Retention Requirements for Sites Under 25 acres

Minnesota Drainage outflow with modified 100 year retention requirements of + 0.2% per acre of drainage basin

Q=120*A.55*1.2

Total Acres	Percent Impervious	V - 10 yr Cubic ft Retention	V - 100 yr Cubic ft Retention	Allowable Realease Rate(10)	Allowable Release Rate (100)

Notes:

At 25 acres the methods are roughly equivalent, both in retention requirements and the allowable discharges

At 160 acres (with a C-factor of 0.6), this method provides for approximately 20 Acre-feet of storage

If sites exceed a C-factor of 0.6, they would be required to provide on-site retention on all sites whether regional retention facilities are provided or not

Place your information in the boxes with the yellow background.

Calculate

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