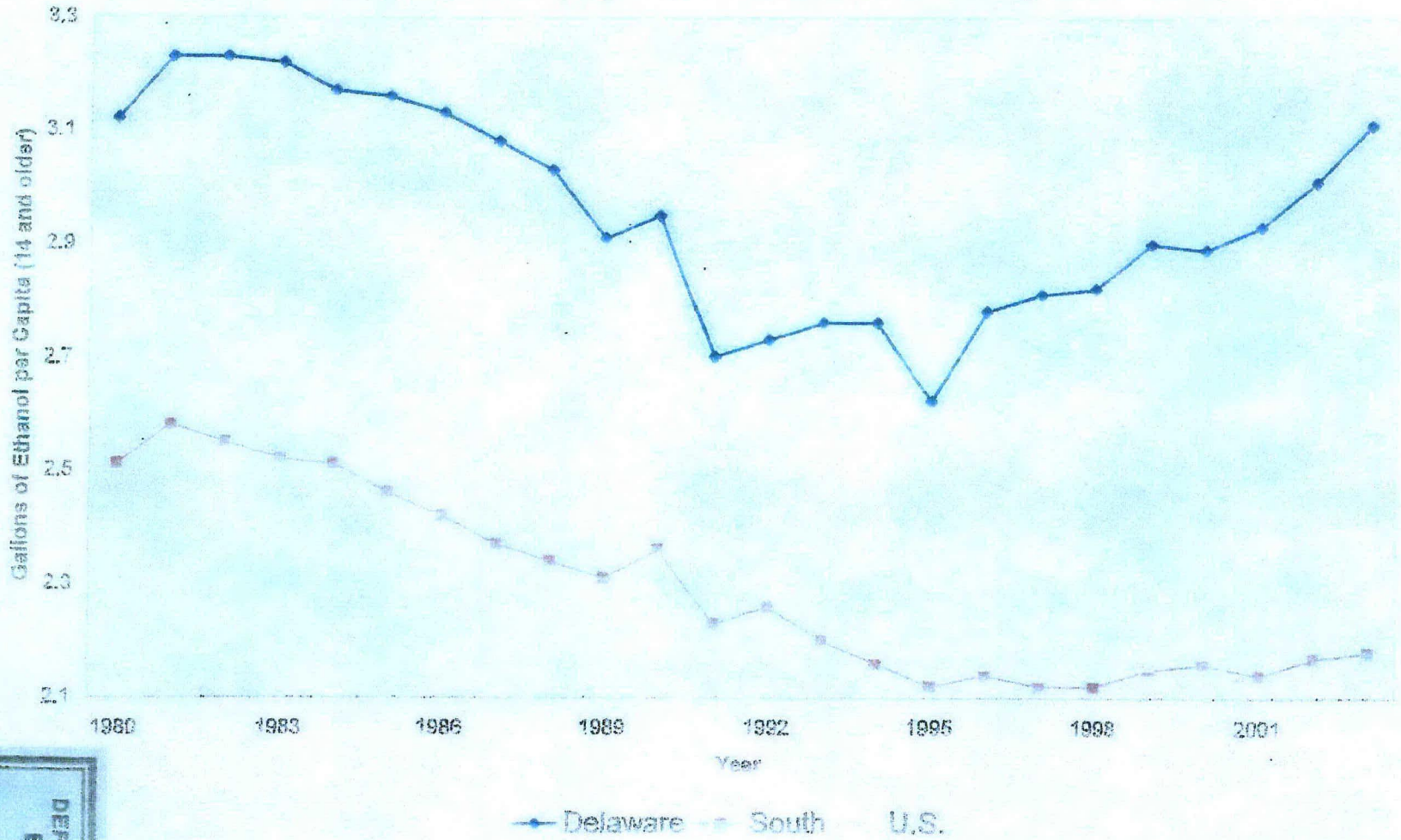
Total Ethanol Consumption, per Capita (14 and older)
Delaware, Southern Region, and United States, 1980-2003

