DHSVM Model 3.1 Test Site Introduction

Objectives:

This document will be served as the supplementary material for a brief introduction to the test site used in the DHSVM 3.1 tutorial.

Test Site:

DHSVM is updated and revised on a frequent basis. To make sure that the model works well in different environments after modification, we provide the test site where all the input files are well prepared for model test runs. To fulfill the testing purpose, the fairly urbanized site, Springbrook Creek located in south-west King County, Washington, USA, is chosen as the test site for DHSVM 3.1. In order to demonstrate how to implement the urban module in DHSVM 3.1, we added two urban land use types in the configuration file, *Dense Urban (>75%)* and *Light/medium Urban (<75%)* , under [VEGETATION] section.

The table below shows the physical environments of this basin:

Physical conditions	*Springbrook Creek*
Location	47°27'N, 122°19'W - Orillia, Washington, USA
Climate	Marine-time climate
Area	21.9 km^2
Soil depth	shallow