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| SUBJECT : | Correction to the Impaired Waters List 07010207-558, Unnamed creek (Seastade Creek) |
| DATE : | December 7th, 2015 |
|  |  |
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The 2009 assessment of AUID 07010207-558, Unnamed creek (Seastade Creek), was found to be impaired due to low dissolved oxygen. Dissolved oxygen data has a three year data set from one site (S001-580) with a 33.3% exceedance rate as shown in Table 1 Unnamed creek (Seastade Creek), went through natural background review and it was placed in subcategory 4D and no follow-up evaluation occurred. The water body was move to Category 5 for DO impairment based on high percentage of agricultural land use in the immediate watershed as impaired for dissolved oxygen. This AUID was evaluated again during the 2015 assessment process. Ten additional samples were collected in 2011 and 2012 and the AUID still showed dissolved oxygen exceedances (table 2).

During the 2015 assessment it was determined that aquatic life use methodology for stream assessment is not appropriate. AUID 07010207-558, Unnamed creek (Seastade Creek), is a short 0.25 mile long AUID and it is likely backed up by Mille Lacs lake, which could affect samples taken at S001-580.

As a result, it is recommended that a correction be made to the impaired waters list by removing the category 5 from AUID 07010207-558, Unnamed creek (Seastade Creek), and designating it as “not assessable” because aquatic life use methodology is not appropriate.

Figure 1. Site and Lake area.



Table 1. AUID 07010207-558. Previous Dissolved oxygen data

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| --- | --- | --- | --- | --- | --- |
| **Data period:** | 2004, 2007, and 2008 | **Obs** | **Exceed** | **% Exceed** | **Use support** |
| **Listing data:** | June 2004 to November 2008 | 24 | 8 | 33.3% | NS |
| **Stations:** |  | **Obs** | **Exceed** |  |  |
| S001-580 (2004, 2007, and 2008) |  | 24 | 8 | 33.3% |  |

Table 1. AUID 07010207-558. Current Dissolved oxygen data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data period:** | 2007, 2008, 2011, and 2012 | **Obs** | **Exceed** | **% Exceed** | **Use support** |
| **Listing data:** | April 2007 to October 2012 | 34 | 11 | 32.4% | NS |
| **Stations:** |  | **Obs** | **Exceed** |  |  |
| S001-580 (2007, 2008, 2011, and 2012) |  | 34 | 11 | 32.4% |  |