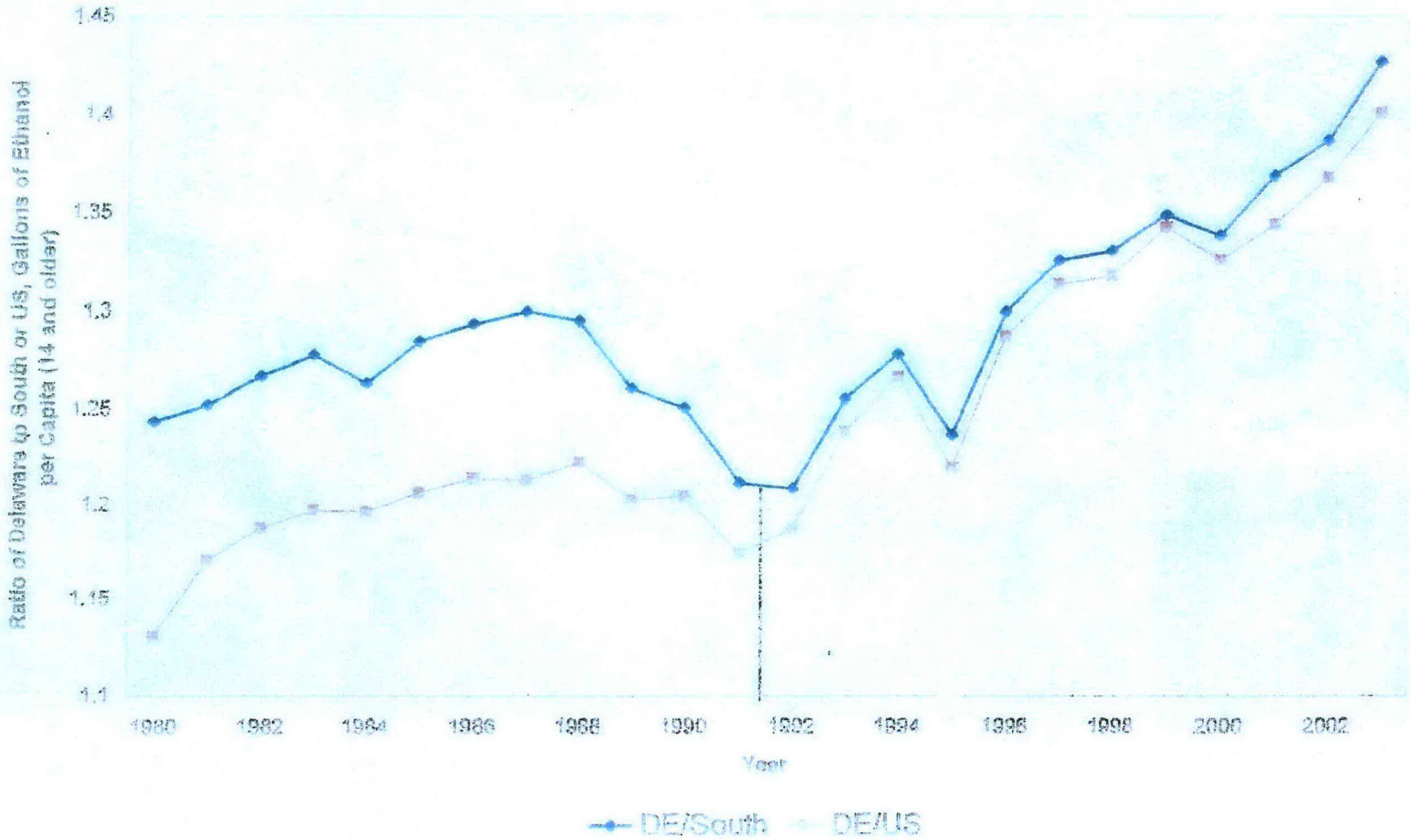


TX578-001

DEFENDANT'S EXHIBIT
CASE NO. C04-0360P
EXHIBIT NO. 578

Resp to Costco RFP
P08586

Relative Ethanol Consumption per Capita
Delaware, Southern Region, and United States, 1980-2003



TX578-002

Resp to Costco RFP
P08587

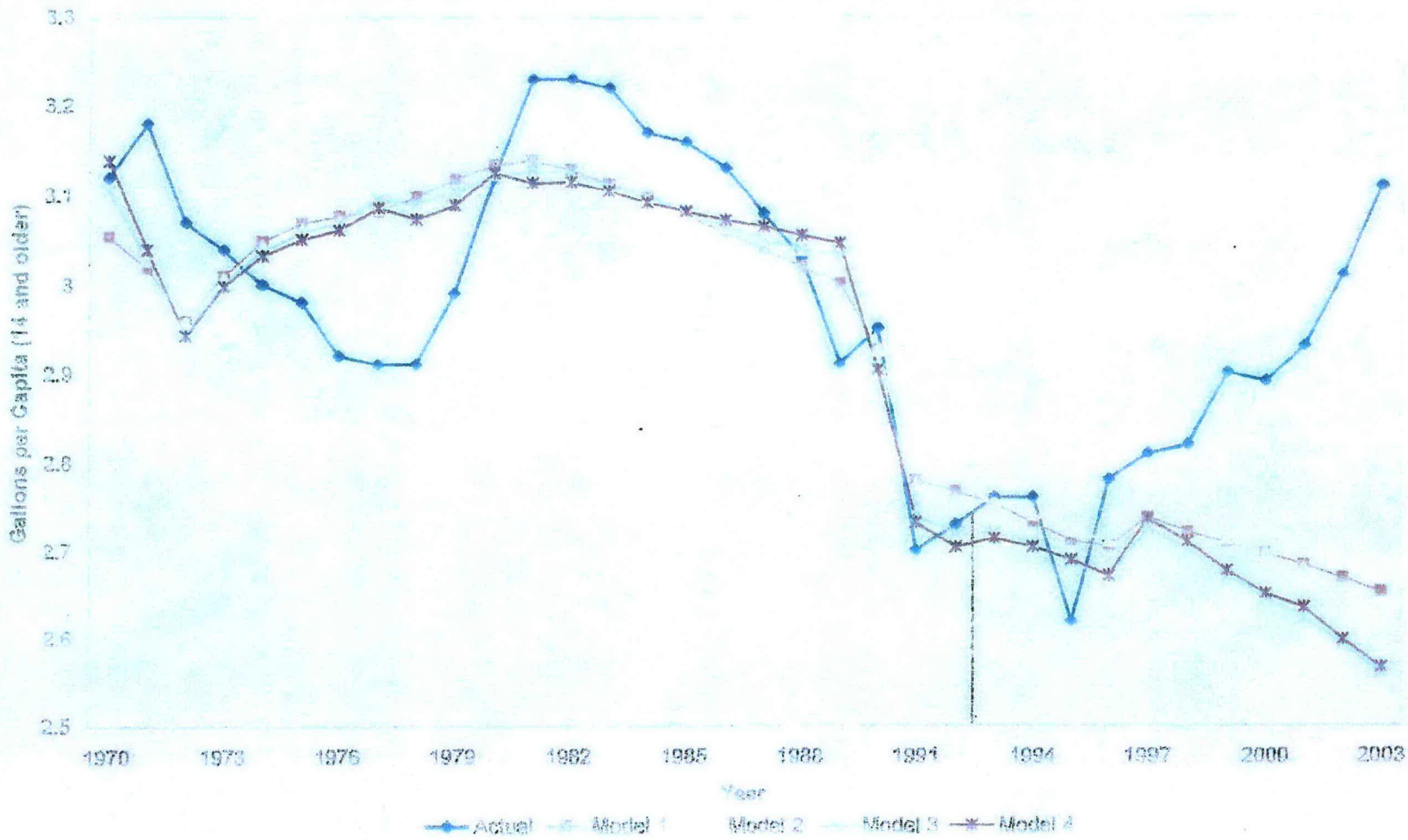
Delaware: Apparent Consumption per Capita (14 and older), Total Ethanol, 1970-2003

Variable	Model 1	Model 2	Model 3	Model 4
Trend	-0.020 (0.010)	-0.024 (0.008)	-0.031 (0.012)	-0.031 (0.008)
US Consumption	0.132 (0.303)		-0.160 (0.338)	
Southern Consumption		-0.067 (0.264)		-0.292 (0.271)
Alcohol Tax	-7.526 (3.537)	-9.307 (3.279)	-11.159 (4.024)	-12.354 (3.412)
Policy Indicator	-1.108 (0.288)	-1.166 (0.262)	-4.745 (2.115)	-5.738 (2.177)
Policy * Trend	0.043 (0.010)	0.045 (0.009)	0.049 (0.010)	0.049 (0.009)
Policy * US Consumption			1.612 (0.929)	
Policy * Southern Consumption				2.090 (0.989)
Constant	3.225 (1.010)	3.859 (0.798)	4.257 (1.143)	4.598 (0.830)
F – Joint Significance of Policy Variables (p-value in parentheses)	9.35 (0.0008)	12.04 (0.0002)	7.67 (0.0007)	10.51 (0.0001)
F	13.52	13.44	12.58	13.34
R^2	0.707	0.706	0.737	0.748
Actual Consumption, 2003	3.11	3.11	3.11	3.11
Predicted Consumption, 2003	2.65 (0.152)	2.63 (0.149)	2.56 (0.157)	2.57 (0.144)
Difference (gallons of ethanol) (p-value for difference in parentheses)	0.46 (0.0058)	0.48 (0.0033)	0.55 (0.0017)	0.54 (0.0008)

Note: Standard errors in parentheses (except as noted)

