IEPA ATTACHMENT NO. HH

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Mr. Toby Frevert
Illinois EPA - Bureau of Water
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

Dear Toby:

Please find attached a revision to Table 3 for the report entitled "Temperature Criteria Options for the Lower Des Plaines River" dated November 23, 2005 that we developed under a grant from EPA. We discovered some inaccuracies in the table based on recent discussions between Scott Twait and myself. The text discussion in the report and the appendices that show the results of the fish temperature derivation computations are correct, but the numbers for the Secondary Contact/Indigenous Species option in Table 3 is not – the enclosed revision brings Table 3 in line with the text and the appendices.

Please let me know if you have any questions.

Very truly yours,

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cc: Scott Twait, IEPA
Ed Hammer, Region V

Table 3. Fish temperature model outputs (°F[°C]) for fish species representative of a modified use (two versions) and the Secondary Contact/Indigenous Aquatic Life use for the Lower Des Plaines River. The long-term and short-term survival temperatures represent summer season (June 16 – September 15) average and maxima.

Thermal Category	Proportion of Representative Fish Species 100%	90%	75%	50%
Modified Use RAS 1 *(includes golden redhorse)*				
Optimum	71.2 (21.8)	75.4 (24.1)	81.3 (27.4)	82.6 (28.1)
Growth (MWAT)	77.5 (25.3)	81.0 (27.2)	85.8 (29.9)	86.7 (30.4)
Avoidance (UAT)	83.7 (28.7)	84.9 (29.4)	87.1 (30.6)	88.9 (31.6)
Survival (Long-term)	85.1 (29.5)	86.5 (30.3)	89.1 (31.7)	91.4 (33.0)
Survival (Short-term)	88.7 (31.5)	90.1 (32.3)	92.7 (33.7)	95.0 (35.0)
Modified Use RAS 2 *(excludes golden redhorse)*				
Optimum	71.2 (21.8)	75.0 (23.9)	81.5 (27.5)	82.8 (28.2)
Growth (MWAT)	77.5 (25.3)	80.6 (27.0)	85.8 (29.9)	86.9 (30.5)
Avoidance (UAT)	83.7 (28.7)	85.6 (29.8)	87.4 (30.8)	89.1 (31.7)
Survival (Long-term)	85.1 (29.5)	86.5 (30.3)	89.8 (32.1)	91.4 (33.0)
Survival (Short-term)	88.7 (31.5)	90.1 (32.3)	93.4 (34.1)	95.0 (35.0)
Secondary Contact/Indigenous Aquatic Life				
Optimum	81.5 (27.5)	81.7 (27.6)	81.9 (27.7)	82.1 (27.8)
Growth (MWAT)	84.5 (29.1)	85.3 (29.7)	86.0 (30.0)	86.5 (30.3)
Avoidance (UAT)	87.3 (30.7)	87.5(30.8)	88.3 (31.3)	88.9 (31.6)
Survival (Long-term)	86.7 (30.4)	88.7 (31.5)	90.3 (32.4)	91.2 (32.9)
Survival (Short-term)	90.3 (32.4)	92.2 (33.5)	93.9 (34.4)	94.8 (34.9)