

Description of Surface	Rational Runoff Coefficients, C
Unimproved Areas	0.35
Asphalt	0.95
Concrete	0.95
Brick	0.85
Roofs, inclined	1.00
Roofs, flat	0.90
Lawns, sandy soil, flat (<2%)	0.10
Lawns, sandy soil, average (2-7%)	0.15
Lawns, sandy soil, steep (>7%)	0.20
Lawns, heavy soil, flat (<2%)	0.15
Lawns, heavy soil, average (2-5%)	0.20
Lawns, heavy soil, steep (>7%)	0.30
Wooded areas	0.15

**Use your State’s specific runoff coefficients, if available.**

If none are available in the State’s stormwater manual, use the table above or compute manually using the form at;

M:\Engineering\_Software\Cadd\_resource\_v8i\Standard\_Shts\ESC\_Narrative\ESC\_Computing Runoff Coefficients.docx

**Area Calculations**

For Maryland, the disturbed (site) area is all of the area contained within the Limits of Disturbance (LOD). The LOD includes all of the work where the ground is being disturbed. Mill/overlay or just overlay is not disturbance and should be excluded from the LOD. MD defined disturbance as any activity by which the surface is removed or altered, making the soil susceptible to erosion. Anything that touches the base material below the asphalt is considered disturbance.

Impervious Area Requiring Treatment (IART): Impervious area is any surface that does not allow stormwater to infiltrate (asphalt, concrete and gravel surfaces). Requiring Treatment means treated to satisfy stormwater management requirements. IART=impervious area within the LOD.