TX578-003

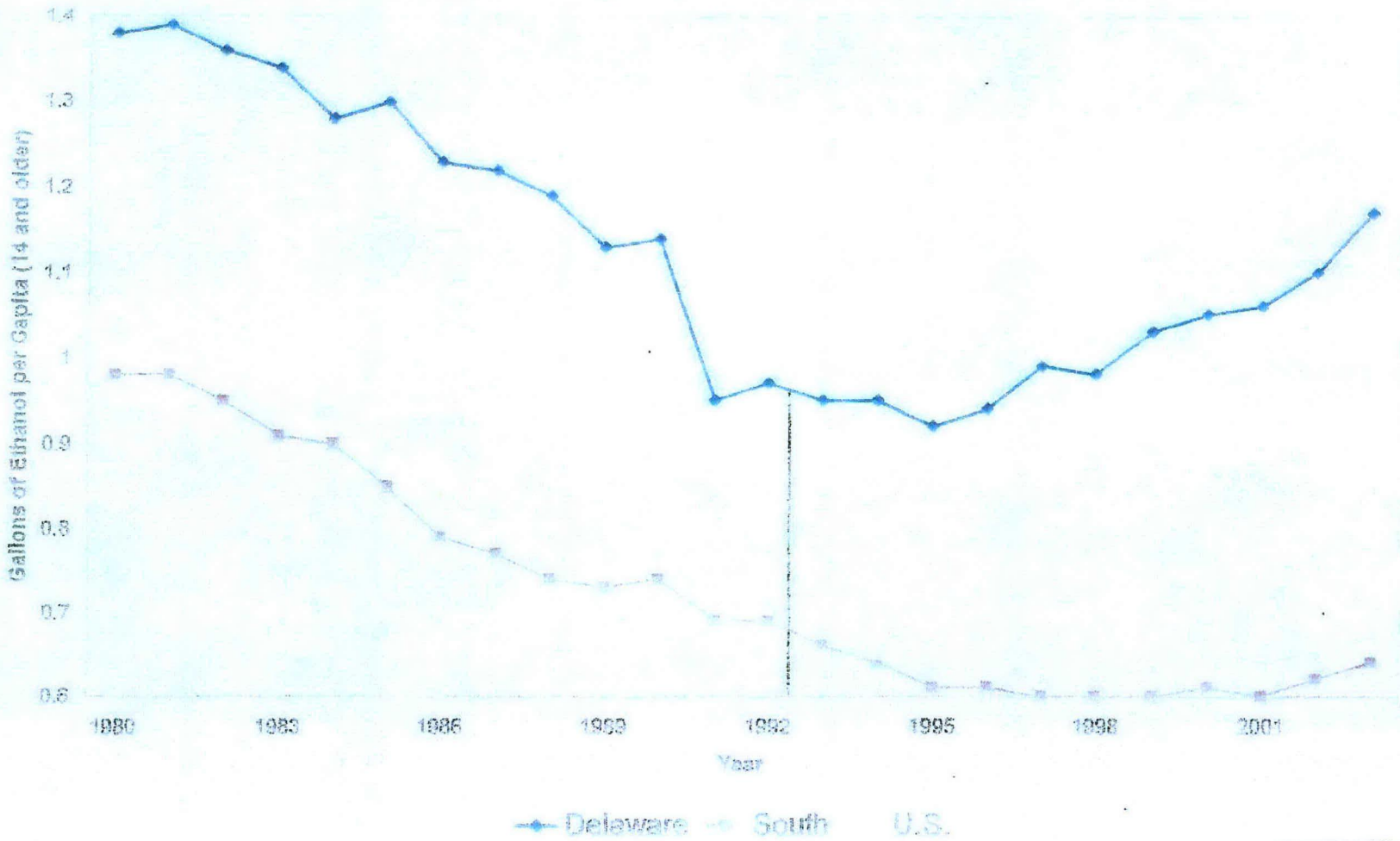
Actual and Predicted Delaware Consumption
Total Ethanol, 1970-2003



TX578-004

Resp to Costco RFP
P08589

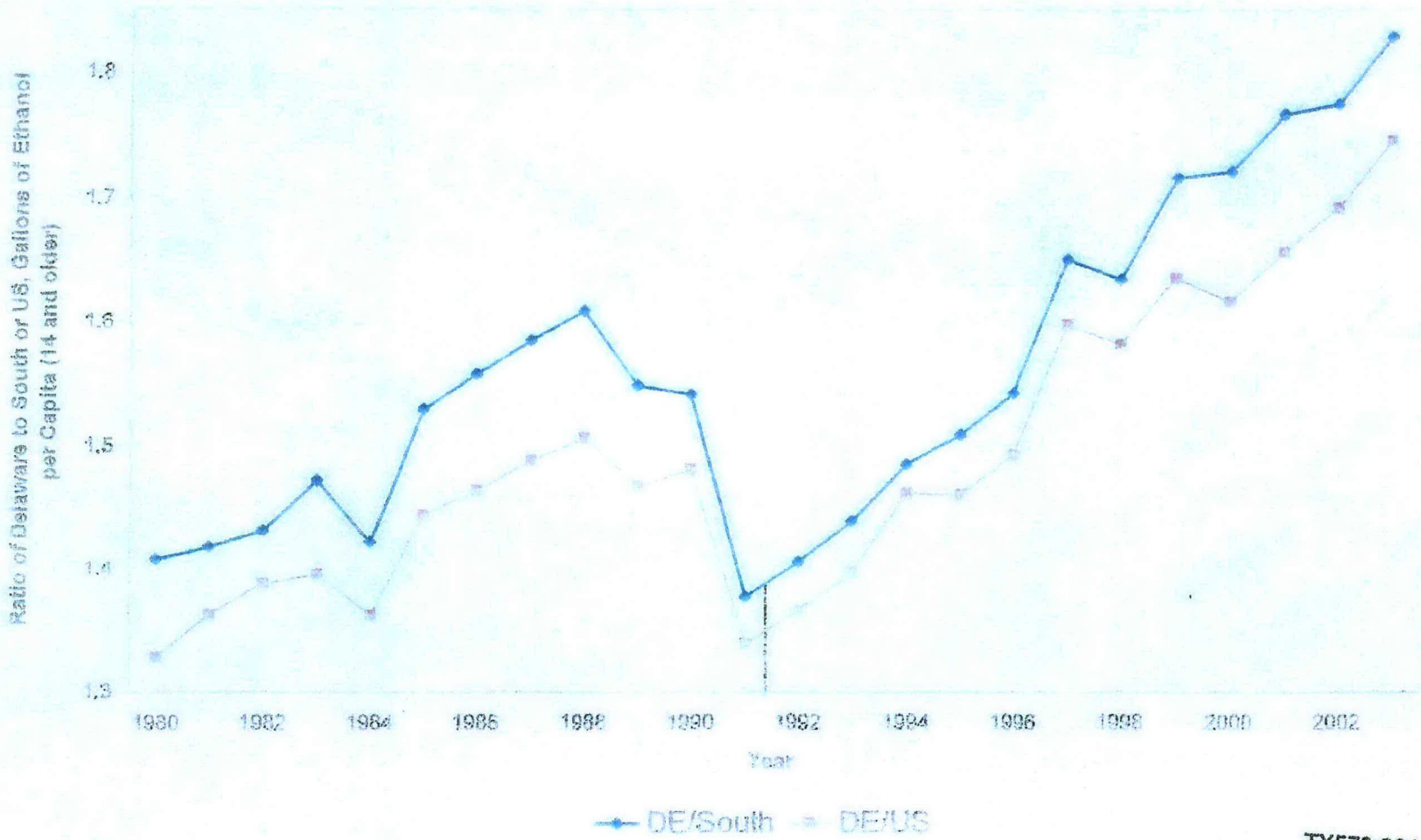
Spirits Consumption per Capita (14 and older)
Delaware, Southern Region, and United States, 1980-2003



