St. Theresa Point Adelaide McDougall Memorial Health Facility Permaculture Design



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WHAT IS PERMACULTURE?

Permaculture is a whole-systems design approach based in Indigenous methods to design natural and human systems that benefit and teach others, regenerate the earth, and promote equal distribution of resources (Morrow, 2006).

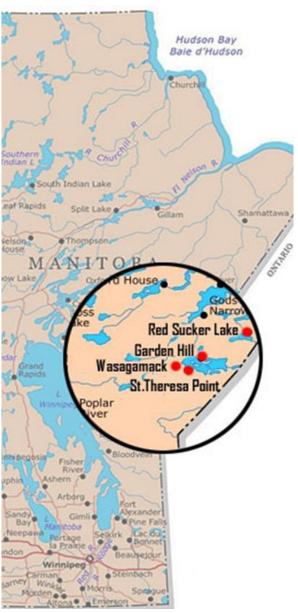
Care for earth, care for people, and share the surplus

DESIGN PROCESS

- Vision Statement
- Analysis of climate, land, sectors
- Capital assessment
- Permaculture strategies and techniques
- Final Design



ST. THERESA POINT





VISION STATEMENT

REVITALIZE CULTURE AND CONTRIBUTE TO FOOD SECURITY THROUGH LOCAL FOOD PRODUCTION AND EDUCATION

VISION

St. Theresa

- Youth are not interested in gardening
- Diet high in processed foods providing poor nutrition
- Low use of Oji-Cree among community members



Google Earth Image of St.Theresa Point Adelaide McDougall Memorial Health Facility

VISION

St. Theresa in the Future

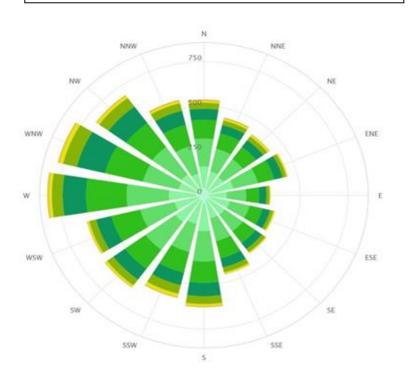
- •Improved access to healthy, fresh food; decreased reliance on packaged, processed foods
- •Community members have knowledge and skills in ecological farming
- Mentorship and skill building for youth
- •Language revitalization in community
- More community members involved in gardening



Permaculture design of the St. Theresa Point Health Center

CLIMATE ASSESSMENT

Figure 4: Average Wind Direction and Speed St. Theresa Point First Nation (Meteoblue, 2017)



meteoblue

>61 km/h

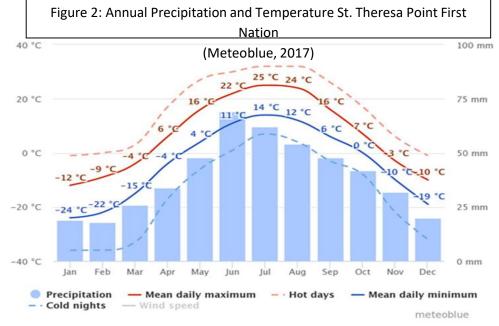
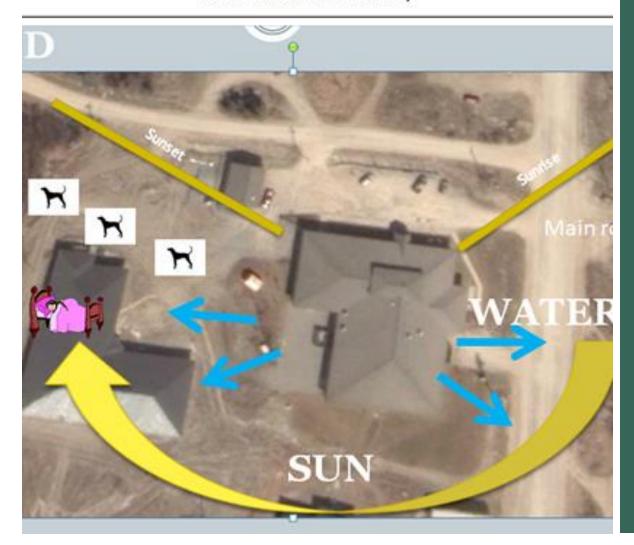


Figure 6: Sector Analysis of St. Theresa Point Adelaide McDougall

Memorial Health Facility



SECTOR ANALYSIS





PRINCIPLES

- I) Obtain a Yield
- 2) Observe and Interact
- 3) Catch and Store Energy
- 4) Use and Value Diversity

DESIGN STRATEGIES

- I) Increase soil fertility
- 2) Water catchment
- 3) Wind and dust mitigation
- 4) Extend growing season
- 5) Social space
- 6) Education- food and language
- 7) Diversity- plants and humans

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