

According to the 2017 [Lake Score Card](#) water quality trend analyses (Figure 1), Lake Carmi is stable overall since 1979 in both summer [Lay Monitoring](#) total phosphorus (TP) and chlorophyll-a (algae and cyanobacteria) and [spring total phosphorus](#), while summer Secchi depth (water transparency) is statistically significantly improving with some interannual variability. However, summer TP remains consistently above the standard of 22 ug/l but shows some indication of recent improvement (Figure 2). For [Assessment and Listing](#) reports, DEC uses five continuous years of data to determine if the lake is no longer impaired. Therefore, watershed and shoreland best management practices along with in-lake phosphorus management should continue to be implemented until all applicable water quality quality standards are met.

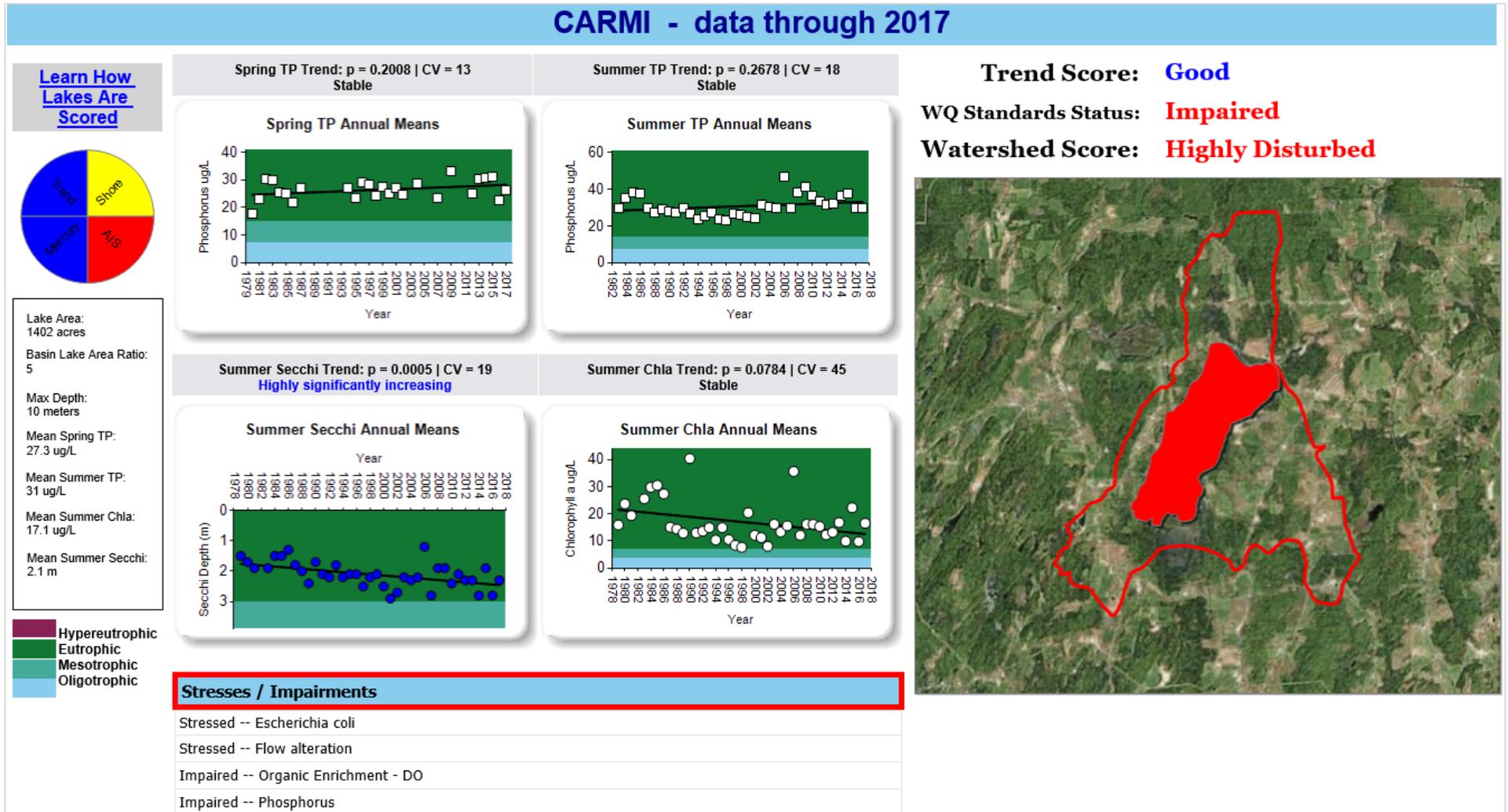


Figure 1. Lake Carmi Score Card Trends and Status Report with data from 1979 through 2017.