TX578-005

Resp to Costco RFP
P08590

Relative Spirits Consumption per Capita
Delaware, Southern Region, and United States, 1980-2003



TX578-006

Resp to Costco RFP
P08591

Delaware: Apparent Consumption per Capita (14 and older): Spirits, 1970-2003

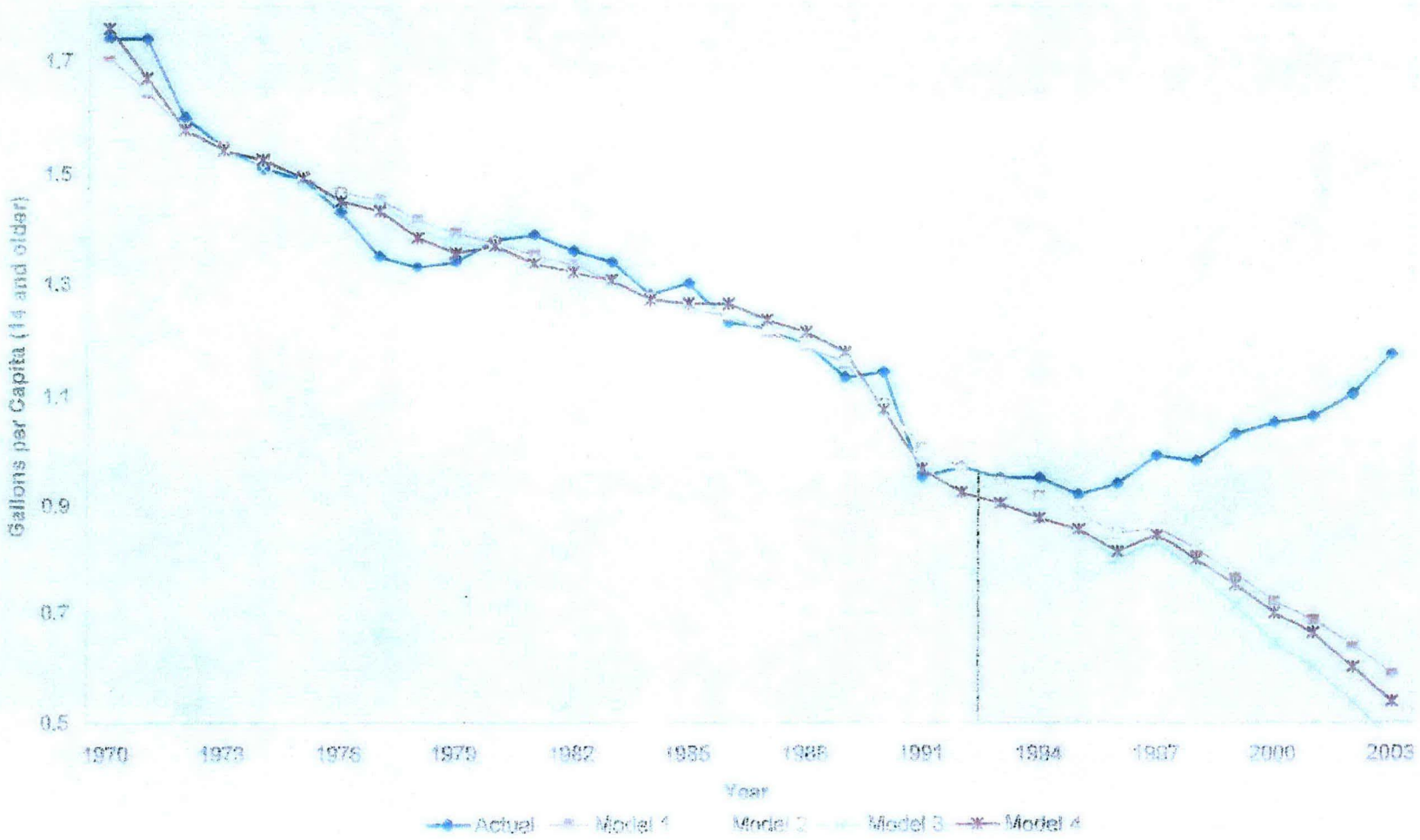
Variable	Model 1	Model 2	Model 3	Model 4
Trend	-0.043 (0.006)	-0.042 (0.005)	-0.056 (0.006)	-0.050 (0.004)
US Consumption	-0.479 (0.266)		-0.947 (0.233)	
Southern Consumption		-0.501 (0.196)		-0.770 (0.158)
Alcohol Tax	-2.284 (0.807)	-2.383 (0.757)	-3.542 (0.691)	-3.420 (0.611)
Policy Indicator	-1.346 (0.190)	-1.283 (0.152)	-3.317 (0.474)	-3.168 (0.415)
Policy * Trend	0.054 (0.007)	0.052 (0.005)	0.064 (0.006)	0.062 (0.004)
Policy * US Consumption			2.721 (0.622)	
Policy * Southern Consumption				2.648 (0.560)
Constant	2.469 (0.354)	2.453 (0.248)	3.151 (0.317)	2.848 (0.205)
F – Joint Significance of Policy Variables (p-value in parentheses)	37.15 (0.0000)	58.76 (0.0000)	47.19 (0.0000)	46.55 (0.0000)
F	142.38	157.82	198.70	235.70
R^2	0.962	0.966	0.978	0.981
Actual Consumption, 2003	1.17	1.17	1.17	1.17
Predicted Consumption, 2003	0.59 (0.083)	0.61 (0.070)	0.47 (0.070)	0.54 (0.055)
Difference (gallons of ethanol) (p-value for difference in parentheses)	0.58 (0.0000)	0.56 (0.0000)	0.70 (0.0000)	0.63 (0.0000)

Note: Standard errors in parentheses (except as noted)

