

System-Wide Options:

Considering the three creeks as a system, there are a number of system-wide options that present themselves:

1. Leave the systems as they are;
2. Establish naturally vegetated riparian buffers in all areas where none currently exist;
3. Protect and enhance existing buffers;
4. Remove the on-line ponds;
5. Remove or modify culverts that are barriers to upstream fish migration;
6. Conduct site-specific remediation strategies for immediate problem areas.

East Creek Options:

- E1. Rehabilitate the lower section (previously channelized) of the creek from the start of the Regional Road #24 alteration to the Speed River
- E2. Rehabilitate the entire lower section downstream of Beavertown Road (including establishing a formal riparian buffer downstream of Beavertown Road within the residential property)
- E3. Modify stream so that waterfall is no longer migration barrier
- E4. Rehabilitate the section downstream of Maple Grove Road adjacent to the sod farm operation
- E5. Buffer the headwater areas upstream of Maple Grove Road from development

Middle Creek Options:

- M1. Rehabilitate the section of creek upstream of Hunt Club Road to the on-line pond (previously gabion lined)
- M2. Remove on-line ponds
- M3. Conduct site-specific treatments upstream of the on-line pond in the straight section between the path and Briardean Road (including removal of the culvert beneath the path and reestablishing a meandering pattern to the creek upstream)
- M4. Reestablish a natural pattern to the creek along the Maple Grove Road channelization
- M5. Rehabilitate and properly size the channel upstream of Maple Grove Road to the headwaters area

West Creek Options:

- W1. Rehabilitate the lower portion of the creek in Riverside Park
- W2. Remove the dam and drop structure at Royal Oak Drive
- W3. Develop and implement a monitoring programme for the reaches upstream of Royal Oak Drive to assess ongoing channel adjustments to loss of upstream catchment area

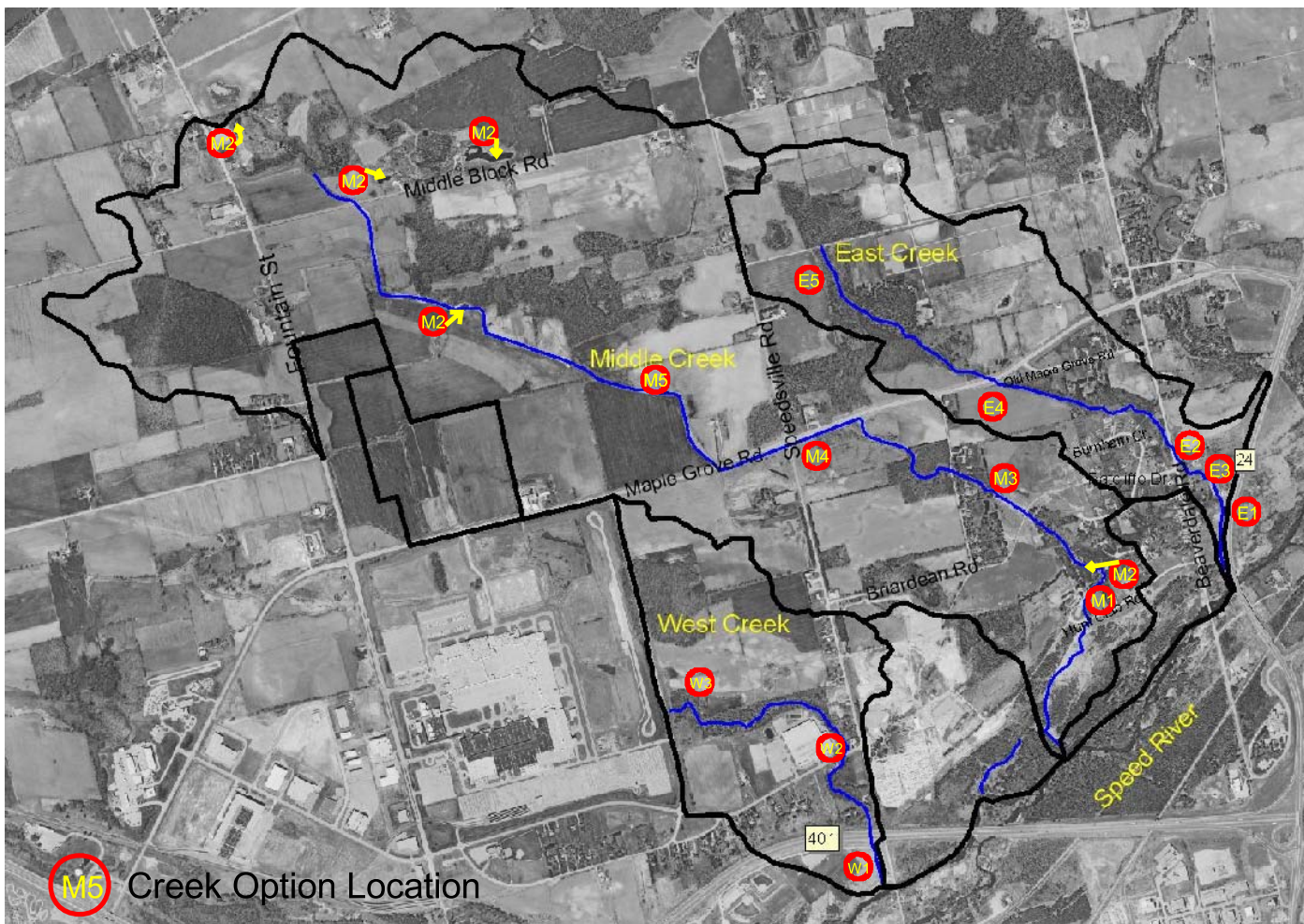
Preferred Management Alternatives (ranked)

System Wide

1. System Wide Option 3
2. System Wide Option 2 and 6
3. System Wide Option 5
4. System Wide Option 4

Creek Based

1. East option 1
2. East option 2
3. West option 3
4. Middle option 3
5. East option 3
6. East option 4
7. Middle option 1
8. West option 1
9. East option 5
10. Middle option 5
11. Middle option 4
12. West option 2
13. Middle option 2



Hespeler West Subwatersheds Study

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Aquatic Rehabilitation Strategy

Scale : NTS

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Figure: C3.1.3