To: Jeffery Robichaud[Robichaud.Jeffery@epa.gov]; Gary Welker[welker.gary@epa.gov]
From: DeLashmit, John
Sent: Mon 9/21/2015 12:11:17 PM
Subject: FW: regression calculations for Missouri nutrient criteria
regressions.MPJ
yearly_geomeans.xlsx
Ozark_Border.MTW
Ozark_Highland.MTW
Plains.MTW

FYI

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From: Osborn, Mark [mailto:mark.osborn@dnr.mo.gov]
Sent: Friday, September 18, 2015 11:54 AM
To: Angelo, Robert <angelo.bob@epa.gov>; DeLashmit, John <Delashmit.John@epa.gov>
Cc: Hoke, John <john.hoke@dnr.mo.gov>
Subject: regression calculations for Missouri nutrient criteria

The attached files have calculations that were used in deriving screening levels for TN and TP, with Chl-a as a response variable. The regressions are based on yearly geometric means for individual lakes. The regressions are transformed one time using iteratively weighted least squares, as described in Helsel and Hirsch, on page 283.

Please let me know if you have any questions.

Mark Osborn

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