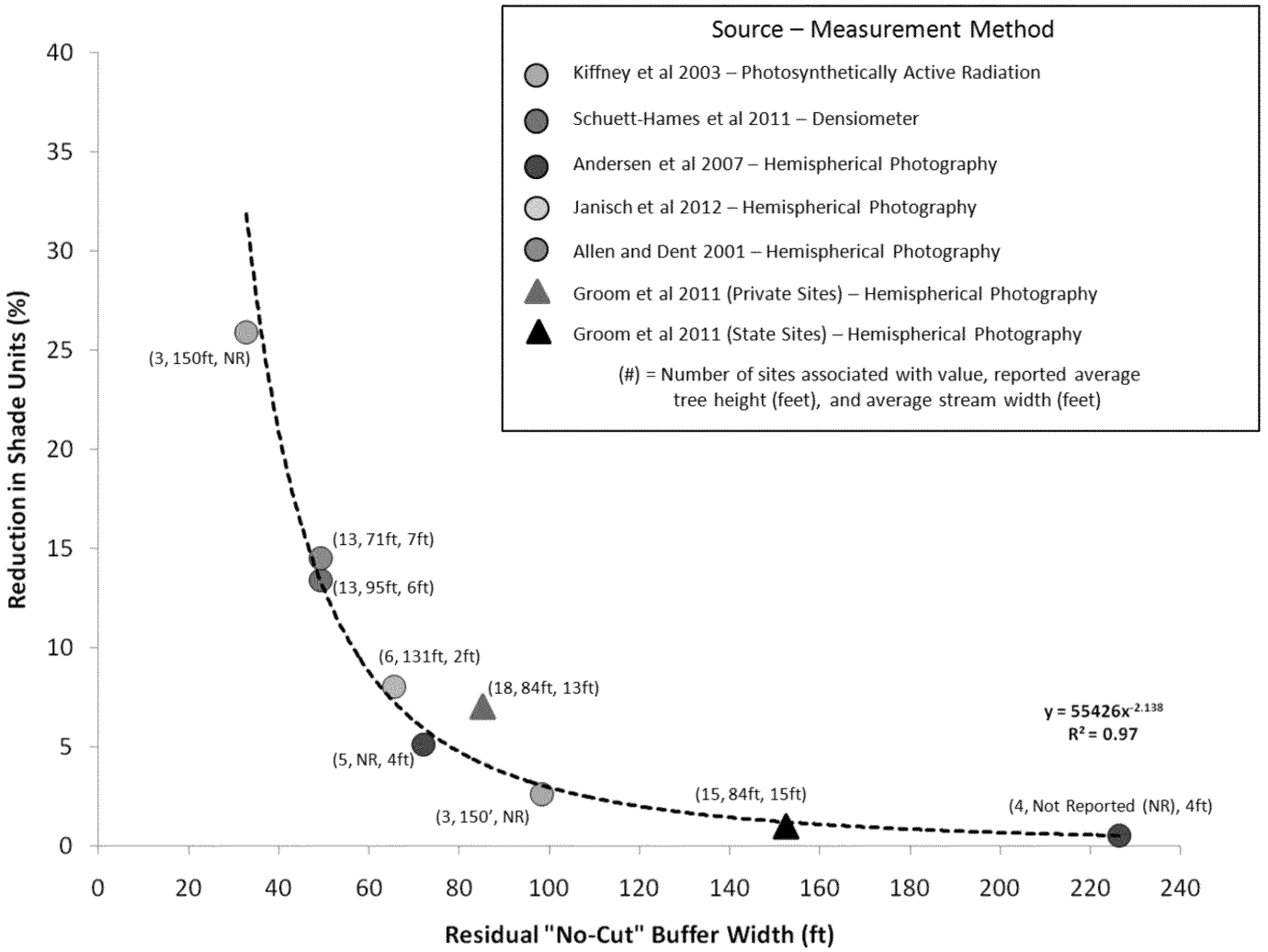
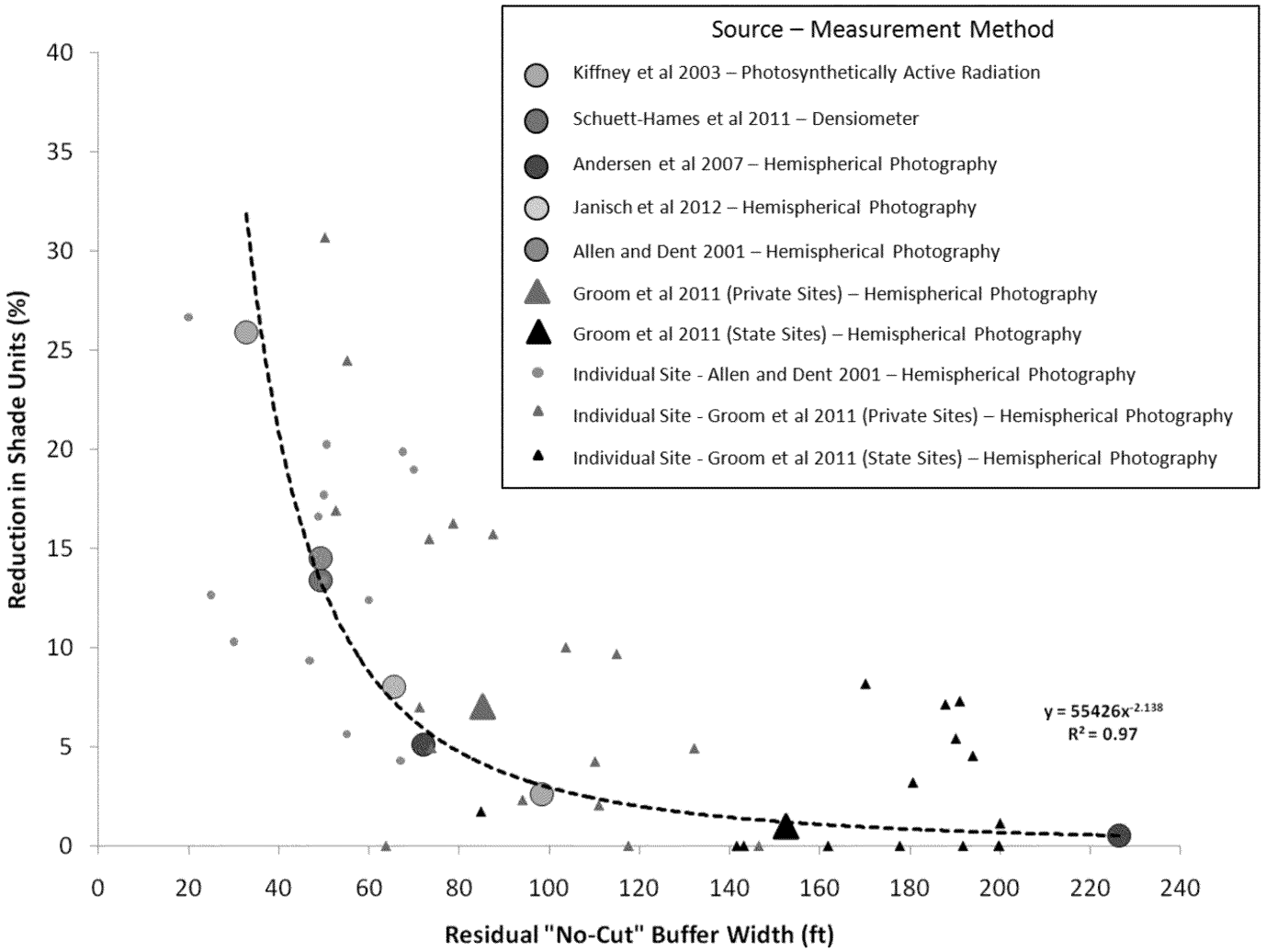

Source – Measurement Method
Kiffney et al 2003 – Photosynthetically Active Radiation
Schuett-Hames et al 2011 – Densiometer
Andersen et al 2007 – Hemispherical Photography
Janisch et al 2012 – Hemispherical Photography
Allen and Dent 2001 – Hemispherical Photography
Groom et al 2011 (Private Sites) – Hemispherical Photography
Groom et al 2011 (State Sites) – Hemispherical Photography
(#) = Number of sites associated with value, reported average tree height (feet), and average stream width (feet)
Reduction in Shade Units (%)
Residual "No-Cut" Buffer Width (ft)
(3, 150ft, NR)
(13, 71ft, 7ft)
(13, 95ft, 6ft)
(6, 131ft, 2ft)
(18, 84ft, 13ft)
(5, NR, 4ft)
(3, 150', NR)
(15, 84ft, 15ft)
(4, Not Reported (NR), 4ft)
y = 55426x^-2.138
R² = 0.97


Source – Measurement Method
Kiffney et al 2003 – Photosynthetically Active Radiation
Schuett-Hames et al 2011 – Densiometer
Andersen et al 2007 – Hemispherical Photography
Janisch et al 2012 – Hemispherical Photography
Allen and Dent 2001 – Hemispherical Photography
Groom et al 2011 (Private Sites) – Hemispherical Photography
Groom et al 2011 (State Sites) – Hemispherical Photography
Individual Site - Allen and Dent 2001 – Hemispherical Photography
Individual Site - Groom et al 2011 (Private Sites) – Hemispherical Photography
Individual Site - Groom et al 2011 (State Sites) – Hemispherical Photography
y = 55426x^-2.138
R² = 0.97
Reduction in Shade Units (%)
Residual "No-Cut" Buffer Width (ft)
0
5
10
15
20
25
30
35
40
0
20
40
60
80
100
120
140
160
180
200
220
240