

**IMPERVIOUS SURFACE AREA CALCULATION-OCONTO CO. SHORELAND PROTECTION ORDINANCE** REV.9-21

Impervious surface area calculations are required per Section 26.900 of the Oconto County Shoreland Protection Ordinance. The impervious surface standards apply to the construction, reconstruction, expansion, replacement or relocation of **ANY** impervious surface that is located within 300 feet of the ordinary highwater mark of any navigable lake, pond, flowage or waterway. An impervious surface is an area that releases, as runoff, all or a majority of the precipitation that falls on it. Under the County's Shoreland Ordinance, an **IMPERVIOUS SURFACE (AREA)** includes all of the following:

- All Buildings/Structures (homes/garages/sheds/etc.)
- Patios constructed with pavers/stone/concrete/blacktop/etc.
- Driveways, Sidewalks, Walkways and Stairways constructed with wood/stone/pavers/gravel/concrete/blacktop/etc. including private road surfaces not specifically listed in the Shoreland Ordinance and any other surface/material that is determined by the Zoning Administrator to be impervious. An impervious surface (area) excludes grassed and/or other vegetated areas, frozen soil, public road surfaces and certain private roads or other surfaces as determined by the Zoning Administrator.
- Compacted Parking Areas
- Decks and Porches (covered and uncovered)

To complete this worksheet you will need to provide the dimensions and area calculations for **ALL** impervious surfaces (see description below) on your lot that are located (or to be located) within 300 feet of the ordinary highwater mark (edge of the water) of a navigable lake, pond, flowage or waterway. If additional space is required, please attach separate sheet(s) with the applicable dimensions and area calculations shown.

Property Address: \_\_\_\_\_ Parcel # \_\_\_\_\_

- 1 Is your property a waterfront lot? (*Waterfront means directly abutting/adjacent to a lake, river or other navigable waterway/waterbody*)  
 **NO**, go to line 1a.       **YES**, go to line 2.  
 1a. Is your **\*non- riparian or non-waterfront lot** located entirely within 300 ft of a lake, river, or other navigable waterbody?  
 **NO**, go to line 38.       **YES**, go to line 2.

- 2 Will any part of your proposed construction (impervious surface) project be located within 300 feet of the water?  
 **NO**, go to line 38.       **YES**, go to line 3.

- 3 Is your property a vacant, undeveloped lot (*i.e., no existing impervious surfaces present*)?  
 **NO**, go to line 4.       **YES**, enter "0" (zero) on line 15, then go to line 17.

4 Complete **Table 1: PreConstruction (Existing) Shoreland Impervious Surface Area** (lines 5 thru 15) calculations below.

**TABLE 1 PRE-CONSTRUCTION (EXISTING) SHORELAND IMPERVIOUS SURFACE AREA**

- Calculate **ONLY** for the impervious surface areas of your property that are located "*Within the Shoreland*" of your lot.  
**NOTE: The "Shoreland" area of your property encompasses all of the land area from the water's edge to a point 300 feet landward.**
- **DO NOT** include impervious surface areas that are located "*Outside of the Shoreland*" (*i.e., More than 300 feet from the water*).
- **\*Non Riparian Lots-** A non-waterfront lot where the parcel boundary extends past 300 ft from the water is not subject to impervious surface standards.

Existing Structure or Surface	Width (ft.)	x	Length (ft.)	=	Area (sq. ft.)
5 House..... (or other principal structure)...		x		=	5a
.....		x		=	5b
.....		x		=	5c
.....		x		=	5d
6 Deck.....		x		=	6a
.....		x		=	6b
7 Patio (area).....		x		=	7a
.....		x		=	7b
8 Porch.....		x		=	8a
.....		x		=	8b
9 Garage.....		x		=	9a
.....		x		=	9b
10 Shed.....		x		=	10a
.....		x		=	10b
.....		x		=	10c
11 Sidewalk/Stairway (area).....		x		=	11a
.....		x		=	11b
12 Driveway (area).....		x		=	12a
.....		x		=	12b
13 Compacted parking area.....		x		=	13a
.....		x		=	13b
14 Other.....		x		=	14a
.....		x		=	14b

15 Add lines 5 thru 14. This is your **PreConstruction** (Existing) Impervious Surface Area.....>>> 15

16 **Required PreConstruction Site Plan:** Attach, to this worksheet, a site plan of your property (either dimensioned or drawn to scale) showing the preconstruction impervious surface areas listed in Table 1 above. Label this set of plans **PreConstruction** Impervious Surface Area.

17 Complete Table 2: PostConstruction (New & Existing) Shoreland Impervious Surface Area (lines 18 thru 28) calculations below.

