

BULLETIN

News from *SubTerra, Inc.*®

Environmental Permitting Issues at the Duvall Rock Quarry Duvall, Washington

*The Duvall Rock Quarry site is located about two miles north of the city of Duvall in King County, Washington. The 80-acre site has the potential to produce one million tons of rock annually over a fifty-year period. **SubTerra, Inc.**, was asked to assist in the environmental permitting process.*

SubTerra contracted to prepare supporting documentation for elements of an Expanded State Environmental Policy Act (SEPA) Checklist. The requested materials included a complete blast and vibration study, a detailed analysis of local geology, and concise rock characterization for use in economic evaluation and future environmental studies.



The blasting and vibration study included a thorough evaluation of the potential impacts of blasting on:

- Water quality and quantity;



- Nearby homes and structures;
- Area residents;
- Fish and wildlife.

The study also included:

- Analysis of the potential for flyrock, and mitigation measures;
- Blast-related noise impacts.

Evaluation of the local geology and rock characterization involved:

- Detailed geologic mapping to determine structural and stratigraphic data;
- Rock quality evaluation;
- Rock size evaluation; and,
- Effect of rock quality on ground water migration.