## CEUS Charleston Logic Tree

| Attenuation \| | 1886 | Recurrence | \| Characteristic |
| :---: | :---: | :---: | :---: |
| Relation | Rupture Model | Interval | \| Magnitude |
| Toro et al. 1997 | (Added post 2002) |  |  |
| 0.25 |  |  |  |
| Atkinson |  |  |  |
| \& Boore | N20E Oriented |  |  |
| 1995 | Faults in a Source Area |  |  |
| 0.25 |  |  | M 7.5 |
|  | Frankel |  | 0.15 <br> M 73 |
| Frankel et al. 1996 | 0.50 |  | 0.45 |
|  |  | 485* $\exp ( \pm .50)$ y | M 7.1 |
|  | Zone of River Anomalies | Continuous | 0.20 |
| 0.25 |  |  | M 6.8 |
|  | 0.50 |  | 0.20 |
| $\begin{aligned} & \text { Campbell } \\ & 2001 \end{aligned}$ |  |  |  |
| 0.125 |  |  |  |
| Somerville et al. 2001 |  |  |  |
| 0.125 |  |  |  |

## CSZ Alternative Sources



## 2\% in 50y 0.2 s Sa Hazard Map

Frankel et al., 1996


## 2\% in 50y 0.2 s Sa Hazard Map

Frankel et al., 2002


