FILTERING

Zero-phase time variant digital filtering was then applied to the data to produce the final sections. The filters used were determined from a set of filter comparisons run on the data to determine the best filters for each time zone. The filters used were designed to have 14 db slopes on both the low and high side and the operators were of 50 points in length. A taper or transition zone of 400 ms. was employed at each filter change.

As a result of the filter comparisons, the filters used on the final sections were as follows:

Time	Band Pass (70% points)
0 - 1.2 seconds	10 - 50 cps
1.2 - 5.0 seconds	9 - 45 cps

Plots of the amplitude spectrum of these filters are included with this report.