



Shoreland Impervious Surface Calculator

Aitkin County has regulations that limit the amount of impervious surface that can be placed on a property. The regulations vary depending on the zoning classification. In Shoreland zoning, 25% of a parcel may be covered by impervious surface. However, only 15% of that 25% can be used for building coverage (this includes buildings or structures). Please use the tables below to calculate the impervious surface on your parcel(s).

	Area of Parcel	Acres	X	Square feet per acre	=	Total Square Footage of Parcel
1a)	Total area of the parcel		x		=	0

OR

Fill out this section to calculate the square footage of your parcel(s). If you know the square footage, go to 1b.

	Total Area of Parcel in Square Feet	113,849.30
1b)		

	Table 1: Existing Lot Dimensions	Fill out this Section and include only EXISTING surfaces			
	Building Coverage Structures (Dwelling, garage, shed, deck)	*Needs to be <= 15% in Shoreland			
		Length (ft)	X	Width (ft)	= Total Square Footage
	House	55	x	64	= 3520
	Green Shed	14	x	12	= 168
			x		= 0
			x		= 0
			x		= 0
			x		= 0
			x		= 0
2b)	Total Building Coverage (Sum structures and enter them to the right)				= 3688
2c)	Building Coverage Percentage (Existing Building Coverage/Parcel square footage)				= 3.24%

	Other Impervious Surfaces (Sidewalks, patios, driveways, etc)	*Needs to be <= 25% in Shoreland			
	Driveway		x		= 9931.35
			x		= 0
			x		= 0
			x		= 0
			x		= 0
	Septic System (Check septic design for number of designed bedrooms)	(# of Bedrooms)	x	190 sq ft	= 191
2d)	Total Existing Impervious Surface Coverage (include Building Coverage (2b))				= 13810.35
2e)	Existing Impervious % (Total Existing Impervious/Parcel Square Footage * 100)				= 12.13%

(2c / 1b)

Table 2: Proposed Lot Dimensions		Fill out this Section and include only PROPOSED surfaces			
Building Coverage Proposed Structures (Dwelling, garage, shed, deck)		*Needs to be <= 15% in Shoreland			
		Length (ft)	x	Width (ft)	= Total Square Footage
Ag Building		48	x	80	= 3840
			x		= 0
			x		= 0
			x		= 0
			x		= 0
			x		= 0
Total Building Coverage (Sum proposed structures and enter them to the right)					= 3840
Building Coverage Percentage (Proposed Building Coverage/Parcel square footage)					= 3.37%
Proposed Other Impervious Surfaces (Sidewalks, patios, driveways, etc)		*Needs to be <= 25% in Shoreland			
			x		= 0
			x		= 0
			x		= 0
			x		= 0
			x		= 0
Septic System (Check septic design for number of designed bedrooms)		(# of Bedrooms)	x	190 sq ft	= 0
Total Proposed Building Coverage %					= 6.61%
Total Proposed Impervious Surface Coverage (include Building Coverage)					= 17650.35
Proposed TOTAL Impervious % ((Total Proposed Impervious + Total Existing Impervious)/Parcel Square Footage * 100)					= 15.50%

$$(3c + 2c / 1b * 100)$$