



North Dakota Public Employees Retirement System

2009 Projections

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North Dakota Main System Projected Margins (Market Return After FY 2010 Always 8.0%)

If Market Return for FY 2010 is	June 30, 2010	June 30, 2011	June 30, 2012	June 30, 2013	June 30, 2014
24%	-4.43%	-5.31%	-6.51%	-7.29%	-7.18%
16%	-4.63%	-5.73%	-7.13%	-8.11%	-8.21%
8%	-4.83%	-6.15%	-7.76%	-8.94%	-9.24%
0%	-5.03%	-6.56%	-8.38%	-9.77%	-10.26%
-8%	-5.23%	-6.98%	-9.01%	-10.60%	-11.29%
-16%	-5.43%	-7.39%	-9.63%	-11.43%	-12.32%
-24%	-5.63%	-7.81%	-10.26%	-12.26%	-13.35%

Note: Projection reflects only investment return effects.
Assumes constant normal cost rate of 8.75% for Main.
The 2009 valuation margin is -3.62%.

North Dakota Main System Projected Margins (Market Return After FY 2010 Always 9.3%)

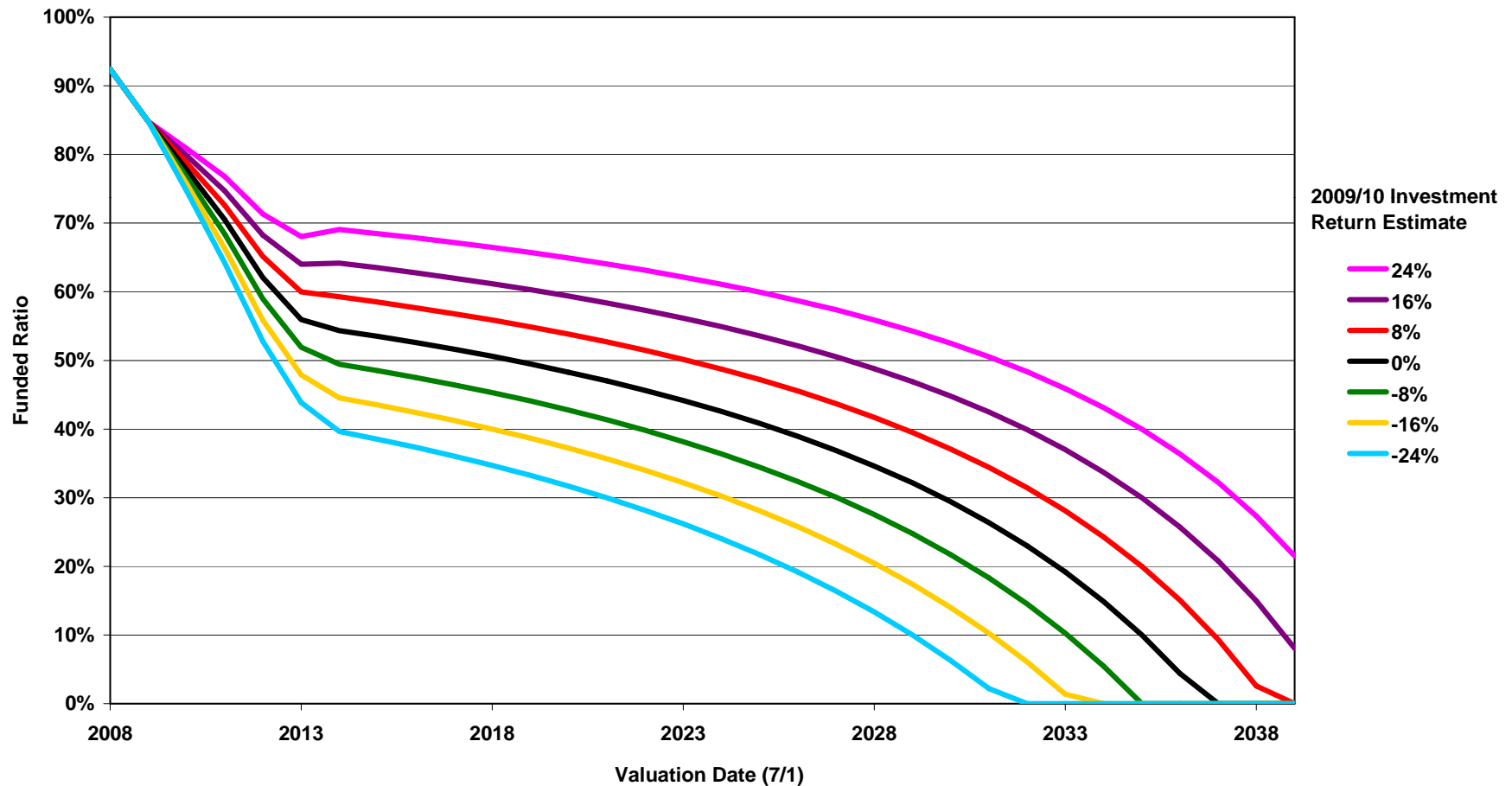
If Market Return for FY 2010 is	June 30, 2010	June 30, 2011	June 30, 2012	June 30, 2013	June 30, 2014
24%	-4.43%	-5.28%	-6.39%	-7.05%	-6.78%
16%	-4.63%	-5.69%	-7.02%	-7.89%	-7.83%
8%	-4.83%	-6.11%	-7.66%	-8.74%	-8.89%
0%	-5.03%	-6.53%	-8.29%	-9.58%	-9.94%
-8%	-5.23%	-6.95%	-8.92%	-10.43%	-11.00%
-16%	-5.43%	-7.37%	-9.55%	-11.27%	-12.05%
-24%	-5.63%	-7.78%	-10.19%	-12.12%	-13.11%

