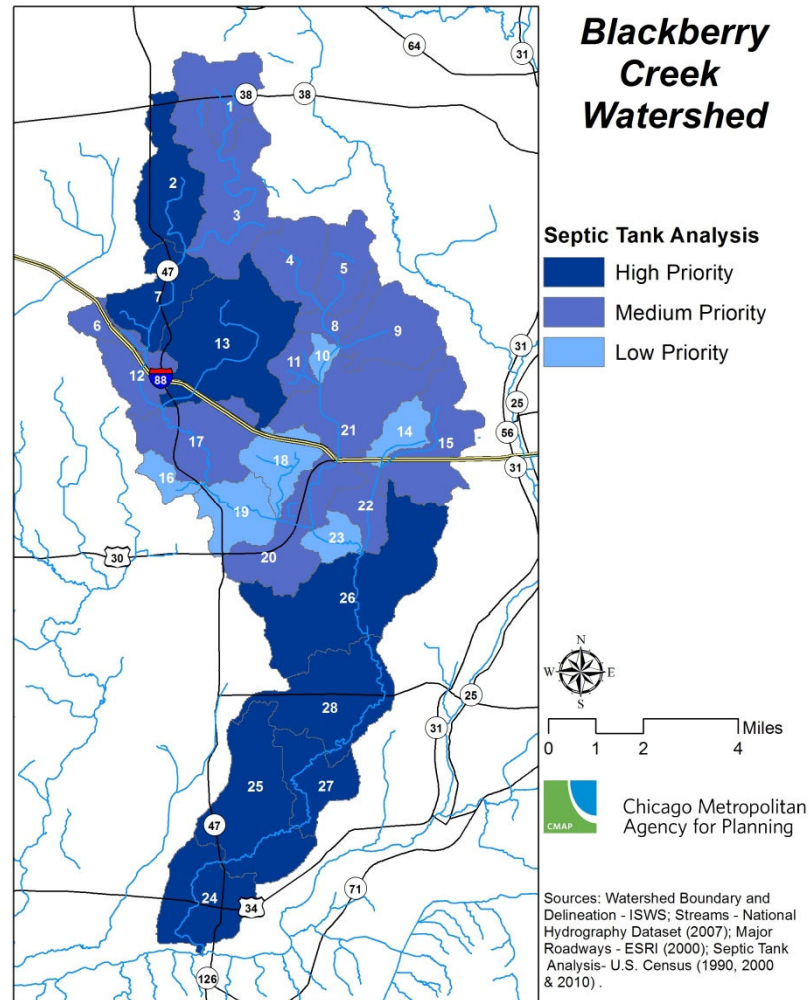
# Impervious Cover Model

<b>Sensitive Streams (2 to 10% IC) <sup>1</sup></b>
<ul style="list-style-type: none"><li>• Maintain or restore ecological structure, function and diversity so streams provide a “rural” benchmark to compare other stream categories against</li><li>• Specific stream quality indicators for sensitive streams should be compared to streams whose entire subwatersheds are fully protected (e.g. national parks).</li></ul>
<b>Impacted Subwatersheds (11 to 25% IC)</b>
<ul style="list-style-type: none"><li>• Consistently attain good stream quality indicator scores to ensure enough stream function to adequately protect downstream receiving waters from degradation.</li><li>• Function is defined in terms of flood storage, instream nutrient processing, biological corridors, stable stream channels and other factors.</li></ul>
<b>Non-Supporting Subwatersheds (26 to 59% IC)</b>
<ul style="list-style-type: none"><li>• Consistently attain fair to good stream quality indicator scores.</li><li>• Meet bacteria standards during dry weather and trash limits during wet weather</li><li>• Maintain existing stream corridor to allow for safe passage of fish and floodwaters</li></ul>
<b>Urban Drainage Subwatersheds (60 to 100% IC)</b>
<ul style="list-style-type: none"><li>• Maintain good water quality conditions in downstream receiving waters</li><li>• Consistently attain fair water quality scores during wet weather and good water scores during dry weather</li><li>• Provide clean “plumbing” in upland land uses such that discharges of sewage and toxics do not occur</li></ul>
<p><sup>1</sup> the specific ranges of IC that define each management category should always be derived from local or regional monitoring data</p>