TX578-007

Resp to Costco RFP
P08592

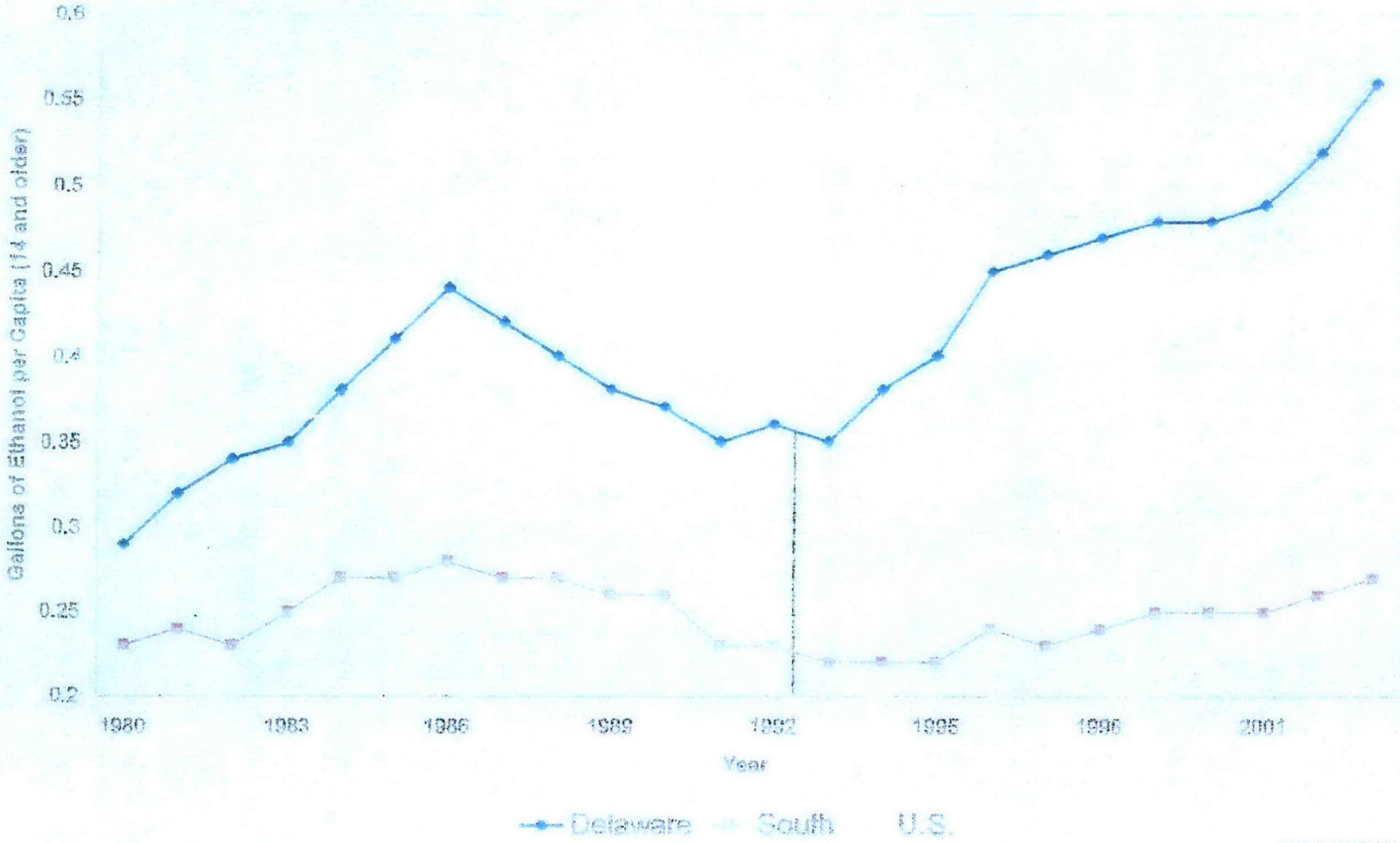
Actual and Predicted Delaware Consumption Spirits, 1970-2003



TX578-008

Resp to Costco RFP
P08593

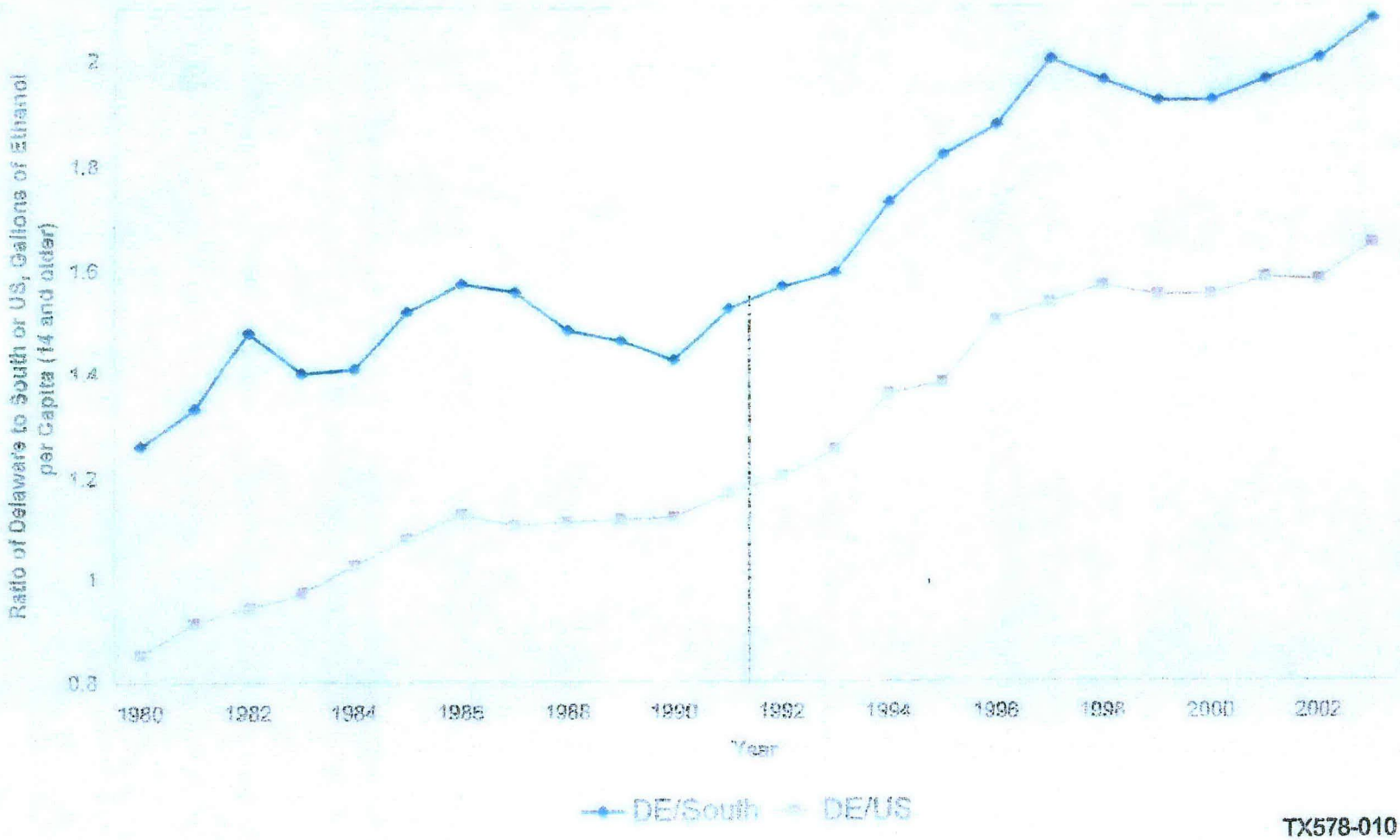
Wine Consumption per Capita (14 and older)
Delaware, Southern Region, and United States, 1980-2003



