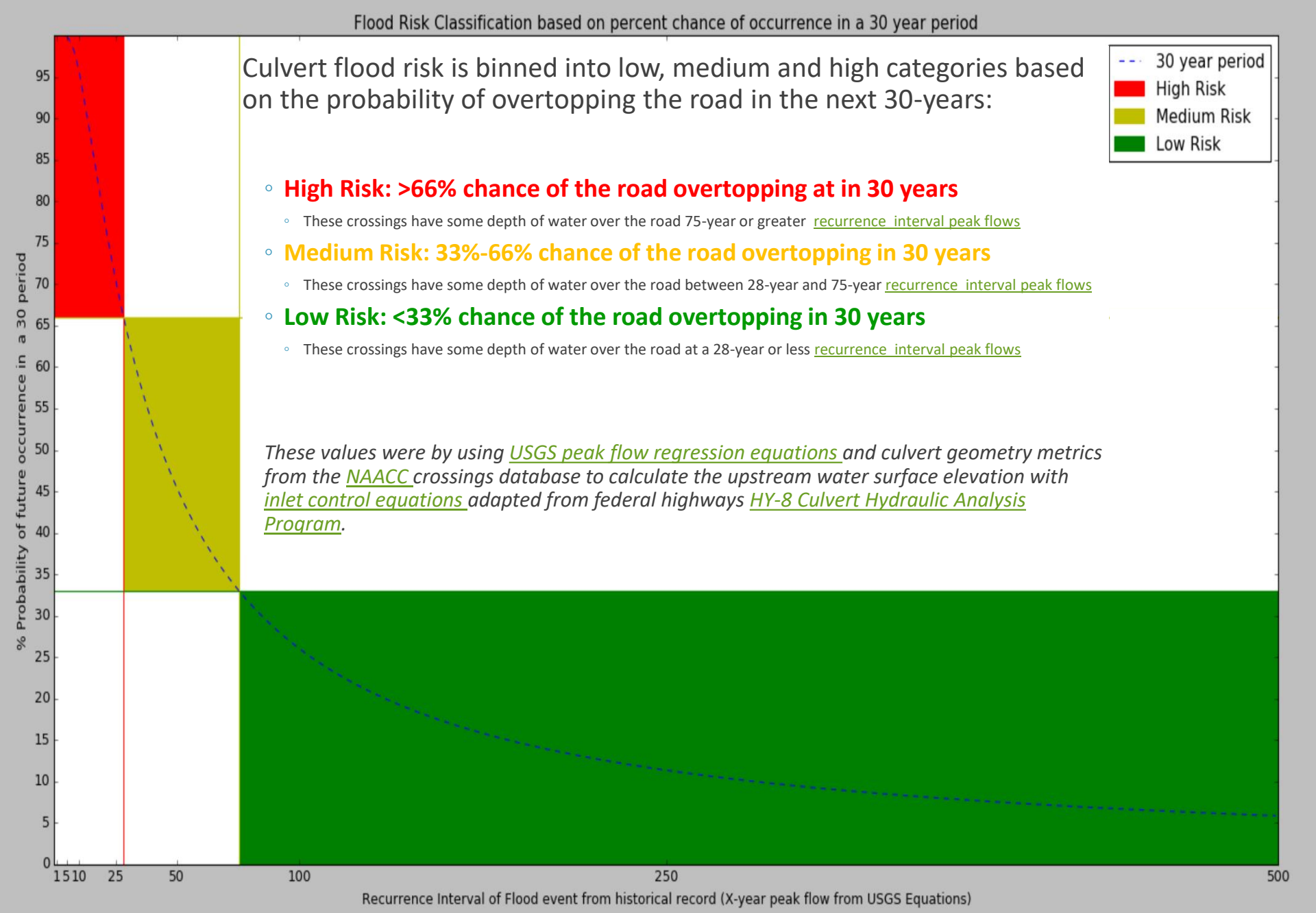

Culvert flood risk is binned into low, medium and high categories based on the probability of overtopping the road in the next 30-years:

- **High Risk: >66% chance of the road overtopping at in 30 years**
  - These crossings have some depth of water over the road 75-year or greater recurrence interval peak flows
- **Medium Risk: 33%-66% chance of the road overtopping in 30 years**
  - These crossings have some depth of water over the road between 28-year and 75-year recurrence interval peak flows
- **Low Risk: <33% chance of the road overtopping in 30 years**
  - These crossings have some depth of water over the road at a 28-year or less recurrence interval peak flows

These values were by using USGS peak flow regression equations and culvert geometry metrics from the NAACC crossings database to calculate the upstream water surface elevation with inlet control equations adapted from federal highways HY-8 Culvert Hydraulic Analysis Program.

The Nature Conservancy