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AJAE appendix for "Valuing Water Quality as a Function of Water Quality Measures"

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Table 1. Repeated Mixed Logit Model Parameter Estimates – Fixed[a]
(Robust Std. Errs. in Parentheses)

	Model D	
a. Household Characteristics		
Male	-14.10**	(2.73)
Age	0.79	(0.57)
Age^2	-0.0027	(0.0053)
School	1.97	(2.39)
Household	0.48	(0.61)
Price	-0.49**	(0.023)
b. Water Quality Attributes		
Secchi Transp. (m)	2.11**	(0.74)
Log (Chlor. (ug/l))	2.64**	(0.86)
Log (Nitrogen (mg/l))	-1.58	(1.68)
Log (Phosph. (ug/l))	-3.97**	(0.93)
Inorganic SS (mg/l)	-0.031	(0.031)
Volatile SS (mg/l)	-0.036	(0.077)
Log (Cyanobact. (mg/l))	-2.21**	(0.38)
Log (Total Phytop. (mg/l))	2.94**	(0.54)
NH3+NH4 (ug/l)	0.0015	(0.0041)
NO3+NO2 (mg/l)	-0.12	(0.44)
Silicon (mg/l)	0.25	(0.17)
pH	-97.06**	(32.23)
pH^2	5.68**	(1.86)
Alkalinity (mg/l)	0.048**	(0.015)
LogLik	-37,572	

[a]All of the parameters are scaled by 10. ** is used to denote significance at the 1% level. * is used to denote significance at the 5% level.

Table 2. Repeated Mixed Logit Model Parameter Estimates – Random Parameters[a]
(Robust Std. Errs. in Parentheses)

Variable	Model D All Normal	
	a. Parameter Means	
Log(Acres)	4.09**	(0.35)
Ramp	12.51**	(2.12)
Facilities	2.48	(1.84)
State Park	3.20**	(1.10)
Wake	2.64*	(1.24)
Fish Index	0.15**	(0.72)
α	-12.00**	(0.26)
	b. Parameter Dispersions[b]	
Log(Acres)	3.77**	(0.34)
Ramp	16.26**	(1.59)
Facilities	15.32**	(1.91)
State Park	12.83**	(1.25)
Wake	11.25**	(1.20)
Fish Index	6.12**	(1.49)
α	2.83**	(0.09)

[a]All of the parameters are scaled by 10, except α (which is unscaled). ** is used to denote significance at the 1% level. * is used to denote significance at the 5% level.
[b]The dispersion coefficients are the estimated standard deviations for the normally distributed parameters.