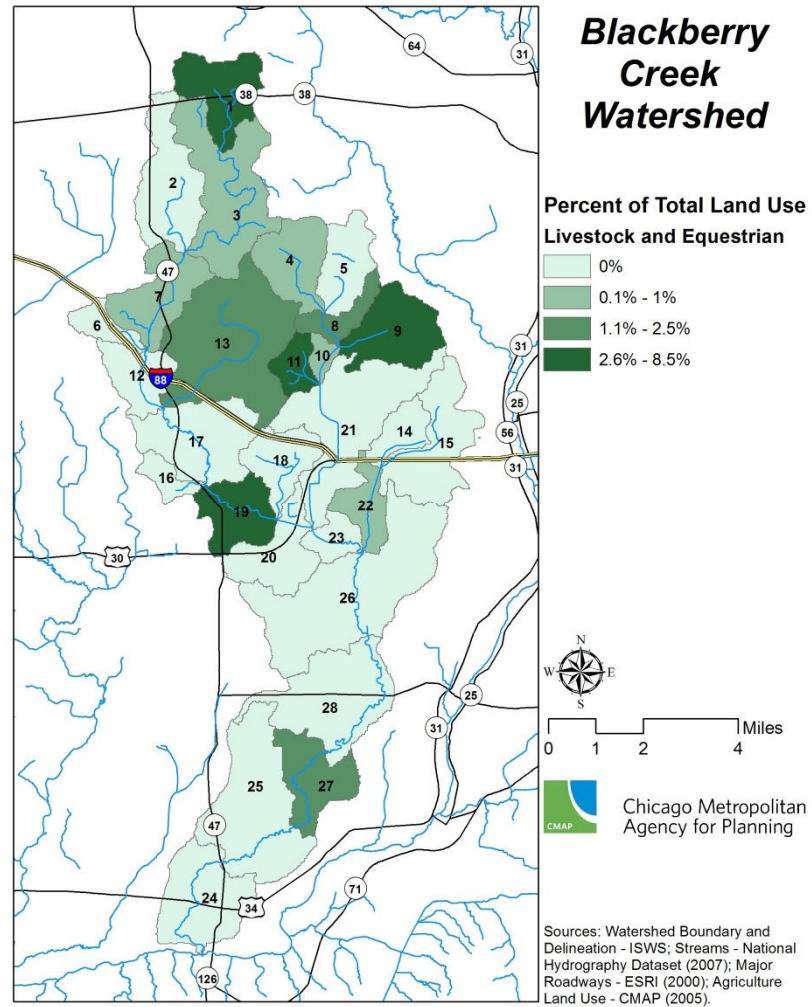
Source: CSN TECHNICAL BULLETIN No. 3, IMPLICATIONS OF THE IMPERVIOUS COVER MODEL: STREAM CLASSIFICATION, URBAN SUBWATERSHED MANAGEMENT AND PERMITTING



## Population Density & Pet Density



## Septic Tank Analysis



## **Livestock and Equestrian Land Use**

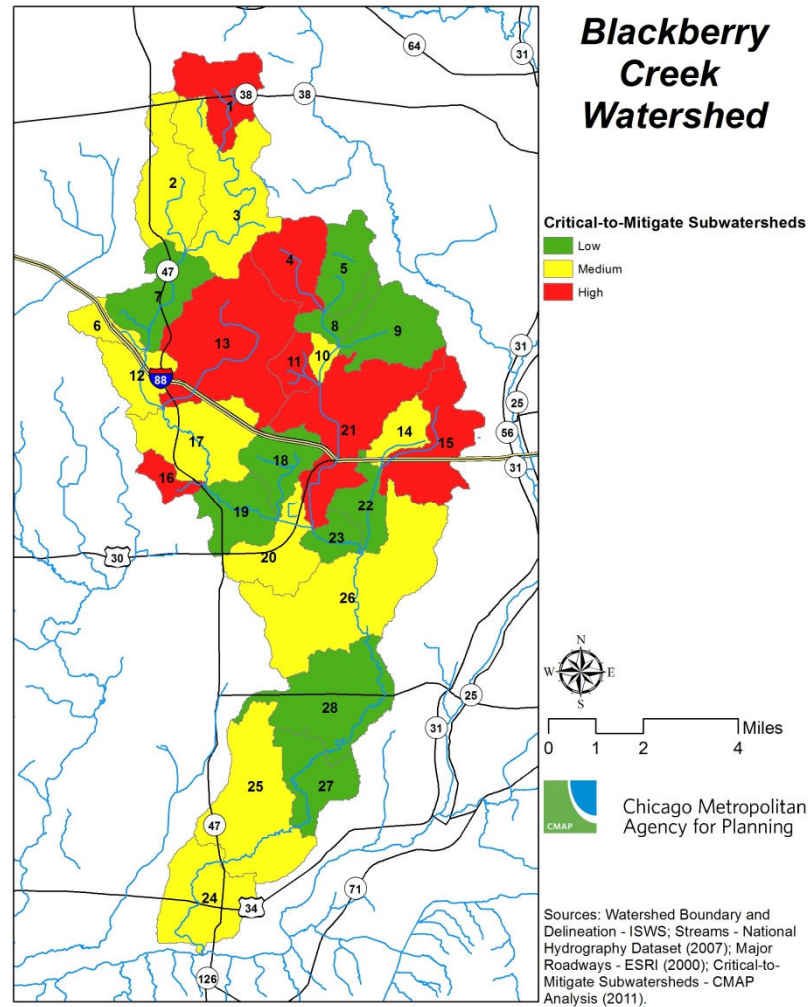


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# Critical-to-Mitigate Area Assessment

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## Draft Critical-to-Mitigate Subwatersheds

