

Unit 21 Physical Hydrometeorology

1. Graduate students: For a 315 km² watershed determine the unit hydrograph when the observed hydrograph was 100, 100, 300, 700, 1000, 800, 600, 400, 300, 200, 100, and 100 m³/s at time t=0h, ..., 11h, respectively. Modified after Jorge A. Ramírez 2018.
2. All students: Use the Rational Method Runoff calculator at <https://www.lmnoeng.com/Hydrology/rational.php> and compute the peak discharge from the drainage basin and conditions given in the first example in Box 10.11. Discuss how peak discharge changes with land cover type.