

Idaho Forestry Best Management Practices Field Guide

Forms and Tables: Culvert sizing table - II

CULVERT SIZING TABLE – II			
USE FOR SOUTH IDAHO			
This culvert table will be used for the area of the state south of the Salmon River and outside 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 72	18#	6	
73-150	24	12	
151-270	30	20	
271-460	36	32	
461-720	42	46	
721-1025	48	65	
1026-1450	54	89	
1451-1870	60	112	
Strongly consider having culverts larger than sixty (60) inches designed, or consider alternative structures, such as bridges, mitered culverts, arches, etc.			
1871-2415	66	142	
2416-3355	72	176	
3356-5335	84	260	
5336-7410	96	370	
7411-9565	108	500	
9566-11780	120	675	

Culverts larger than 120 inches must be designed; consider alternative structures.

See exemption for southeast Idaho in Subsection 040.02.ii of this rule.