TX578-009

Resp to Costco RFP
P08594

Relative Wine Consumption per Capita
Delaware, Southern Region, and United States, 1980-2003



TX578-010

Resp to Costco RFP
P08595

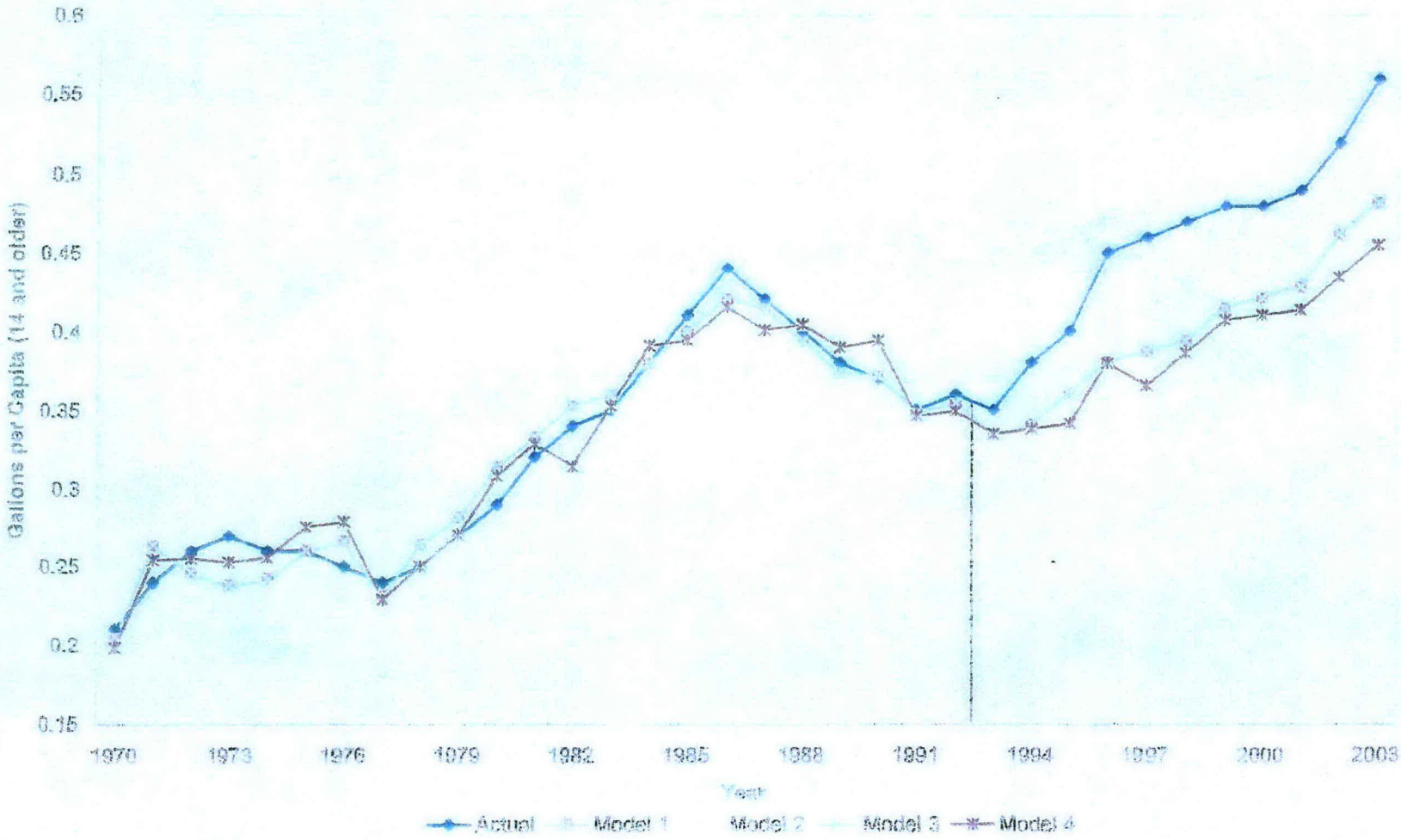
Delaware: Apparent Consumption per Capita (14 and older): Wine, 1970-2003

Variable	Model 1	Model 2	Model 3	Model 4
Trend	0.007 (0.001)	0.003 (0.001)	0.007 (0.001)	0.003 (0.001)
US Consumption	1.321 (0.144)		1.357 (0.148)	
Southern Consumption		1.745 (0.204)		1.764 (0.207)
Alcohol Tax	0.607 (0.177)	0.105 (0.172)	0.618 (0.182)	0.119 (0.174)
Policy Indicator	-0.067 (0.047)	-0.113 (0.048)	-0.020 (0.123)	-0.042 (0.111)
Policy * Trend	0.004 (0.002)	0.006 (0.002)	0.006 (0.004)	0.009 (0.004)
Policy * US Consumption			-0.281 (0.681)	
Policy * Southern Consumption				-0.637 (0.902)
Constant	-0.243 (0.052)	-0.132 (0.044)	-0.246 (0.053)	-0.137 (0.045)
F – Joint Significance of Policy Variables (p-value in parentheses)	9.25 (0.0008)	13.29 (0.0001)	6.04 (0.0028)	8.87 (0.0003)
F	241.39	211.08	195.22	172.83
R^2	0.977	0.974	0.978	0.975
Actual Consumption, 2003	0.56	0.56	0.56	0.56
Predicted Consumption, 2003	0.48 (0.022)	0.45 (0.025)	0.48 (0.023)	0.46 (0.025)
Difference (gallons of ethanol) (p-value for difference in parentheses)	0.08 (0.0016)	0.11 (0.0002)	0.08 (0.0022)	0.10 (0.0003)

Note: Standard errors in parentheses (except as noted)

