



Figure 43. Diel vs. tidal force influence on DO (% sat), NERR SWMP 1995-2000.

A handful of sites lie below the 45° line, suggesting that DO (% sat) at these sites is at least somewhat tidally dominated (Figure 43). Sites where DO (% sat) appears to be primarily tidally influenced include both ACE Basin NERR sites and two Great Bay NERR and two Sapelo Island NERR sites (for both of these reserves, remaining sites lie near the line of equal importance). The Hudson River sites at Tivoli Bay (HUDTN and HUDTS) also appear to be tidally-dominated; however, the Hudson River – Saw Kill site lies far to the upper left, making it one of the most extremely diel-dominated sites for DO (% sat). Other sites either lie near the line of equal importance or show a much stronger diel than tidal influence; of these, the Elkhorn Slough, Jobos Bay and Waquoit Bay sites stand out at extreme upper left, along with the Chesapeake Bay Virginia – Goodwin Islands and Tijuana River – Tidal Linkage sites.