



Legend

- streams
- Containing watershed
- Watershed feeding lakes

This map depicts the watershed that contains the Springdale Estates neighborhood east of Leesville road. Within the watershed is a sub basin containing the lakes. This contained watershed is highlighted.

USGS defines a watershed as "an area of land that drains all the streams and rainfall to a common outlet such as the outflow of a reservoir, mouth of a bay, or any point along a stream channel". Two outflows were used to delineate the watersheds. The larger watershed used the confluence at Hare Snipe Creek. The second uses the dam.

Surficial flows to the dam are fully contained within the delineated lake watershed. Flows outside this watershed go elsewhere. Assuming no topological changes have been made at the boundary to expand the watershed since the data were collected, all runoff into the lakes comes from this area.

Watershed analysis used North Carolina Risk Management Office's digital elevation model, downloaded 28 October 2020. DEM from QL2 LiDAR (2 points per meter squared; RMSE 6 ≤ cm vertical precision). <https://sdd.nc.gov/DataDownload.aspx>

Streets from Wake County GIS, October 2020 version. <http://www.wakegov.com/gis/services/pages/data.aspx>

Watershed analysis: GRASS 7.8.4

GIS software: QGIS 3.16.0-Hannover

Map produced 18 November 2020 by Mark Connolly