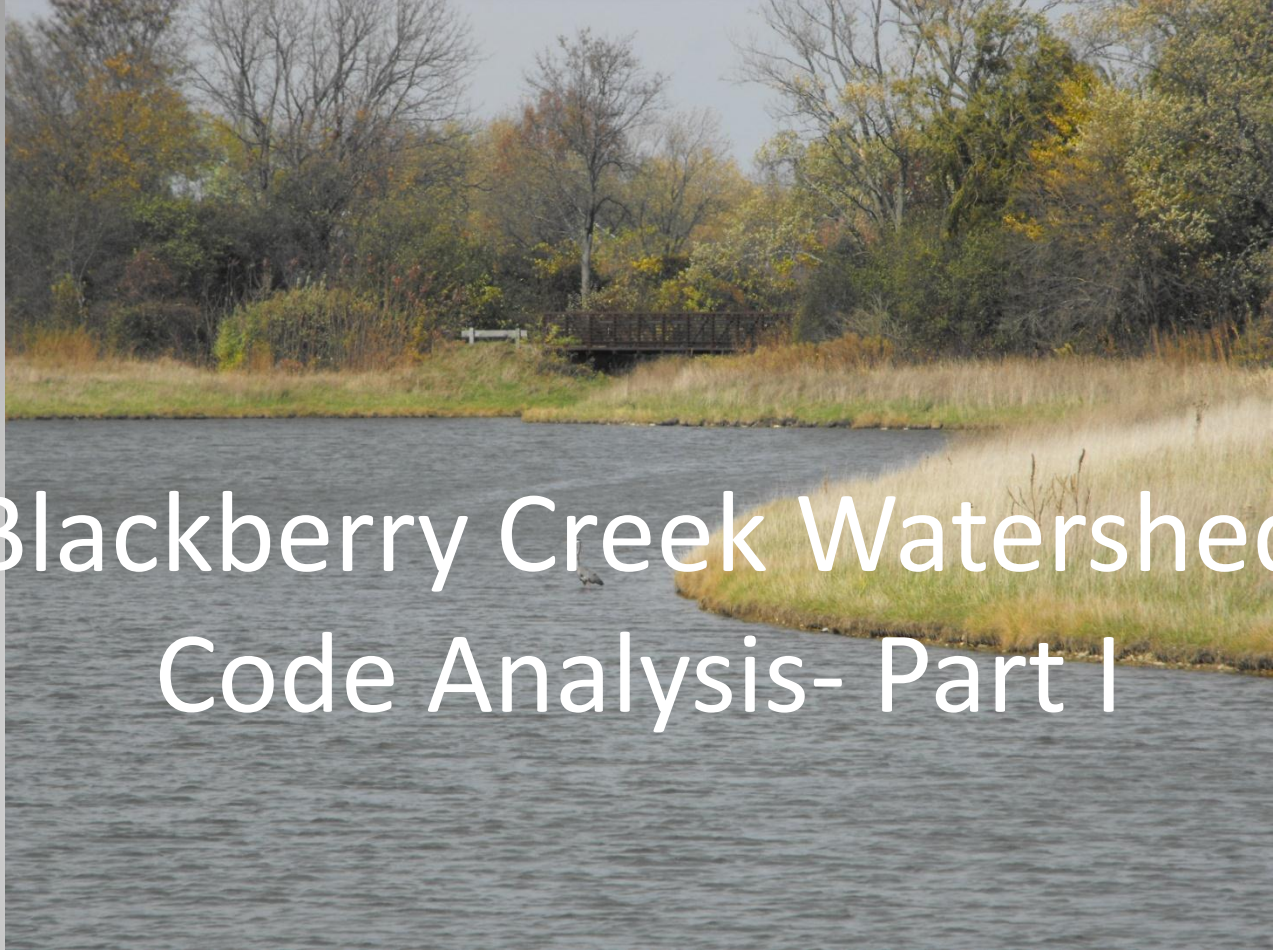




Blackberry Creek Watershed Code Analysis- Part I

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USEPA Water Quality Scorecard

Water quality management at various scales:

