

WORKSHEET NO. 1 - IMPERVIOUS SURFACE AREA CALCULATION

These impervious surface area calculations are required per Section 9.0 of the County Shoreland Ordinance. The County impervious surface standards apply to the construction, reconstruction, expansion, replacement or relocation of **ANY** impervious surface on a riparian lot or parcel and any non-riparian lot or parcel that is located entirely 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.
- Compacted Parking Areas
- Decks and Porches (covered and uncovered)

plus private road surfaces not specifically listed in the Shoreland Ordinance and any other surface/material that is determined by the County Land Use 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 that are specifically listed as exempted in the Ordinance.

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.

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- 1 Is any part of your property located within 300 feet of the "water" (i.e., a lake, river or other navigable waterway/waterbody)?
 NO, go to line 43. **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 43. **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.
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- 4 Complete **Table 1: PreConstruction (Existing) Shoreland Impervious Surface Area** (lines 5 thru 15) calculations below.

TABLE 1					
PRECONSTRUCTION (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**).

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**.

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

**TABLE 2
POSTCONSTRUCTION (NEW & 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**).
- 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

New & Existing Structure or Surface	Width (ft.)	x	Length (ft.)	=	Area (sq. ft.)
18 House.....		x		=	18a
(or other principal structure)...		x		=	18b
.....		x		=	18c
.....		x		=	18d
.....		x		=	18e
.....		x		=	18f
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 **PostConstruction** (New & Existing) 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.

⇒ ⇒ ⇒ **PROCEED TO PAGE 3** ⇒ ⇒ ⇒

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30 Compare line 28 to line 15.
 If Line 28 is less than or equal to line 15, go to line 40.
 If line 28 is greater than line 15, go to line 31.

31 Enter the acreage of your property (If you unsure of the acreage of your property, please contact the Land Resources and Parks Department for assistance.)		31	
32 Area of your property (in square feet) Multiply line 31 by 43,560.		32	
33 Multiply line 28 by 100		33	
34 Divide line 33 by line 32. This is your PERCENT IMPERVIOUS SURFACE ⇨ ⇨ ⇨			34

Round to nearest whole number

Go to line 35

35. Is your lot located within an area designated as a highly developed shoreline? **(If you are unsure if your lot is located within an area designated as a highly developed shoreline, please contact the Land Resources and Parks Department for assistance.)**

- Yes – go to line 36
- No – go to line 39
- Don't know – Contact the Land Resources and Parks Department for assistance (920) 386-3700

36. If the use of the property is for residential use, go to line 37.
 If the use of the property is for commercial or industrial use, go to line 38.

37. LINE 34 IS LESS THAN OR EQUAL TO 30% - Go to line 40.
 LINE 34 IS GREATER THAN 30% BUT LESS THAN OR EQUAL TO 40% - Go to line 41.
 LINE 34 IS GREATER THAN 40% - Go to line 42.

38. LINE 34 IS LESS THAN OR EQUAL TO 40% - Go to line 40.
 LINE 34 IS GREATER THAN 40% BUT LESS THAN OR EQUAL TO 60% - Go to line 41.
 LINE 34 IS GREATER THAN 60% - Go to line 42.

39. LINE 34 IS LESS THAN OR EQUAL TO 15% - Go to line 40.
 LINE 34 IS GREATER THAN 15% BUT LESS THAN OR EQUAL TO 30% - Go to line 41.
 LINE 34 IS GREATER THAN 30% - Go to line 42.

40. Your proposed project complies with the impervious surface standards of the Dodge County Shoreland Ordinance – Go to line 43

41 Your County 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 13.0 of the Dodge County Shoreland Ordinance. **You also need to submit/complete Worksheet No. 2 (Mitigation Options Calculation) to this office for departmental review and approval.**

Go to line 43

42. Unfortunately, your project exceeds the maximum amount (percent) of impervious surface area allowed by the Dodge County Shoreland Ordinance and thus your 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 43

43. Sign and date this form and submit this form along with your Land Use Permit application (and any other applicable worksheet to the Dodge County Land Resources and Parks 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 DODGE COUNTY LAND RESOURCES AND PARKS DEPARTMENT.

DODGE COUNTY LAND RESOURCES AND PARKS DEPARTMENT, 127 EAST OAK STREET, JUNEAU, WI 53039-1329

WEBSITE: WWW.CO.DODGE.WI.US

EMAIL: LANDRESOURCES@CO.DODGE.WI.US

PHONE: (920) 386-3700 (MONDAY-FRIDAY 8:00AM TO 4:30PM)