Note: Projection reflects only investment return effects.
Assumes constant normal cost rate of 8.75% for Main.
The 2009 valuation margin is -3.62%.

**North Dakota Main System
Projected Funded Ratio
Actuarial Value of Assets to the Actuarial Accrued Liability
(Market Return After FY 2010 Always 8.0%)**

Valuation July 1,	2009/10 Investment Return Estimate						
	24%	16%	8%	0%	-8%	-16%	-24%
2009	85%	85%	85%	85%	85%	85%	85%
2010	81%	80%	79%	78%	77%	76%	75%
2011	77%	75%	73%	71%	68%	66%	64%
2012	71%	68%	65%	62%	59%	56%	53%
2013	68%	64%	60%	56%	52%	48%	44%
2014	69%	64%	59%	54%	49%	45%	40%
2019	66%	60%	55%	49%	44%	39%	33%
2024	61%	55%	49%	43%	36%	30%	24%
2029	54%	47%	40%	32%	25%	17%	10%
2034	43%	34%	24%	15%	5%	0%	0%
2039	22%	8%	0%	0%	0%	0%	0%

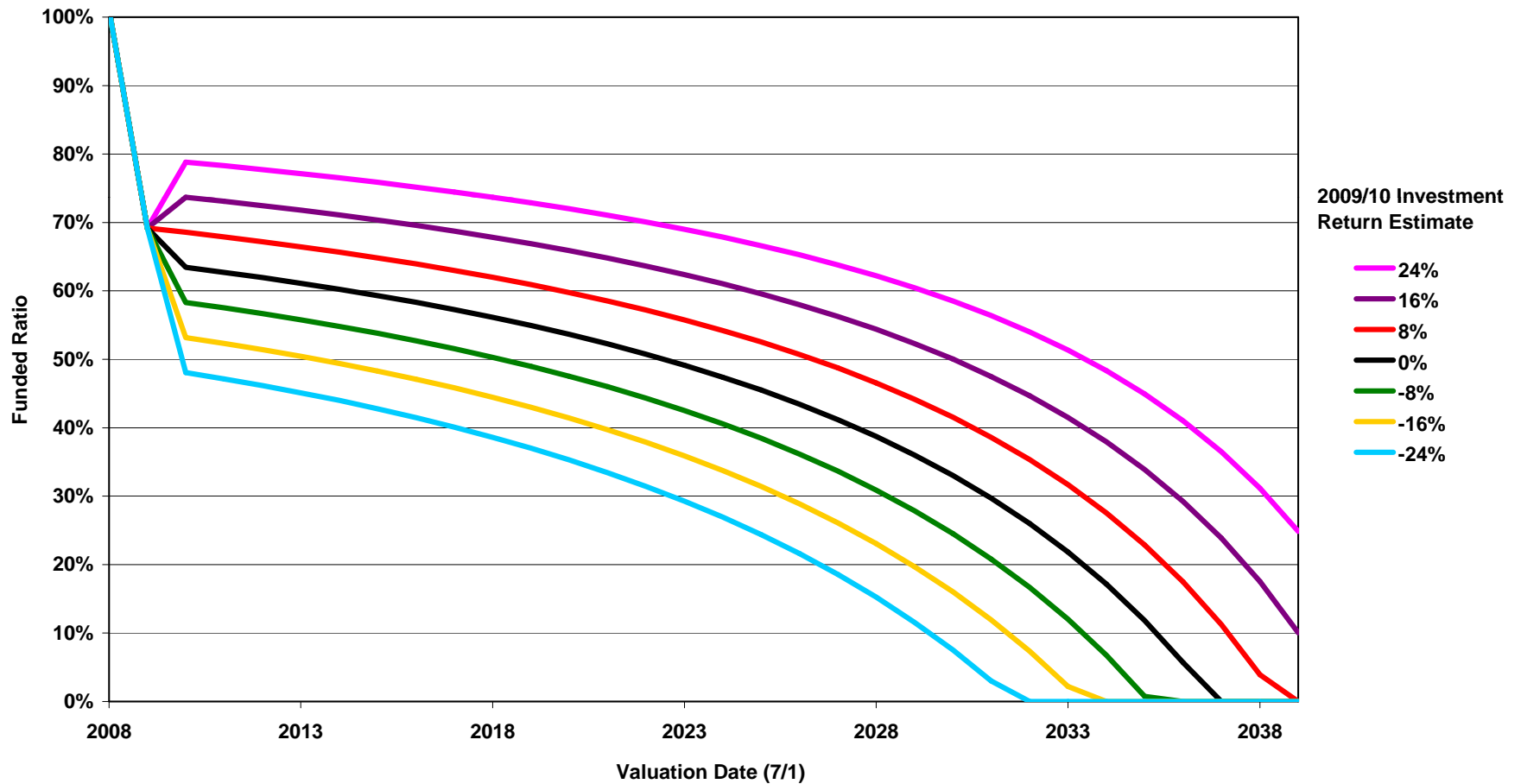
**North Dakota Main System
Projected Funded Ratio
Actuarial Value of Assets to the Actuarial Accrued Liability
(Market Return After FY 2010 Always 8.0%)**



**North Dakota Main System
Projected Funded Ratio
Market Value of Assets to the Actuarial Accrued Liability
