

Valued Components



Valued components (VCs) are defined as environmental and social features that may be affected by a project and that have been identified to be of concern by the proponent, government agencies, Indigenous peoples or the public.

Our VCs have been informed by baseline studies of the site, other EAs at the Chalk River site, input shared by Indigenous communities and the public to date, and the scope of factors for the EA.

Thank you for your feedback. This has helped us confirm the list of VCs shown as we move forward in the EA process.

Physical Environment

- Geology and Soil
- Groundwater Quality and Quantity
- Surface Water Quality and Quantity
- Air Quality
- Greenhouse Gas Emissions
- Noise



Chalk River site

Some Valued Components (VCs) represent pathways (in orange) to affect other VCs (in blue)



Eastern Whip-poor-will

Bio-physical Environment

Aquatic Environment

- Fish communities
- Fish habitat
- Species of conservation concern

Terrestrial Environment

- Vegetation communities
- Migratory birds
- Blanding's Turtle
- Bats
- Monarch Butterfly
- Eastern Milksnake
- Canada Warbler
- Eastern Whip-poor-will
- Eastern Wood-pewee
- Golden-winged Warbler
- Wood Thrush

Human Environment

Human and Ecological Health

- Exposure potential to indicator species and groups:
 - Nuclear (radiological)
 - Hazardous (non-radiological) substances

Land and Resource Use

- Land and resource use tenures
- Outdoor recreation and tourism
- Archaeological sites

Socioeconomics

- Population and diversity
- Labour market
- Economic development
- Government finance
- Housing and accommodations
- Services and infrastructure
- Community character and image
- Quality of life
- Public safety and safety of Indigenous communities

Interests of Indigenous People

- Land and resource use
- Focal areas for traditional use activity
- Cultural sites