

# Salt Spring Island

*Complete Communities Assessment*



## Map Book Figure Details

### Salt Spring Island Complete Communities Assessment

## Introduction

The Complete Communities initiative aims to create a holistic and sustainable approach to community planning and development, focusing on various aspects of life that contribute to the overall well-being and functionality of a community. By analyzing multiple indicators across different domains such as Population and Demographics, Housing and Accommodation, Proximity and Accessibility, Transportation and Mobility, and Utilities and Infrastructure, the initiative seeks to ensure that communities are well-equipped to meet the diverse needs of their residents.

Key indicators have been identified and categorized to provide a detailed understanding of the current state of various elements within the community. These indicators cover a wide range of factors, from educational attainment and employment demographics to housing characteristics and accessibility to essential services. By examining these indicators, planners and policymakers can identify strengths, weaknesses, and opportunities for improvement within the community.

The domains and indicators are structured to provide insights into specific areas like bike lane density, commuting patterns, proximity to essential amenities, ecosystem health, and the availability of critical infrastructure. This approach ensures comprehensive community life considerations, promoting balanced and integrated development. Additionally, these indicators align with broader sustainability and resilience goals, making communities not only livable but also capable of withstanding environmental challenges. The inclusion of geographic and environmental features such as groundwater recharge potential, tsunami risk, and wildfire risk emphasizes the importance of environmental considerations in planning.

Overall, the Complete Communities initiative represents a forward-thinking and inclusive approach to urban and rural development, aiming to create vibrant, sustainable, and resilient communities that cater to the needs of all residents.

# Indicator Descriptions

## Population and Demographics

### 1-1 - Education Distribution of Population

**Category:** Education

#### Figure Description

This figure represents the distribution of the population based on their highest level of education attainment, field of study for post-secondary education, and school attendance (full-time or part-time).

#### Data Description

Data is sourced from the census, covering various educational metrics to provide a comprehensive view of educational attainment across different demographics.

### 1-2 - Employment Demographics

**Category:** Employment

#### Figure Description

This figure outlines the employment demographics, including occupation types and industry sectors.

#### Data Description

Census data detailing employment sectors, types of occupations, and demographic employment characteristics.

### 1-3 - Employment Demographics: Employed vs Unemployed by Age Distribution

**Category:** Employment

#### Figure Description

This figure shows the distribution of employed and unemployed individuals by age group.

## Data Description

Census data on labor force participation rate, employment rate, and unemployment rate segmented by age groups.

## 1-4 - Housing Characteristics

Category: Housing Characteristics

### Figure Description

This figure presents various housing characteristics such as the total number of private dwellings, number of occupied private dwellings, dwelling types, tenure, period of construction, and shelter costs.

## Data Description

Census data provides insights into various aspects of housing.

## 1-5 - Family and Household Characteristics

Category: Population

### Figure Description

This figure depicts family and household characteristics, including household size and composition, family structure, number of children at home, and marital status.

## Data Description

Census data on family dynamics and household compositions.

## 1-6 - Income (Census)

Category: Population

### Figure Description

This figure details the income distribution, including median household income, average household income, distribution of income levels, and prevalence of low-income households.

## Data Description

Income-related data from the census.

## 1-7 - Mobility and Migration

Category: Population

### Figure Description

This figure highlights population mobility, including the number of people who moved within the last year or five years and their previous place of residence.

## Data Description

Census data on population movements and migration patterns.

## 1-8 - Population by Dissemination Block/Detailed Mapping of Population Distribution by Area

Category: Population

### Figure Description

This figure provides a detailed mapping of population distribution at the dissemination block level.

## Data Description

Total population count from the census, presented spatially.

## 1-9 - Total Distribution of the Population by Broad Age Groups

Category: Population

### Figure Description

This figure shows the distribution of the population across different age groups.

## Data Description

Census data segmented by age groups.

## Housing and Accommodation

### 2-1 - Percent of Households Spending 30% or More of Income on Shelter Costs/Condition of Rental Housing

Category: Housing Characteristics

#### Figure Description

This figure represents the percentage of households spending 30% or more of their income on shelter costs, including details on the condition of rental housing.

#### Data Description

Census data detailing shelter costs and housing conditions.

