

WHAT ARE THEY?

Valued components (VCs) are 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.

They fall into 3 categories: Physical environment, Bio-physical environment, and Human environment.



BIO-PHYSICAL ENVIRONMENT

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

Aquatic environment

- Fish communities
- Fish habitat
- Species of conservation concern

PHYSICAL ENVIRONMENT

These VCs represent pathways that affect the VCs under the Human Environment and Bio-physical Environment categories

Geology & soil	Air quality
Groundwater quality & quantity	Greenhouse gas emissions
Surface water quality & quantity	Noise

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

Indigenous land use & Indigenous knowledge

- Land and resource use for traditional practice of Indigenous rights (including harvesting, cultural sites and practices)

THANK YOU FOR YOUR FEEDBACK

It has helped us confirm the list of valued components you see in this list, as we move forward with the environmental assessment process.

Little brown myotis (bat)