- Municipal- BBC Watershed level
- Neighborhood
- Site level



USEPA Water Quality Scorecard

1. Protect natural resources and open space
2. Promote efficient, compact development patterns and infill
3. Design complete, smart streets that reduce overall imperviousness
4. Encourage efficient provision of parking
5. Adopt green infrastructure stormwater management provisions

Relevant Documents

- Zoning ordinances: height limitations, setbacks
- Subdivision codes
- Street standards/road design guidelines
- Parking requirements
- Open space/natural resource plans
- Comprehensive plans

1. Protecting Natural Resources and Open Space

- Development policies, regulations & incentives to protect natural resources & habitat
- Protective tools e.g. no-development buffer zones around wetlands, riparian areas & floodplains
- Protection measures for source water protection thru land use controls & stewardship
- Others: adequate open space, urban forestry programs, street trees as part of road improvements

2. Promote Efficient, Compact Development Patterns and Infill

- Policy incentives to direct development to previously developed areas
- Direct growth to areas with existing infrastructure, e.g. sewer, water & roads
- Encourage mixed-use and transit-oriented developments



3. Design Complete, Smart Streets that Reduce Overall Imperviousness

- Street design & engineering standards encourage narrow neighborhood streets
- Encourage shared driveways, reduced widths, rear garages, etc. for single-family developments
- Integration of GI practices as a standard in construction, maintenance & improvements
- Promote use of pervious materials for paving

4. Encourage Efficient Provision of Parking

- Flexibility for alternative parking requirements, e.g. shared parking, off-site parking
- Allow use of alternative measures e.g. transportation demand management or fee-in-lieu to reduce parking requirements
- Requirements for landscaping to minimize stormwater run-off



5. Adopt Green Infrastructure Stormwater Management Provisions

- GI practices legally encouraged and preferred for managing stormwater run-off
- Stormwater management plan reviews take place early in development review process
- Plumbing codes allow harvested rainwater use for exterior uses
- Provisions to meet stormwater requirements off-site, or fee-in-lieu when on-site alternatives are not feasible



Sample scoring: Protection of Water Bodies and Aquifers

Protection measures for source water protection thru land use controls & stewardship

Implementation Tools and Policies	Pts. Avail.	Pts. Recvd.	Notes
Adopt Plans/Educate			
Local land use plans identify aquifer recharge/source water ars. and recommend protective measures			
Adopt Incentives			
Protection of critical water source areas qualifies for additional credit towards local space requirements			
Enact Regulations			
Adopt well-head protection regulations/zones to prevent incompatible development & uses			

Alternative Futures- Code Analysis

- Zoning and Subdivision Ordinances
- Kane & Kendall Counties
- Aurora, Batavia, Elburn, Montgomery, North Aurora, Sugar Grove Yorkville
- Recommendations:
 - Alternative Stormwater
 - Environmental Standards
 - Landscape Standards
 - Parking Requirements
 - Transportation Requirements
 - Zoning/Subdivision

Snapshot of Codes and Recommended Code Revisions Table

City of Aurora Codes and Ordinances Model Language Recommendations Blackberry Creek Watershed Zoning Code Analysis & Ordinance Language Recommendations Project					
No.	Code/Standard Categories	Local Code References	Current Standard	Recommended Standard/Action	Source
1	Alternative detention/infiltration allowances	Subdivision Art. V	N/A	Native and perennial gardens are required/allowed where the landscape strip within public rights-of-way and public easements is used for bioretention/infiltration of stormwater	12:41
19	Parking lot landscape requirements-landscape islands	Subdivision Sec. 43-99	N/A	Continuous 10' wide planting strips shall be provided between each parking bay. The strips may be used for bioretention	16:28
77	Planned Unit Development Allowances	Zoning Sec. 14	N/A	Develop mixed-use PUD ordinance that requires conservation-oriented mixed use development with specific design guidelines and standards	CDF

Questions

- Which ordinances/codes have been modified/amended since 2004?
- Did modifications include recommended language?
- If not, why not?
- Other questions??

Questions/Comments/Suggestions?

Thank you

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