TX578-011

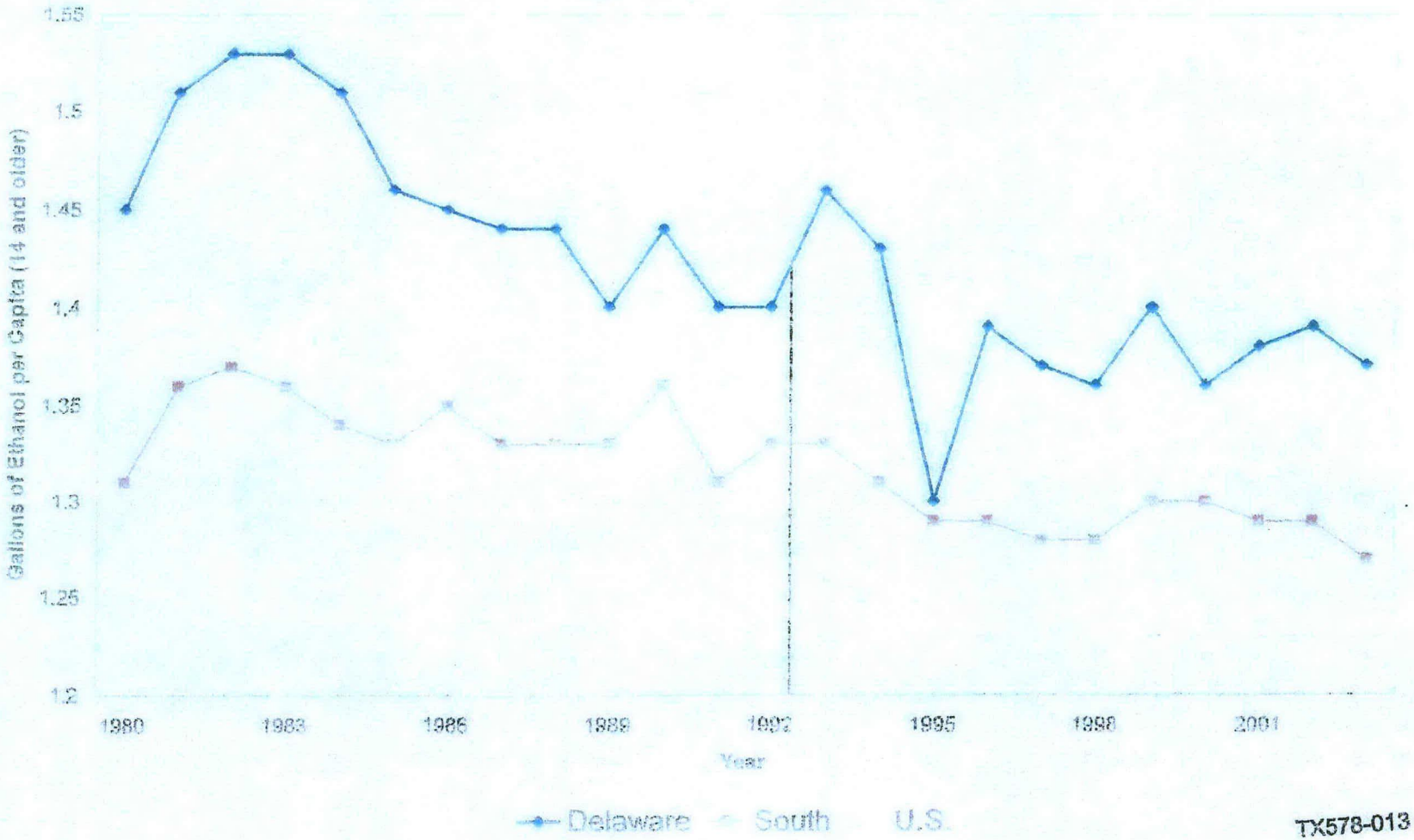
Actual and Predicted Delaware Consumption
Wine, 1970-2003



TX578-012

Resp to Costco RFP
P08597

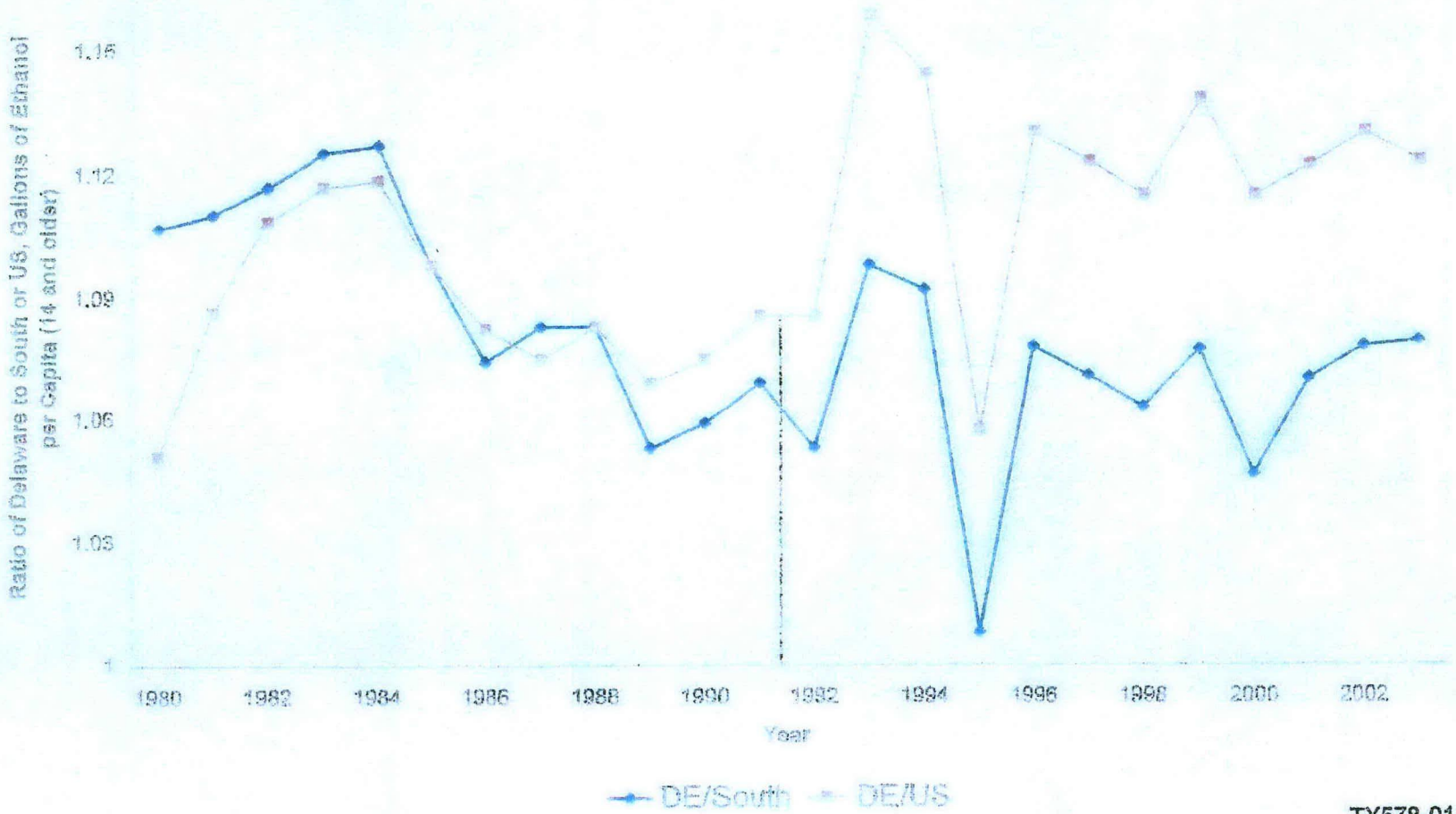
Beer Consumption per Capita (14 and older)
Delaware, Southern Region, and United States, 1980-2003



