

40% of materials regionally extracted

94% of project waste diverted from landfill

57% of materials regionally manufactured

Girl Scouts Totem Council Camp River Ranch Carnation, Washington

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|-------------------------|-----------------------------|
| Completion: | June 2005 |
| Project size: | 16,942 sf |
| Owner: | Girl Scouts - Totem Council |
| Architecture: | GGLO |
| Interior Design: | GGLO |
| Contractor: | W.G. Clark |
| Civil Engineer: | SvR Design Company |
| Landscape Architecture: | SvR Design Company |
| Structural Engineer: | Swenson Say Faget |



LEED® CERTIFIED

for New Construction
certification awarded June 2006

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|-------------------------------|-----------|
| LEED Points: | 27 |
| Sustainable Sites: | 7 of 14 |
| Water Efficiency: | 3 of 5 |
| Energy & Atmosphere: | 3 of 17 |
| Materials & Resources: | 4 of 13 |
| Indoor Environmental Quality: | 7 of 15 |
| Innovation in Design: | 5 of 5 |

LEED® CREDIT HIGHLIGHTS

Sustainable Sites

- SS 4.2 Bike storage with changing facilities
- SS 5.1 Conserve natural areas by concentrating building footprints and construction

Water Efficiency

- WE 1.1 No potable water use for landscape and no irrigation system installed
- WE 2 All wastewater is treated on-site

Energy & Atmosphere

- EA 4 HVAC system contains no ozone depleting refrigerants

Materials & Resources

- MR 2.1 94% of construction waste, 63 tons, was diverted from the landfill
- MR 5.1 57% of materials regionally manufactured, 40% of materials regionally sourced and manufactured

Indoor Environmental Quality

- EQ 3.1 Construction air quality management plan protected absorptive materials and systems from contamination
- EQ 4.2 Low VOC paints and carpet
- EQ 5 Indoor measures provided to minimize occupant exposure to potentially hazardous particulates and pollutants
- EQ 8.1 Large operable windows provide daylight, expanded views and decrease use of electric lighting



Background

A major goal of the Girl Scout's master planned camp expansion was to "best utilize the natural attributes of Camp River Ranch in a way that preserves its health and integrity". River Ranch is a beautiful, heavily-wooded site including Lake Langlois, exemplifying the perfect natural setting and quality outdoor experiences for which the Girl Scouts are known. The GGLO design team's motto comes from the traditional hiker's "leave no trace" ethic, using a light touch throughout site development and building design. This commitment is demonstrated in the camp's achievement as the first scout camp to achieve LEED certification in Washington.

Sensitive Site Solutions

- Existing roads used rather than building new ones
- Forest duff and native plants preserved for reuse
- Clustered buildings minimize impact and preserve natural setting
- Rock cisterns, pervious surfacing and direct infiltration landscaped swale for parking area runoff manage stormwater and protect Lake Langlois

Conserving Water & Energy

- Native plant materials require no irrigation
- Skylights and light tubes enhance daylighting
- Low voltage and fluorescent fixtures/lamps reduce electricity use
- 20% more ceiling insulation than required by code and flow-through/cross ventilation for all structures keeps buildings cool in summer
- Low wall vents in addition to roof and gable vents eliminate need for shower house mechanical exhaust

Better Materials & Indoor Environment

- Locally harvested materials including framing lumber, stone, gravel and wood flooring as well as locally manufactured materials reduce transportation impacts and support the local economy
- Renovation and reuse of existing structures combined with salvaged and refurbished material use, reduces demand on virgin materials
- Low VOC carpet and paints improve indoor air quality
- Strict construction practices combined with a flush-out of spaces before occupancy reduces harmful contaminants from entering the air campers breathe
- Extensive use of daylighting and enhancement of views connects campers to their environment and reduces the need for electric lighting
- Thru-wall make-up air assures adequate bath and kitchen ventilation