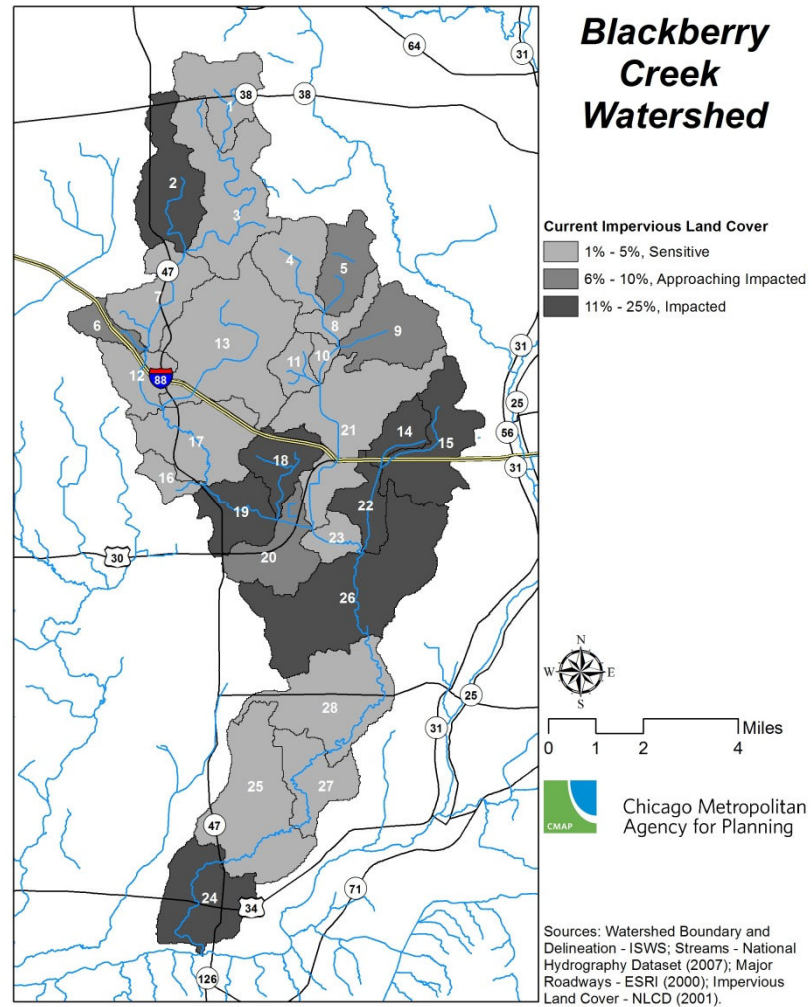


# Future Land Cover Assessment

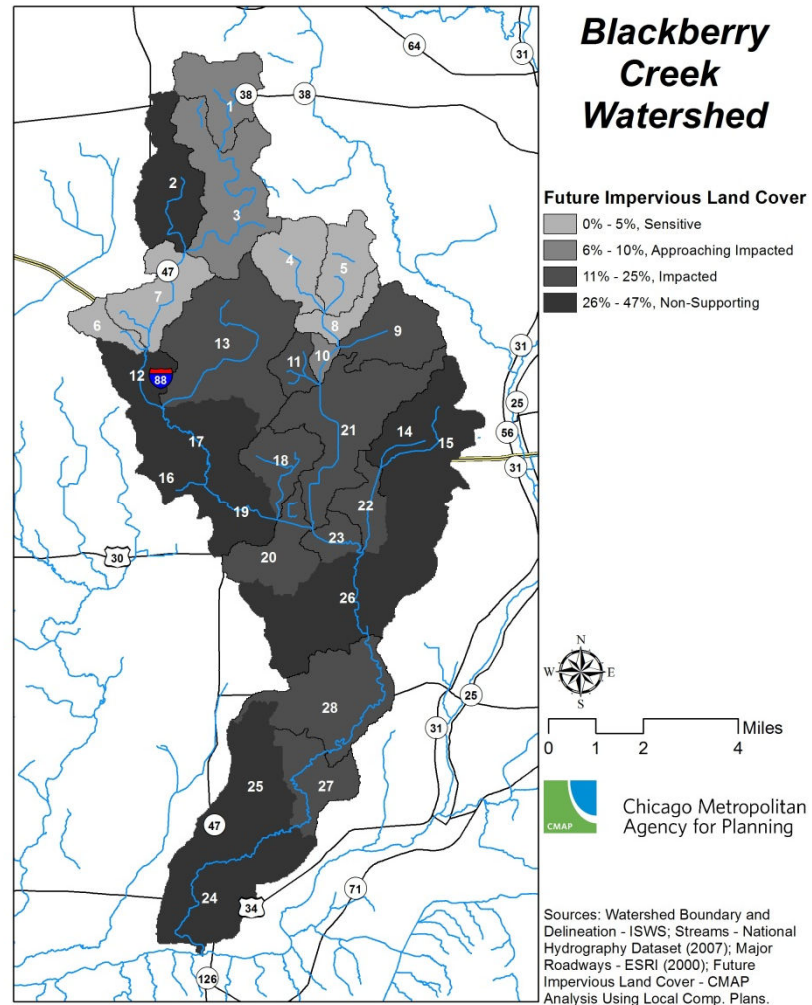
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Current Impervious Land Cover

Future Impervious Land Cover



## Current Impervious Land Cover



## Future Impervious Land Cover



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# Questions, Comments



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