TX578-013

Resp to Costco RFP
P08598

Relative Beer Consumption per Capita
Delaware, Southern Region, and United States, 1980-2003



TX578-014

Resp to Costco RFP
R08599

Delaware: Apparent Consumption per Capita (14 and older): Beer, 1970-2003

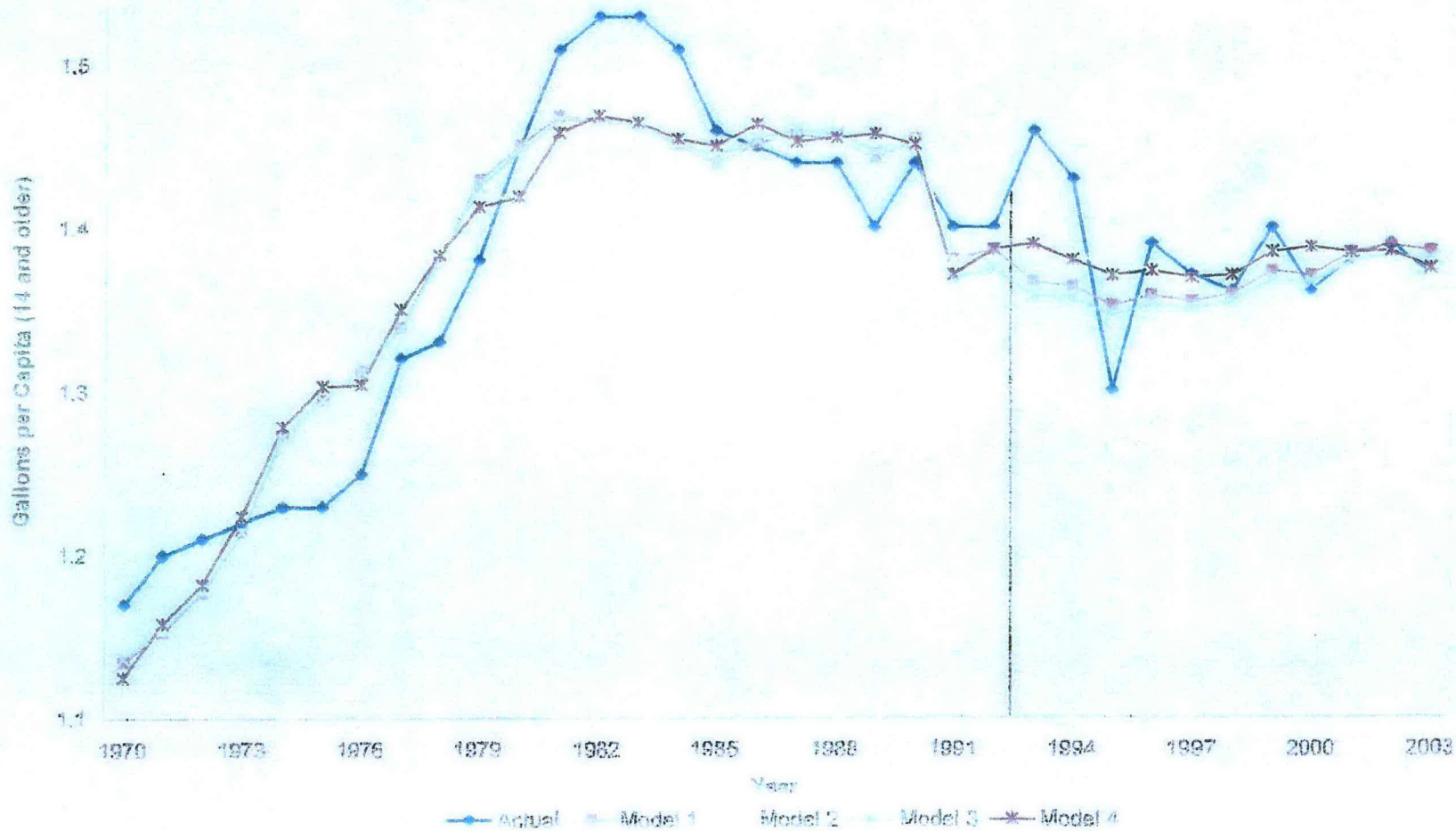
Variable	Model 1	Model 2	Model 3	Model 4
Trend	0.003 (0.002)	-0.001 (0.002)	0.003 (0.002)	-0.001 (0.003)
US Consumption	0.872 (0.262)		0.769 (0.274)	
Southern Consumption		0.720 (0.241)		0.632 (0.248)
Alcohol Tax	-4.784 (3.790)	-5.455 (2.929)	-6.490 (4.031)	-6.814 (4.021)
Policy Indicator	0.194 (0.119)	0.083 (0.143)	-1.601 (1.524)	-1.818 (1.473)
Policy * Trend	-0.006 (0.004)	-0.003 (0.005)	-0.002 (0.006)	0.001 (0.006)
Policy * US Consumption			1.366 (1.156)	
Policy * Southern Consumption				1.1388 (1.071)
Constant	0.274 (0.397)	0.539 (0.349)	0.445 (0.420)	0.690 (0.360)
F – Joint Significance of Policy Variables (p-value in parentheses)	1.36 (0.2734)	0.17 (0.8433)	1.38 (0.2691)	0.68 (0.5736)
F	31.60	29.49	26.93	24.45
R^2	0.849	0.840	0.857	0.850
Actual Consumption, 2003	1.37	1.37	1.37	1.37
Predicted Consumption, 2003	1.38 (0.068)	1.37 (0.073)	1.38 (0.068)	1.37 (0.072)
Difference (gallons of ethanol) (p-value for difference in parentheses)	-0.01 (0.8303)	0.00 (0.9962)	-0.01 (0.8882)	0.00 (0.9572)

Note: Standard errors in parentheses (except as noted)

TX578-015

Resp to Cosico RFP
P08600

Actual and Predicted Delaware Consumption
Beer, 1970-2003



TX578-016

Resp to Gostco RFP
P08601