(Market Return After FY 2010 Always 8.0%)**

Valuation July 1,	2009/10 Investment Return Estimate						
	24%	16%	8%	0%	-8%	-16%	-24%
2009	69%	69%	69%	69%	69%	69%	69%
2010	79%	74%	69%	63%	58%	53%	48%
2011	78%	73%	68%	63%	58%	52%	47%
2012	78%	72%	67%	62%	57%	51%	46%
2013	77%	72%	66%	61%	56%	50%	45%
2014	77%	71%	66%	60%	55%	49%	44%
2019	73%	67%	61%	55%	49%	43%	37%
2024	68%	61%	54%	47%	41%	34%	27%
2029	60%	52%	44%	36%	28%	20%	12%
2034	48%	38%	28%	17%	7%	0%	0%
2039	25%	10%	0%	0%	0%	0%	0%

**North Dakota Main System
Projected Funded Ratio
Market Value of Assets to the Actuarial Accrued Liability
(Market Return After FY 2010 Always 8.0%)**



North Dakota Main System Projected Return Required Each Year after FY 2010 to Achieve Given AVA Funded Ratio in 30 Years

Target Funded Ratio	2009/10 Investment Return Estimate						
	24.00%	16.00%	8.00%	0.00%	-8.00%	-16.00%	-24.00%
70%	9.23%	9.63%	10.08%	10.56%	11.11%	11.72%	12.42%
80%	9.44%	9.84%	10.28%	10.76%	11.30%	11.91%	12.60%
90%	9.63%	10.03%	10.47%	10.95%	11.48%	12.09%	12.77%
100%	9.82%	10.21%	10.65%	11.13%	11.66%	12.26%	12.94%