

Landowner / Parcel #: \_\_\_\_\_

Date: \_\_\_\_\_

### Lot Impervious Surface Coverage & Landscaping for Stormwater Worksheet

Please use the table below to calculate your impervious surface coverage. Impervious coverage is limited to 25% of the total lot area. Calculate out all that apply to your situation. If a structure has odd dimensions or if using to size stormwater basins, multiple rows / sheets may be needed. If total imp. of irregular structure or driveway is known, just multiply by 1.

| <u>Existing Structures</u>   | <u>Length (ft)</u> |   | <u>Width (ft)</u> |                                  | <u>Total (in sq. feet)</u> |                |
|--|--------------------|---|-------------------|----------------------------------|----------------------------|----------------|
| House, garage, shed<br>Boathouse<br>Greenhouse<br>Other (Dog Kennel, etc.)   | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
| <b><i>Driveways* &amp; Landscaping:</i></b>  |                    |   |                   |                                  |                            |                |
| Driveway*, Parking Area, Apron,<br>Boat Ramp, Sidewalk,<br>Patio, Paving Stones,<br>Landscaping (incl. plastic), Other | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
| <b>Total Existing Impervious</b>   |                    |   |                   |                                  | <b>(sq ft)</b>             |                |
| <b><u>Proposed Structures</u></b>  |                    |   |                   |                                  |                            |                |
| House, garage, shed<br>Boathouse<br>Greenhouse<br>Other (Dog Kennel, etc.)   | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
| <b><i>Driveways* &amp; Landscaping:</i></b> <i>*Assumes a 12' wide driveway unless evidence to the contrary</i>        |                    |   |                   |                                  |                            |                |
| Driveway*, Parking Area, Apron,<br>Boat Ramp, Sidewalk,<br>Patio, Paving Stones<br>Landscaping (incl. plastic), Other  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
|  | (ft)               | X | (ft)              | =                                | (sq ft)                    |                |
| <b>Total Proposed Impervious</b>   |                    |   |                   |                                  | <b>(sq ft)</b>             |                |
| <b>Total Lot Area (sq. ft.) =</b>  |                    |   |                   | <b>Total existing Impervious</b> | <b>=</b>                   | <b>(sq ft)</b> |
|  |                    |   |                   | <b>Total w/new Impervious</b>    | <b>=</b>                   | <b>(sq ft)</b> |
|  |                    |   |                   | <b>% existing impervious</b>     | <b>=</b>                   | <b>%</b>       |
|  |                    |   |                   | <b>% w/new impervious</b>        | <b>=</b>                   | <b>%</b>       |

#### Simple Calculator for Approximating Size of Stormwater Practice & Amount of Phosphorus Reduction:

| Total w/ new impervious:   |               |   | Storage volume:            |       | Bottom size (sq ft) of infiltration area by depth |           |   |           |             |              |
|--|---------------|---|----------------------------|-------|---|-----------|---|-----------|-------------|--------------|
|  |               |   | Gal / Cu ft (= gal / 7.48) |       | 3"  | 6"        | 9"  | 12"       | 15"         | 18"          |
| x  | 0.623 / 0.083 | = | Gal                        | Cu ft | cu ft x 4   | cu ft x 2 | cu ft x 1.33                                  | cu ft x 1 | cu ft x 0.8 | cu ft x 0.67 |
| Total exst imp   | =             | x | 0.0000366                  | =     | <b>Existing phosphorous loading (lbs/yr)</b>      |           |   |           |             |              |
| Tot w/new imp  | =             | x | 0.0000366                  | =     | <b>Phosphorous reduction w/ stormwater mgmt</b>   |           |   |           |             |              |
| <b>For rain barrels, use this formula to determine size/amount needed:</b> |               |   | Roof area (sq ft)          | x     | 0.5625  | =         | <b>Gallons generated from a 1" rain event</b> |           |             |              |