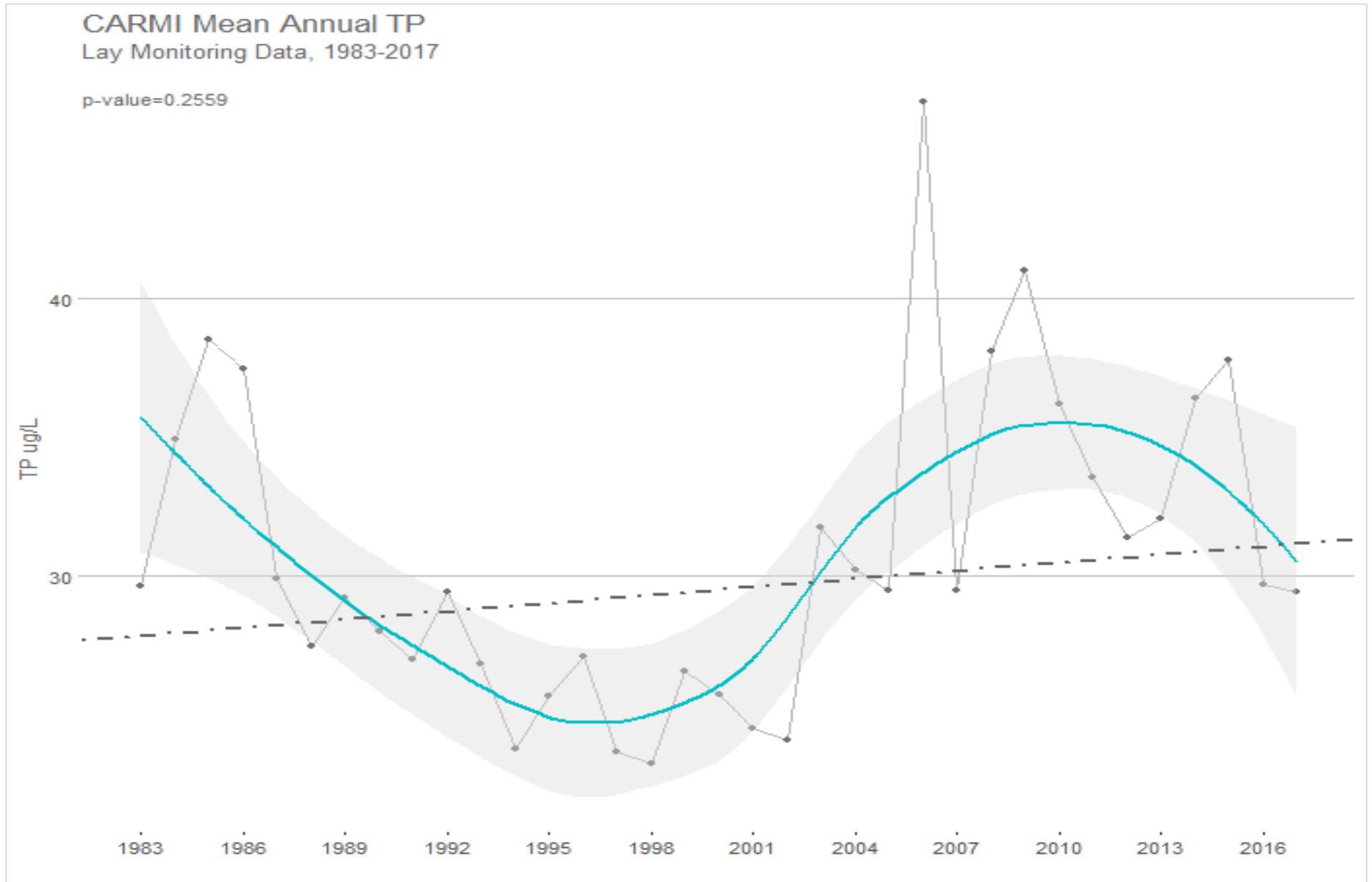


Figure 2. Lake Carmi Lay Monitoring mean annual total phosphorus (TP) trend analyses with smooth trend line.