

| Model characteristic | Blue River | Indiantown Run |
|--|--|---|
| USGS station; US hydrologic unit | 07332500; 11140102 | 01572950; 02050305 |
| Area (km ²); impervious | 3031; 8.05 % | 14.78; 0.83 % |
| Elevation range; average slope | 158–403 m; 3.5 % | 153–412 m; 14.5 % |
| Land cover | 43 % grassland, 28 % forest, 21 % pasture/hay | 74.6 % deciduous forest |
| Soil type | Clay loam (26.4 %), clay (24.8 %), sandy loam (20.26 %) | Silt loam (51 %), sandy loam (49 %) |
| Average streamflow (90 % range) | 9.06 m ³ s ⁻¹ (0.59–44.71 m ³ s ⁻¹) | 0.3 m ³ s ⁻¹ (0.035–0.793 m ³ s ⁻¹) |
| Average precipitation; average ET | 1086; 748 mm yr ⁻¹ | 1176; 528 mm yr ⁻¹ |
| Average temperature (90 % range) | 17.26 °C (2.5–31 °C) | 10.9 °C (–3.5–24 °C) |
| Model cells; stream segments; <i>d</i> | 20; 14; 812 | 1472; 21; 33 455 |
| Resolution | 0.125°; daily | 100 m; hourly |
| Calibration | 167 parameters; 85 months; objectives: NSE _{ℓ₂} , NSE _{ℓ₁} , MARE | 18 parameters; 20 months; objectives: NSE _{ℓ₂} , MARE, absolute bias |