



AUDUBON NATURALIST SOCIETY

| CRITERION REQUESTED BY SAVE TEN MILE CREEK COALITION | Status of this Criterion as of 3/19/14 in the TMC-LMPA (main source: 2/28/14 council staff memo) |
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| 1) Master Plan language to establish that "The Primary Objective of this LMPA is Water Quality Protection." (Source: Potomac Subregion Master Plan). | Unknown. |
| 2) The Ten Mile Creek watershed-wide imperviousness target shall be 6% for the Effective Drainage Area for the Ten Mile Creek mainstem at the Ford at West Old Baltimore Road (= 2818 acres). (Basis: Goetz et al., 2003). | Cumulative imperviousness estimate of 6.7% for the watershed area draining to LSTM 304. (the area draining to the mainstem at the Ford.) Overlay zones to cap imperviousness at 6% for west of I-270 and 15% for the area east of I-270. Minimum open space requirement of 80%. |
| 3) Buffers to protect perennial, intermittent, ephemeral streams, seeps, springs and wetlands shall be a minimum of 300 feet in order to protect key species, remove nutrients and sediment, and prevent runoff. (Sources: State of New Jersey, others.) Sensitive water resource protection including for seeps, springs, ephemeral and intermittent streams requires accurate and full delineation which requires Springtime delineation after the soil thaws and before tree leaf-out. | 200-foot buffers on both sides of perennial and intermittent streams and seeps and springs. 50-foot buffers for wetlands and ephemeral streams. Interagency staff group exploring "Guidance on the delineation and mapping of sensitive environmental features that are present seasonally." |
| 4) Forest cover required for Ten Mile Creek's entire watershed shall be 65% (Ten Mile Creek is now at 46% forest cover). (Source: Booth, 2000.) | Unknown. Staff have said in a meeting that they believe reforestation requirements will bring Ten Mile Creek to ~50% average watershed-wide forest cover. |
| 5) Forest cover to be required at 100% for all stream and water resource buffers, via reforestation and forest maintenance actions | Staff note that this is current policy but its full enforcement is unclear. 1992 Clarksburg study by MNCPPC stated "Only a portion (60 to 65 percent) of the area designated as buffers is currently treed." Current buffer forest cover status unknown. |
| 6) Significant trees (of 24" diameter and greater) impacted by disturbance shall be mitigated via replantings and | Unknown. |



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| <p>other required measures; all replantings shall be maintained with a 100% survivability after five years.</p> | |
| <p>7) Stormwater – Non-erosional stormwater conveyance, via Regenerative Stormwater Conveyances adapted to Ten Mile Creek’s unique conditions, shall be required.</p> | <p>July, 2013 Planning Staff Environmental Analysis p.10: <i>“Design stream outfalls to reduce impacts associated with large flows (e.g. implement step pool conveyances at all outfalls.)”</i> Interagency staff group now exploring options to reduce erosion at storm drain outfalls. Based on a 2/28 mtg with staff, DPS may recommend partial use of RSCs along with pipes.</p> |
| <p>8) Stormwater – only Environmental Site Design (ESD) stormwater management measures shall be allowed in Ten Mile Creek for all developments, redevelopments, and stormwater retrofits.</p> | <p>Unknown. This requested stormwater mitigation criterion is more stringent than the MDE stormwater regulations, which allow “ESD to the MEP” for storm and runoff levels greater than the first one-inch of each storm.</p> |
| <p>9) Stormwater- volume capture requirements - The runoff from the two-year, 24-hour storm shall be retained solely via ESD devices; such devices shall be located on-site and not in forested buffers. (= 3.2 inches of runoff)</p> | <p>Unknown with respect to the requested 2-year storm retention criterion. See above re: existing MDE rules.</p> <p>Interagency staff group to “Determine whether/how it may be necessary to limit stormwater management practices in riparian areas and other sensitive areas.”</p> |
| <p>10) Bedrock blasting activities shall be avoided in forested buffers, areas of fragile geology and aquifer recharge zones.</p> | <p>Unknown.</p> |
| <p>11) Steep slopes of equal to or greater than 10% shall be protected through prohibition of disturbance on them.</p> | <p>All slopes of 15% or greater to be included in the “environmental buffer”</p> |
| <p>12) Soils shall be protected via prohibiting disturbance in areas of highly erodible soils; and requirements for mitigation of disturbed soils, through decompaction and organic soil amendments.</p> | <p>All erodible soils “with an erodibility factor of 8 or greater as identified by NRCS to be included in the “environmental buffer.” This is not highly protective as it apparently excludes the vast majority of soils and areas within Ten Mile Creek.</p> <p>Interagency staff group considering requiring “remediation of compacted soils through soil decompaction and soil amendments.”</p> |