

Passability

- Category: Network
- A numerical score from 0-1 that indicates how passable a barrier is likely to be, where 0=complete barrier and 1=fully passable. All dams are considered complete barriers, unless there is known fish passage facilities at a dam. Dams with fish passage were reviewed by J. Royte and E. Martin from The Nature Conservancy and assigned a pass-ability score based on the efficacy of passage at the dam. Pass-ability for road-stream crossings is first assigned based on Maine's crossing assessment protocol which splits crossings into barriers, potential barriers, and no barrier. Barriers were assigned a value of 0 and no barriers were assigned a value of 1.
- Potential barriers were further refined based on Froude number which is a proxy for the relationship between velocity and depth that can be utilized as a screening metric to identify crossings that have a high probability of being velocity barrier to fish passage. Pass-ability score of 0.66 correlates directly to a Froude number of 1, so only potential barriers with a score of < 0.66 were prioritized in the final result.
- This metric is used in the generation of other metrics. It is not available for prioritizations.
- See [FishPassageCoarseScreenForMaineCulverts.pdf](#) for more information on this analysis
- Unit: Index
- GIS Field Name: Passability