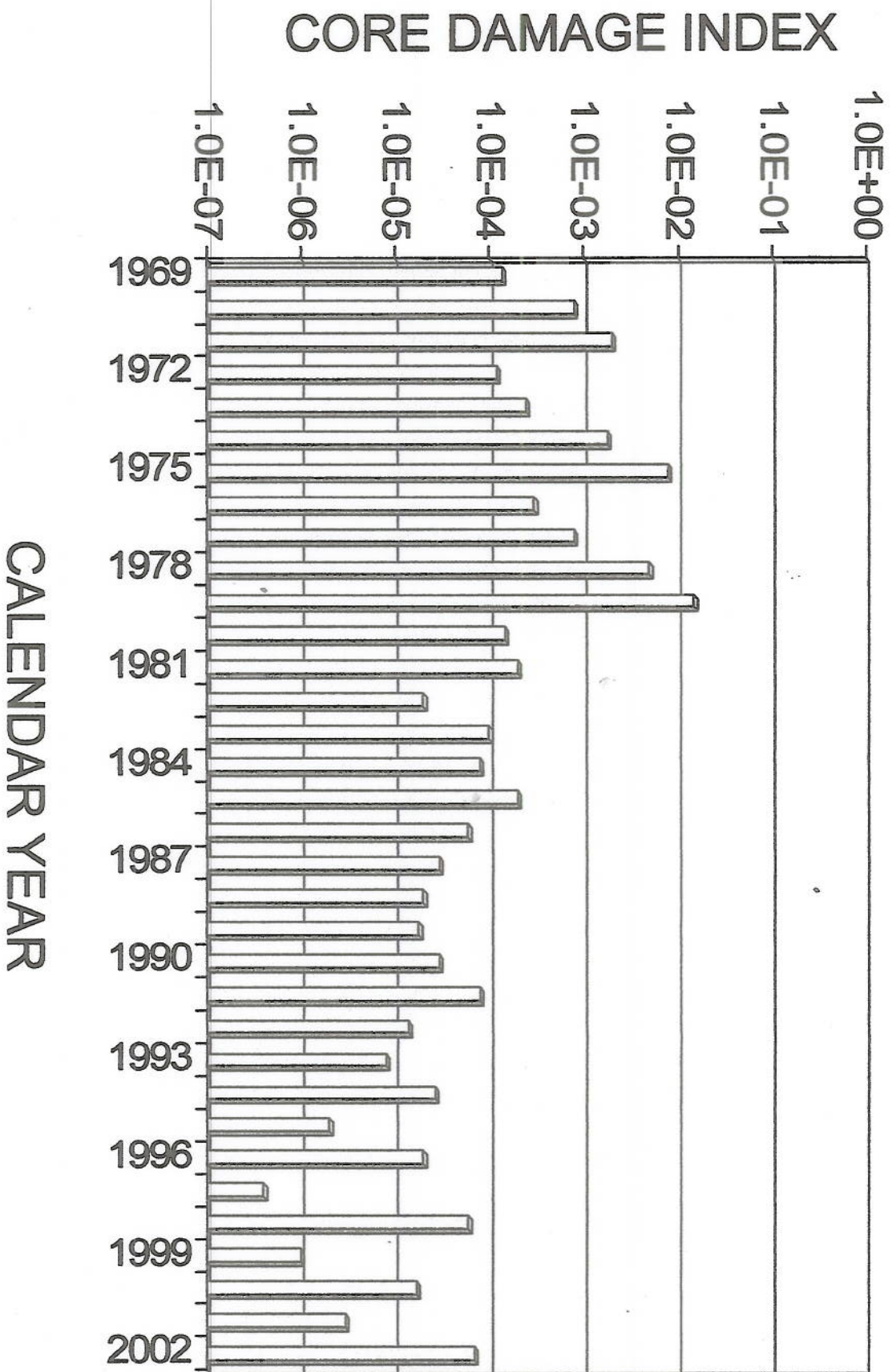


Annual Core Damage Indices



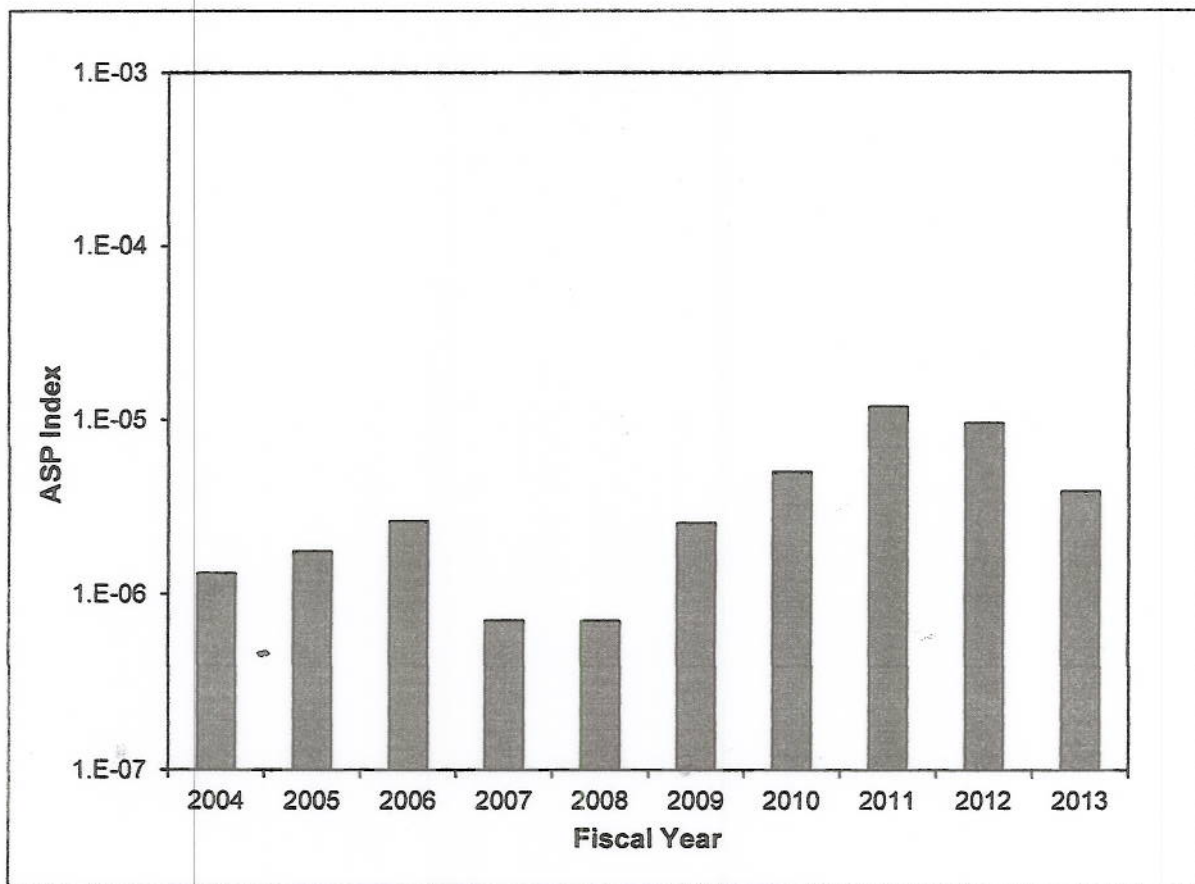


Figure 9. Integrated ASP index for the 10-year period from FY 2004 through FY 2013.

- Precursors over the period from FY 2004 through FY 2013 made the following contributions to the average integrated ASP index:
 - The average integrated ASP index was derived considering the contributions of the 157 precursors during this period.
 - The number of precursors was a little higher than typical in FY 2011 and a little lower than typical in FY 2012. However, the value of this index is relatively high in both FY 2011 and FY 2012 because of the increase in precursors with a CCDP or Δ CDP greater than or equal to 1×10^{-4} , which tends to drive the indicator to a much greater degree than the number of precursors. The staff considers that from a broad industry risk perspective, this increase is not significant.

Limitations. Using CCDPs and Δ CDPs from ASP results to estimate CDF is challenging because (1) the mathematical relationship between CCDPs, Δ CDPs, and CDF requires a significant level of computation, (2) data for the frequency of occurrence of specific precursor events are sparse, and (3) the assessment must also account for events and conditions that did not meet the criteria to be considered an ASP precursor (such as low-risk events including, but not limited to, balance-of-plant failure events).

The integrated ASP index provides the contribution of risk (per fiscal year) resulting from precursors and cannot be used for direct trending purposes because the discovery of