

Water Quality Impact Assessment Worksheet

Table 1 Site Data

| | Area (SF) | Percentage of Lot |
|--------------------------------|-----------|-------------------|
| Total | | |
| Resource Protection Area (RPA) | | |
| 50-foot landward RPA | | |
| 50-foot seaward RPA | | |
| Resource Management Area (RMA) | | |

Resource Protection Area = 50-foot landward + 50-foot seaward

SF = Square-Footage

Table 2 Breakdown of Impervious Areas

| | Area (SF) | 50-foot Landward Area | 50-foot Seaward Area | Percentage of Lot |
|----------------------------------|-----------|-----------------------|----------------------|-------------------|
| Existing Dwelling* | | | | |
| Existing Deck* | | | | |
| Existing Outbuilding(s)* | | | | |
| Existing Driveway and Sidewalks* | | | | |
| Proposed Development | | | | |
| Temporary Disturbance | | | | |
| Total: | | | | |

*** = If Applicable**

This form serves as a Water Quality Impact Assessment and is meant to be edited and formatted to the individual CBPA Exception Application for which it is being submitted with. All impervious structures should be accounted for in table 2.

Table 3 Tree Canopy Calculations

| Canopy Required | | | | |
|--------------------------------|--------------------------------------|-----|-----|----------|
| | | | | Total SF |
| Resource Protection Area (RPA) | <u>Area SF from table 1</u> x 50% | | | |
| Resource Management Area (RMA) | <u>Area SF from table 1</u> x 20% | | | |
| Canopy Preserved | | | | |
| | MS | SCT | LCT | Total SF |
| Resource Protection Area (RPA) | | | | |
| Resource Management Area (RMA) | | | | |
| Canopy Provided | | | | |
| | MS | SCT | LCT | Total SF |
| Resource Protection Area (RPA) | | | | |
| Resource Management Area (RMA) | | | | |
| Canopy Removed | | | | |
| | MS | SCT | LCT | Total SF |
| Resource Protection Area (RPA) | | | | |
| Resource Management Area (RMA) | | | | |

Notes:

LCT (Large Canopy Tree) = 400 Square Feet

SCT (Small Canopy Tree) = 200 Square Feet

MS (Mulched Shrub) = 40 Square Feet

RMA canopy coverage for commercial or industrial sites = 10%

RMA canopy coverage for townhouse and multi-family sites = 15%

Intensely Developed Area (IDA) canopy coverage requirement = 20%

WQIA Requirements:

1. Encroachment necessity, can the project be located outside of the RPA buffer? (please explain)

2. Are any BMPs going to be installed to mitigate runoff? (please explain) -

3. Has this property undergone previous CBPA review? If yes, please provide the application number -
 - a. If yes, have all mitigation measures from previous CBPA application been addressed?

CBPA Ordinance Provisions:

1. Is the proposed activity water-dependent?
2. Is the disturbance of any wetlands minimized?
3. Will the proposed activity result in significant degradation of the hydrology of the site?
4. Will this development cause a significant degradation to vegetation or aquatic life?
5. Will the proposed stormwater management facilities (BMPs) adequately control the stormwater runoff to achieve the required performance standard for pollutant control?
6. Will the proposed re-vegetation of disturbed areas provide optimum erosion and sediment control benefits? If “yes” explain methods:
7. Will the cumulative impact of the proposed land disturbance, use, development, or redevelopment, when considered in relation to other development in the vicinity, both existing and proposed, result in a significant degradation of water quality?
8. What is the condition of the existing RPA and/or buffer (describe existing vegetation or structures within the buffer) -

9. Is vegetation replacement proposed to mitigate for the proposed encroachment? If “no” what is the proposed mitigation? -

Exception Justification - An exception cannot be granted unless specific findings are made. There are six (6) findings, according to Section 26-528 of the Chesapeake City Code. Please describe how the particular CBPA exception request would meet these six findings:

1. Is the proposed encroachment the minimum necessary to afford relief based on the lot size, layout and land area (square footage) outside of the RPA buffer? (please explain) -
2. Granting the exception will not confer upon the applicant any special privileges that are denied by this ordinance to other property owners who are subject to its provisions and who are similarly situated. (please explain) -
3. The exception request is in harmony with the purpose and intent of the CBPA ordinance and is not a substantial detriment to water quality. (please explain) -

4. **The exception request is not based upon conditions or circumstances that are self-created or self-imposed. (please explain) -**

5. **Reasonable and appropriate conditions are imposed, as warranted, to prevent the proposed activity from causing degradation of water quality. (please explain) -**

6. **Other findings and conditions, as appropriate and required by the CBPA Board, are met. (please explain) -**

SAMPLE