**TABLE 2**  
**POST CONSTRUCTION (EXISTING + NEW (-) REMOVED) SHORELAND IMPERVIOUS SURFACE AREA**

- Calculate **ONLY** for the impervious surface areas of your property that are located *“Within the Shoreland”* of your lot.  
**NOTE:** The *“Shoreland”* area of your property encompasses **all** of the **land area** from the water’s edge to a point 300 feet landward.
- **DO NOT** include impervious surface areas that are located *“Outside of the Shoreland”* (i.e., **More than 300 feet from the water**).
- For a totally new structure or surface (e.g., house, deck, patio, etc.) or for an addition to an existing structure or surface, you must enter/calculate the new width, length and area values for that particular structure/surface or addition in their applicable columns below.
- **DO NOT** include structures/surfaces or portions of structures/surfaces that will be removed from the property once proposed project is completed.

Post Construction: (Existing + New - Removed) Structure or Surface	Width (ft.)	x	Length (ft.)	=	Area (sq. ft.)	
18 House..... (or other principal structure)...		x		=		18a
		x		=		18b
		x		=		18c
		x		=		18d
		x		=		18e
19 Deck.....		x		=		19a
		x		=		19b
		x		=		19c
		x		=		19d
20 Patio (area).....		x		=		20a
		x		=		20b
		x		=		20c
21 Porch.....		x		=		21a
		x		=		21b
		x		=		21c
22 Garage.....		x		=		22a
		x		=		22b
		x		=		22c
23 Shed.....		x		=		23a
		x		=		23b
		x		=		23c
		x		=		23d
		x		=		23e
24 Sidewalk/Stairway (area).....		x		=		24a
		x		=		24b
		x		=		24c
25 Driveway (area).....		x		=		25a
		x		=		25b
		x		=		25c
26 Compacted parking area.....		x		=		26a
		x		=		26b
		x		=		26c
27 Other.....		x		=		27a
		x		=		27b
		x		=		27c
		x		=		27d

28 Add lines 18 thru 27. This is your **Post Construction** (New+ Existing - Removed) Impervious Surface Area >>> 28

29 **Required PostConstruction Site Plan:** Attach, to this worksheet, a site plan of your property (either dimensioned or drawn to scale) showing the postconstruction impervious surface areas listed in Table 2 above. Label this set of plans **PostConstruction** Impervious Surface Area.

30 Compare line 28 to line 15.  
If Line 28 is less than or equal to line 15, go to line 35.  
If line 28 is greater than line 15, go to line 31.

31	Enter the acreage of your property, excluding land within a public road right-of-way (Must be in acres) Call the Zoning Dept. if you need assistance determining lot size.		31
32	Multiply line 31 by 43,560. This is your lot size in square feet.....		32
33	Multiply line 28 by 100.....		33
34	Divide line 33 by line 32. This is your <b>PERCENT IMPERIOUS SURFACE</b> ⇔ ⇔ ⇔		% 34

- LINE 34 IS LESS THAN OR EQUAL TO 15 % Go to line 35.
- LINE 34 IS GREATER THAN 15% BUT LESS THAN OR EQUAL TO 30% Go to line 36.
- LINE 34 IS GREATER THAN 30% (HIGHLY DEVELOPED AREAS GREATER THAN 40% SEE SEC. 26.903)  
Go to line 37.

Round to nearest whole number

35 Your proposed project **complies** with the imperious surface standards of the Oconto County Shoreland Protection Ordinance.  
Go to line 38.

36 Your County Shoreland Land Use Permit cannot be issued by this department **Until** the property owner develops, submits, agrees to and records a County-approved **Mitigation Plan** that meets the standards set forth in Section 26.1300 of the Oconto County Shoreland Protection Ordinance **or** provide documentation that the proposed development impervious surfaces are to be treated by devices that will not increase the impervious surfaces existing on the parcel in compliance with Section 26.905 of the Oconto County Shoreland Protection Ordinance.

**REVIEW THE OCONTO COUNTY SHORELAND MITIGATION GUIDEBOOK FOR RECOMMENDATIONS.**

Go to line 38.

37 Unfortunately, your project exceeds the maximum amount (percent) of impervious surface allowed by the Oconto County Shoreland Protection Ordinance and thus your Shoreland Land Use Permit **Cannot Be Issued** by this department as proposed.

Please contact our office to discuss your options regarding this matter [See office contact information below].

Go to line 38.

38 Sign and date this form and submit this form along with your Shoreland Land Use Permit application (and any other applicable worksheet[s]) to the Oconto County Planning & Zoning Department for review and approval.

Person completing this form (Print) _____	Daytime Phone (_____) _____ - _____
Signature of person completing this form _____	Date _____

**NOTE: THIS FORM/WORKSHEET IS SUBJECT TO REVIEW AND APPROVAL BY THE OCONTO COUNTY PLANNING & ZONING DEPARTMENT.**

**OFFICE CONTACT INFORMATION**

OCONTO COUNTY PLANNING & ZONING DEPARTMENT  
301 WASHINGTON STREET  
OCONTO, WI 54153  
WEBSITE: WWW.CO.OCONTO.WI.US  
EMAIL: LWR@CO.OCONTO.WI.US  
PHONE: (920) 834-6827 (MONDAY-FRIDAY 8:00AM TO 4:00PM)  
FAX: (920) 834-6821