### 2-2 - Percent of Private Dwellings that are Rental/Condition of Rental Housing

Category: Housing Characteristics

#### Figure Description

This figure shows the percentage of private dwellings that are rental properties and their conditions.

#### Data Description

Census data on rental housing tenure and condition.

### 2-3 - Percent of Tenant Households in Subsidized Housing/Condition of Rental Housing

Category: Housing Characteristics

#### Figure Description

This figure depicts the percentage of tenant households living in subsidized housing and the condition of these rental properties.

#### Data Description

Census data on subsidized housing and rental conditions.

## 2-4 - Proportion of Home Occupation

Category: Housing Characteristics

Figure Description

This figure represents the proportion of homes used for occupations.

Data Description

Census data on home occupations.

## 2-5 - Housing Density – Dwelling Density per Square Kilometer

Category: Housing Distribution

Figure Description

This figure shows the density of dwellings per square kilometer.

Data Description

Total number of private dwellings from the census, used to calculate density.

## 2-6 - Housing Density – Population Density per Square Kilometer

Category: Housing Distribution

Figure Description

This figure represents the population density per square kilometer.

Data Description

Total population count from the census, used to calculate density.

## 2-7 - Proportion and Location of Seniors' Accommodation

Category: Housing Distribution

Figure Description

This figure details the proportion and location of accommodations specifically for seniors.

## Data Description

Census data on age demographics combined with information on assisted living, retirement homes, and long-term care facilities.

## 2-8 - Dwelling Tenure Types

Category: Housing Type

### Figure Description

This figure represents different dwelling tenure types, such as owner-occupied vs. rental housing.

## Data Description

Census data on housing tenure.

## 2-9 - Proportion of Multi-Unit Housing (Existing/Permitted)

Category: Housing Type

### Figure Description

This figure shows the proportion of multi-unit housing that exists and is permitted.

## Data Description

Census data on dwelling types, including single-detached houses and apartments.

## 2-10 - Total Occupied Private Dwellings by Period of Construction

Category: Housing Type

### Figure Description

This figure represents the total number of occupied private dwellings segmented by their period of construction.

## Data Description

Census data on the construction period of dwellings.

## 2-11 - Total Occupied Private Dwellings by Structural Type of Dwelling

Category: Housing Type

Figure Description

This figure shows the total number of occupied private dwellings by structural type.

Data Description

Census data on dwelling types.

## Proximity and Accessibility

### 3-1 - Bus Stops

Category: Accessibility to Key Amenities

#### Figure Description

This figure shows the distribution of bus stops across the area.

#### Data Description

Data on the locations of bus stops.

### 3-2 - Cafes, Restaurants, and Bars

Category: Accessibility to Key Amenities

#### Figure Description

This figure depicts the locations of cafes, restaurants, and bars.

#### Data Description

Data on the locations of these amenities.

### 3-3 - Childcare Facilities/Proximity to Child Care Services

Category: Accessibility to Key Amenities

#### Figure Description

This figure represents the locations of childcare facilities and their proximity to residences.

#### Data Description

Data on childcare service locations.

### 3-4 - Cultural and Arts Facilities & Community Halls

Category: Accessibility to Key Amenities

## Figure Description

This figure shows the distribution of cultural and arts facilities, including community halls.

## Data Description

Within the Arts & Culture layer, there are currently three community halls being The Central Community Hall Society, Fulford Community Hall Association, and Beaver Point Hall. There is one Legion, being the Royal Canadian Legion Branch 92. There are also fifteen different studio and workshop locations that can be categorized under the Arts category, as they offer hands-on education and creative expressive services to the public community. These studios include activities such as painting, creative forging, glass studios, pottery, and weaving.

## 3-5 - Grocery Stores

Category: Accessibility to Key Amenities

## Figure Description

This figure depicts the locations of grocery stores.

## Data Description

Data on grocery store locations.

## 3-6 - Healthcare Facilities

Category: Accessibility to Key Amenities

## Figure Description

This figure shows the distribution of healthcare facilities.

## Data Description

The Healthcare layer includes a wide distribution of walk-in medical clinics, dentists, pharmacies, mental health service, psychologists, physiotherapy, optical and hearing services, and the hospital, across Salt Spring Island. There are twenty-six points of interest total falling under Healthcare.

