

**Idaho Forestry Best Management Practices
Forms and Tables: Culvert sizing table - I**

CULVERT SIZING TABLE – I USE FOR NORTH IDAHO AND THE SALMON RIVER DRAINAGE This culvert sizing table will be used for the area of the state north of the Salmon River and within the South Fork Salmon River drainage. It was developed to carry the fifty (50) year peak flow at a headwater-to-diameter ratio of one (1).		
Watershed area (acres)	Required Culvert Diameter (inches)	Culvert Capacity (cubic foot/sec)
less than 32	18	6
33-74	24	12
75-141	30	20
142-240	36	32
241-366	42	46
367-546	48	65
547-787	54	89
788-1027	60	112
Strongly consider having culverts larger than sixty (60) inches designed, or consider alternative structures, such as bridges, mitered culverts, arches, etc.		
1028-1354	66	142
1355-1736	72	176
1737-2731	84	260
2732-4111	96	370
4112-5830	108	500
5831-8256	120	675
Culverts larger than one hundred and twenty (120) inches must be designed; consider alternative structures.		

FROM: Barkley et al., 2015. *Idaho Forestry Best Management Practices Field Guide: Using BMPs to Protect Water Quality*. Bulletin 891, University of Idaho Extension, Moscow, ID.