



Spirit Lake Alternatives with Icons: A map of Mount St. Helens and the Project Area for the Spirit Lake Outflow Safety Improvement Project. The locations of the action alternatives are shown on the map using text and icons that represent each alternative. The icons are placed above the label for the alternatives, and arrows point to the location of the alternative on the map. These include Alternatives 2, 3, and 4, which would all modify the existing tunnel; Alternative 5, which would drill a new pressurized tunnel parallel to the existing tunnel; Alternative 6, which would mechanically excavate a large open channel draining to the North Fork Toutle River; Alternative 7, which would lead to the formation of a natural channel that would drain to the North Fork Toutle River; Alternative 8, which would install a buried conduit pipe to drain water from Spirit Lake west towards the North Fork Toutle River as-needed; and Alternative 9, which would rely on the storage capacity of Spirit Lake.