## 3-7 - Physical Health and Wellness

Category: Accessibility to Key Amenities

### Figure Description

This figure represents the locations of physical health and wellness facilities, such as gyms and yoga studios.

### Data Description

Data on locations of physical health and wellness services.

## 3-8 - Proximity to Outdoor Recreation (Open Space, Parks, and Trails)

Category: Accessibility to Key Amenities

### Figure Description

This figure shows the proximity of residences to outdoor recreational spaces, parks, and trails.

### Data Description

Data on the locations of parks, open spaces, and trails.

## 3-9 - Recreational Facilities

Category: Accessibility to Key Amenities

### Figure Description

This figure depicts the locations of recreational facilities.

### Data Description

Data on recreational facility locations.

## 3-10 - Schools/Proximity of Education

Category: Accessibility to Key Amenities

### Figure Description

This figure represents the locations of schools and their proximity to residences.

Data Description

Data on school locations.

### 3-11 - Proximity to Public Boat Launches

Category: Proximity

Figure Description

This figure shows the proximity of residences to public boat launches.

Data Description

Data on the locations of public boat launches.

### 3-12 - Public Roadways in Proximity to the Sea (Water Access)

Category: Roads

Figure Description

This figure represents the proximity of public roadways to the sea, indicating water access points.

Data Description

Data on road locations relative to the coastline.

## Transportation and Mobility

### 4-1 - Bike Lanes/Trails (Trail Network Density)

Category: Mobility

#### Figure Description

This figure shows the density and distribution of bike lanes and trails within the area.

#### Data Description

Data on the locations and density of bike lanes and trails to analyze accessibility for cyclists.

### 4-2 - Commuting Patterns for the Employed Labour Force

Category: Mobility

#### Figure Description

This figure represents commuting patterns, including the main mode of commuting, destination, and duration for employed individuals.

This figure illustrates key commuting patterns for the employed labour force aged 15 years and over. It combines data on the main modes of commuting, commuting destinations, and commuting durations. This comprehensive view helps to understand the daily travel behaviors of workers and can inform infrastructure and transportation planning.

#### Data Description

Census data on commuting behavior and patterns, including mode of transportation and average commuting times.

### 4-3 - Drive Time Estimation from Villages Related to Population Density

Category: Mobility

#### Figure Description

This figure estimates the drive times from villages to various destinations, correlated with population density.

## Data Description

Census data and local transportation data to estimate drive times based on population density.

### 4-4 - Electric Vehicle (EV) Charging Coverage and Proximity

Category: Mobility

#### Figure Description

This figure shows the coverage and proximity of electric vehicle charging stations.

## Data Description

Data on the locations of EV charging stations and their proximity to residential and commercial areas.

### 4-5 - Safe Walking Routes to Schools

Category: Mobility

#### Figure Description

This figure highlights the safe walking routes to schools.

## Data Description

Data on the availability and safety of pedestrian pathways leading to schools.

### 4-6 - Walking Time Estimation from Villages

Category: Mobility

#### Figure Description

This figure estimates the walking times from villages to key amenities and services.

## Data Description

Data on pedestrian pathways and walking times to various destinations from village centers.

## 4-7 - Proximity of Population to Ferry Terminals

Category: Proximity

Figure Description

This figure shows the proximity of the population to ferry terminals.

Data Description

Data on the locations of ferry terminals and their accessibility to the nearby population.

## 4-8 - Road Network Density per Square Kilometer/Road Junction (Intersection) Density per Square Kilometer

Category: Roads

Figure Description

This figure represents the density of the road network and road junctions per square kilometer.

Data Description

Data on the road network and junction density to analyze connectivity and accessibility.

## Utilities and Infrastructure

### 5-1 - Sanitary System Main Density

Category: Sewer

#### Figure Description

This figure shows the density of the sanitary sewer system mains.

#### Data Description

Data on the locations and density of sanitary sewer mains.

### 5-2 - Sanitary System Main Dwellings per Linear Kilometer

Category: Sewer

#### Figure Description

This figure represents the number of dwellings per linear kilometer of sanitary system mains.

