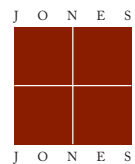




# Cedar River Watershed Education Center

## Cedar Falls, Washington

The Cedar River Watershed is the primary source of drinking water for Seattle. Ninety thousand acres of the upper river basin, managed by Seattle Public Utilities, has been designated as an ecological reserve. The 10,000 square foot education center's 4-acre site is located immediately adjacent to the watershed to interpret and ensure the future protection of this precious resource.



Jones & Jones  
Architects and Landscape Architects, Ltd.  
105 South Main Street  
Seattle WA 98104-2578  
206 624 5702 · fax 624 5923  
www.jonesandjones.com  
info@jonesandjones.com

integrating natural systems and human infrastructure... reciprocal systems that are evident and understandable



...a testament that we can repair, restore, and revitalize the ecosystem

- living roofs—the role of soil and plants in water retention and their inherent filtering capacity
- created stream teaches how water flows and symbiotically hosts plants and animals
- native plant communities reveal processes essential to naturally purify water in the hydrologic cycle
- celebrating rain



...learning to give back when we take

designing places for guided discoveries and self-adventure... increasing the ecological literacy of the future caretakers of our water resource

- buildings are profoundly connected to their place, offering a genuinely enriching experience
- connecting our resources with their habitat: our water is their home
- creating a habitat: buildings that give back when they take
- promoting an interface with the natural phenomena being interpreted
- art abstracts principles of nature and mirrors them back with unexpected surprises



the entire site is an exhibit... it's all about water



water cycles that are significant ecologically and culturally... wood respectfully harvested for human use while maintaining the ecological integrity of the forest as a sustaining natural and cultural resource

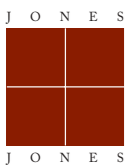


local, natural materials resonate with place...



- recycled plastic and wood fiber decking
- 25% fly-ash concrete
- salvage logs from the watershed for benches and light bollards
- nature's palette paints the story of water
- 98% third-party certified wood: windows, doors, framing, trusses, plywood, sheathing, siding, casework, trim





owner: Seattle Public Utilities  
 public artist: Dan Corson  
 general contractor: Berschauer Phillips Construction Co.  
 structural engineer: Pai Lin Engineering  
 mechanical engineer: de Montigny Engineers  
 civil & sanitary engineer: Anne Symonds & Associates  
 electrical engineer: Coffman Engineers

*right-size structures house flexible adaptable spaces that serve multiple purposes...cycles of growth and decay teach that*

*water: it's all about cycles of reciprocity...*



- low-tech user-operated ventilation systems
- the structure is the finish material
- low toxic clear water-based finishes and paints
- minimally processed materials



*the buildings breathe with quality air*



*By teaching the profound interaction between the natural world and human needs, the center expresses a promise that with ever-expanding knowledge, the right values, and commitment, we can live in fulfilling and ecologically just ways.*



- waterless urinals reduce infrastructure and reserve water for riparian ecosystems
- minimal disturbance of native vegetation
- organic waste processed on-site
- salvaged woody debris is habitat and food
- durable materials can be re-used
- design for disassembly
- local species of wood with minimal processing decays naturally when its useful life is over
- component dimensioning to minimize waste



- sheltering: rain-protected walkways and porches enhance the interface of indoor interpretation and outdoor discoveries
- mastic cellulose insulation
- advanced framing and insulated headers
- exposed ceiling framing with expanded polystyrene panels eliminate thermal bridging
- insulated fly-ash concrete floors provide mass
- welcoming daylight and natural ventilation through user-operated wood windows
- simple, efficient heating systems



*energy...investments in quality building envelopes*

*waste is food...nature is complex, messy, and elegantly organized*



**Cedar River Watershed Education Center**  
*Cedar Falls, Washington*