



Loudoun County, Virginia

Loudoun County 2009 Benthic Stream Assessment

Frederick



Jefferson



Excellent



Good



Stress



Severe Stress

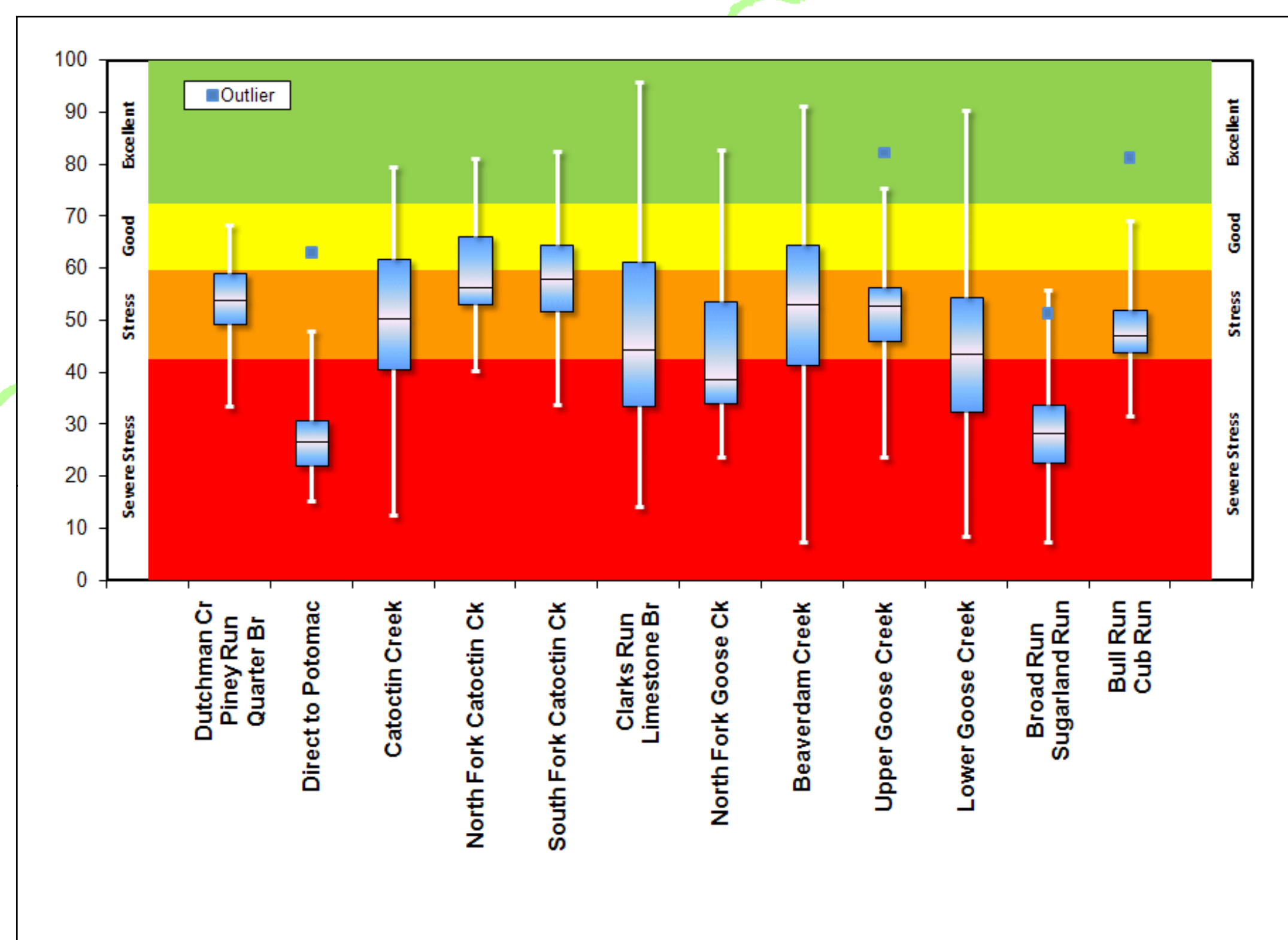
Clarke

Montgomery

Fauquier

Fairfax

Prince William



Benthic Rating Category	Excellent		Good		Stress		Severe Stress	
	Percent	Standard Error	Percent	Standard Error	Percent	Standard Error	Percent	Standard Error
Watershed								
Dutchman Creek/Piney Run/Quarter Branch	0.0%	na	30.0%	0.15	60.0%	0.16	10.0%	0.10
Direct to Potomac	0.0%	na	9.1%	0.09	9.1%	0.09	81.8%	0.12
Catoctin Creek	0.0%	na	28.6%	0.13	42.9%	0.14	28.6%	0.13
North Fork Catoctin Creek	0.0%	na	40.0%	0.16	60.0%	0.16	0.0%	na
South Fork Catoctin Creek	10.0%	0.10	40.0%	0.16	40.0%	0.16	10.0%	0.10
Clarks Run/Limestone Branch	10.0%	0.10	20.0%	0.13	30.0%	0.15	40.0%	0.16
North Fork Goose Creek	0.0%	na	20.0%	0.11	20.0%	0.11	60.0%	0.13
Beaverdam Creek	10.5%	0.07	36.8%	0.11	21.1%	0.10	31.6%	0.11
Upper Goose Creek	6.3%	0.06	12.5%	0.09	68.8%	0.12	12.5%	0.09
Lower Goose Creek	3.7%	0.04	3.7%	0.04	44.4%	0.10	48.1%	0.10
Broad Run/Sugarland Run	0.0%	na	0.0%	na	8.0%	0.06	92.0%	0.06
Bull Run/Cub Run	10.0%	0.10	10.0%	0.10	60.0%	0.16	20.0%	0.13
Countywide	3.8%	0.01	18.0%	0.03	35.7%	0.03	42.5%	0.03

Benthic Assessment Benthic SVSCI Score

- Excellent (> 73)
- Good (60 - 72)
- Stress (43 - 59)
- Severe Stress (< 42)
- Scenic River

The Loudoun County Stream Assessment was conducted in 2009 with a comprehensive field investigation of benthic and stream habitat conditions at 500 locations. Using a probabilistic design, statistical assessment by watershed was conducted. Full reports are available at www.loudoun.gov/streamassessment

