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| DATE : | October 10, 2014 |
| TO : | Carol Sinden, Miranda Nichols, and Douglas Hansen  Water Assessment Section  Environmental Analysis and Outcomes Division |
| FROM : | Pam Anderson  Water Quality Monitoring Unit  Surface Water Monitoring Section  Environmental Analysis and Outcomes Division |
| PHONE : | (651) 757-2190 |
| SUBJECT : | Request to remove Redwood Lake (64-0058-00) from the 303(d) Impaired Waters list |

Redwood Lake was listed in 2008 as impaired for lake eutrophication (aquatic recreation use). At the time of the original assessment, residence time was not considered during the assessment evaluation, but was noted in the review that residence time should be determined. During analysis conducted as part of an effluent limit review, it was determined that with a volume of 125 acre-feet the residence time of the basin is 8.9 days. In most circumstances waterbodies with assigned Lake IDs have sufficient residence time to be considered lakes as defined by State Rules (Minn.R. 7053.0255 Subp. 2. G.). Given that this value is well below the 14 day criteria used for lake determination, it is reasonable to conclude that Lake Redwood is not a reservoir, but rather, an impounded reach of the Redwood River. This conclusion is also consistent with the original assessment documentation. It is recommended that Redwood Lake be removed from the 2016 Impaired Waters List as a correction – the basin does not have sufficient residence time to meet the definition of a lake.