

Restoration Point









Seattle fault uplift





- ~ 6 km subsidence in 15 million years implies about 500 m/million years offset on the Seattle Fault.
- If each big earthquake moved the fault 5 m, there must have been 100 events in the last million years.
- This implies one event every 10,000 years.





Figure 1. Location map

West Point Sewage Treatment Plant construction excavation





"Snags" in Lake Sammamish: 1100 years old









Conclusions

- An event that would have had catastrophic consequences occurred about 900 AD.
- Individual faults have long recurrence times (1000's of years).
- Many active faults are known and more are being identified.
- Jury still out on how often we can expect a devastating crustal quake.