Impairment Determinations

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IA 06-WEM-00445-L_0	IA 06-WEM-00445-L_0	IA 06-WEM-00340-L_0	IA 06-WEM-00265-L_0	A 06-WEM-00265-L_0	IA 06-WEM-00265-L_0	IA 06-WEM-00235-L_0	Waterbody ID
Blue Lake (aka, Lewis And Clark Lake)	Blue Lake (aka, Lewis And Clark Lake)	Desoto Bend	Carter Lake	Carter Lake	Carter Lake	Lake Manawa	Waterbody Name
entire lake	entire lake	entire lake	entire lake	entire lake	entire lake	entire lake	Assessment Segment Description
2004	2004	2004	2004	2004	2004	2004	Cycle
primary	primary	primary	primary contact	primary	fish consumption	primary contact	Designated Use Impaired
al Ig ae	turbidity	turbidity	algae	indicator bacteria	PCBs	<u>al</u> (ga e	Cause / Designated Stressor for Use Impaired 2004 303(d) list
aesthetically objectionable conditions: chlorophyll-a TSI = 65	aesthetically objectionable conditions: Secchi	aesthetically objectionable conditions: Secchi TSI = 66 (chlorophyll-a TSI = 60)	aesthetically objectionable conditions: Secchi TSI = 78; chlorophyll ISU statewide a TSI = 77 lake survey	Geometric means of Nebraksa Dept. indicator bacteria > of Environment state WQ Standard. Quality	Nebraska issued fish consumption advisory	H.	
ISU statewide lake survey	ISU statewide lake survey	ISU statewide lake survey	ISU statewide lake survey	Nebraksa Dept. of Environmental Quality	Nebraska DEQ	ISU statewide lake survey	Data Source

Missouri Tributaries Basin - Hydrologic Units 10170101, 10230001 and 10230006

Title 117 - Nebraska Surface Water Quality Standards The Missouri Tributaries Basin includes 136 designated stream segments and 27 designated lakes. The waterbody assessment also included a lake that has not been identified in

assigned the Agriculture waters supply and aesthetics beneficial use. 2 segments have been assigned the public drinking water use and segment has been assigned the industrial segments have been assigned the Warmwater A aquatic life use and 118 segments have been assigned the Warmwater Class B aquatic life use. All of the segments have been impairment or the parameters identified as impaired are: fecal coliform (2), Dieldrin (4) and PCBs (4). water supply beneficial use. The waterbody assessments yielded 2 Category 2 waterbodies, 129 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the Streams - 4 segments within the Missouri Tributaries basin have been assigned the recreation beneficial use, 3 segments have been assigned the Coldwater B aquatic life use, 15

and aesthetics beneficial uses. One lake/reservoir is assigned the public drinking water and industrial beneficial uses. The waterbody assessment yielded 5 Category (3), nutrients (2), fecal coliform (1) and PCBs (1). waterbodies, 16 Category 3 waterbodies and 7 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: mercury (4), sediment Lakes/Reservoirs - All of the lakes/reservoirs in the Missouri Tributaries basin have been assigned primary contact recreation, Warmwater A aquatic life agriculture water supply

Changes (Delistings) from 2002 Section 303(d) list

been exceeded since September 2001. Based upon this the waterbody will be delisted generated from NPDES permitee self-monitoring. A review of the data submitted by the permitee on the discharge monitoring reports indicates the NPDES permit limits have not Undesignated Tributary to MT1-10000 - The segment was listed on the 2002 Section 303(d) list as impaired by excessive total residual chlorine with the supporting data being

whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the goals to water quality criteria. Assessment of the applicable data from Summit Lake to the goal indicates the waterbody is supporting the use. Based upon this the waterbody will Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these MT1-L0150 - Summit Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine

goals to water quality criteria. Assessment of the applicable data from Wehrspann Lake to the goal indicates the waterbody is supporting the use. Based upon this the parameter Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the MT1-L0030 - Wehrspann Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine will be delisted.

parameter will be delisted goals to water quality criteria Assessment of the applicable data from Glenn Cunningham Lake to the goal indicates the waterbody is supporting the use. Based upon this the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the MT1-L0120 - Glenn Cunningham Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to

TM	MT	TM	MT:	TM	TM	ITM	MTI	MTI	MTI	MT1	MT1	MTI	MT1	MT1	ITM	MT1	MT1	LLW	MT2	Wato
MT1-L0090	MT1-L0050	MT1-L0030	MT2-L0060	MT2-L0050	MT2-L0020	MT1-L0190	MT1-L0180	MT1-L0170	MT1-L0160	MT1-L0140	MT1-L0130	MT1-L0110	MT1-L0080	MT1-L0070	MT1-L0060	MT1-L0040	MT1-L0020	MT1-L0010	MT2-L0040	Waterbody ID
Carter Lake	Ed Zorinsky Lake	Wehrspann Lake	Plainview Country Club Lake	Crofton City Lake	Chalkrock Lake	Gateway Lake	Omadi Bend Lake	Middle Decatur Bend Lake	Mud Creek SCS Pond	Desoto Lake	Papio D-4 Lake	Miller Park Lake	Benson Park Lake	Fontenelle Park Lake	Hanscom Park Lake	Hitchcock Park Lake	Haworth Park Lake	Offutt Lake	Lewis And Clark Lake	Waterbody Name ¹
pared	S																		S	Primary Contact Recreation
-	—	I																		Aquatic Life Use
																			S	Public Drinking Water Supply Agriculture Water Supply
S	S	S										The state of the s								Agriculture Water Supply
																			S	Industrial Water Supply
I	S	s																		Aesthetics
S	5	5	3	w	3	3	3	3	3	3	3	3	ယ	3	3	3	3	3	2	Waterbody Assessment Category
PCBs, Fecal coliform, pH & Nutrients	Mercury	Mercury								Appropriate to the second seco										Parameter(s) Impairing use
Fish Tissue Advisory Issued	Advisory Issued	Fish Tissue Advisory Issued																		Comments

1. Title 117 - Nebraska Water Quality Standards may include a legal location or descriptive text within the waterbody name. Please refer to Title 117 for these details