#### Data Description

The density of the available data for the sanitary system, showing the distribution of sanitary services as greatest versus lowest density.

Line density refers to how concentrated or spread out a liner feature is in a given area. Imagine you are looking at a neighborhood on a map and want to see where there are more sewer lines packed closely together versus areas where they are more spread out. Line density helps highlight areas with a high concentration of sewer lines, such as densely populated urban neighborhoods, and areas where they are fewer, like rural or less developed regions. This visualization makes it easier to understand patterns in infrastructure, showing which areas have more extensive sewer networks and which might be underserved.

### 5-3 - Sanitary System Main Population per Linear Kilometer

Category: Sewer

#### Figure Description

This figure shows the population per linear kilometer of sanitary system mains.

#### Data Description

Data on population distribution relative to the sanitary sewer system.

### 5-4 - Water Main System Density

Category: Water

#### Figure Description

This figure represents the density of the water main system.

#### Data Description

Data on the locations and density of water mains.

### 5-5 - Water Main System Dwellings per Linear Kilometer

Category: Water

#### Figure Description

This figure shows the number of dwellings per linear kilometer of water mains.

#### Data Description

Data on the distribution of dwellings relative to the water main system.

### 5-6 - Water Main System Population per Linear Kilometer

Category: Water

#### Figure Description

This figure represents the population per linear kilometer of water mains.

#### Data Description

Data on population distribution relative to the water main system.

## Geographic and Environmental Features

### 6-1 - Natural Asset Protection (e.g., Forest Cover, Biodiversity)

Category: Eco

Figure Description

This figure highlights the areas of natural asset protection, including forest cover and biodiversity.

Data Description

Data on forest cover, biodiversity, and other natural assets to assess environmental conservation efforts.

### 6-2 - Residential Development Density within Marine Shore Adjacency

Category: Eco

Figure Description

This figure shows the density of residential development within proximity to the marine shore.

Data Description

Data on residential development near the marine shore to analyze coastal development impacts.

### 6-3 - Sensitive Ecosystems and Species at Risk

Category: Eco

Figure Description

This figure represents sensitive ecosystems and areas with species at risk.

Data Description

Data on sensitive ecosystems and species at risk to assess environmental vulnerability.

## 6-4 - Community Access to Intact Ecosystems

Category: Eco

### Figure Description

This figure shows the structural state of natural areas and discrepancies in ecosystem health such as Discrepancies/Intact Healthy Natural Areas (i.e., Community Access to Intact Ecosystems, Forest Ecosystem Mapping as detailed in the Contiguous Forest dataset)

### Data Description

Data on intact ecosystems and forest ecosystem mapping to assess community access and environmental integrity.

## 6-5 - Residential Development Density within Steep Slope Areas

Category: Risk

### Figure Description

This figure highlights the density of residential development in steep slope areas.

### Data Description

Data on residential development on steep slopes to analyze potential risks.

## 6-6 - Tsunami Risk

Category: Risk

### Figure Description

This figure represents areas at risk of tsunamis.

### Data Description

Data on tsunami risk zones to assess vulnerability and preparedness.

## 6-7 - Wildfire Risk

Category: Risk

#### Figure Description

This figure highlights areas at risk of wildfires.

#### Data Description

Data on wildfire risk zones to analyze vulnerability and prevention measures.

### 6-8 - Groundwater Recharge Potential

Category: Water

#### Figure Description

This figure shows the potential for groundwater recharge in various areas.

#### Data Description

Data on groundwater recharge potential to assess water resource sustainability.

### 6-9 - Precipitation Interception Potential Mapping/Water Catchment Potential (Rain Water)

Category: Water

#### Figure Description

This figure represents the potential for precipitation interception and water catchment.

#### Data Description

Data on rainwater catchment and precipitation interception to analyze water conservation opportunities.

### 6-10 - Saltwater Intrusion Maps

Category: Water

#### Figure Description

This figure shows areas affected by saltwater intrusion.

#### Data Description

Data on saltwater intrusion to assess its impact on freshwater resources.

### 6-11 - Watershed Health & Resiliency Mapping

Category: Water

#### Figure Description

This figure highlights the health and resiliency of watersheds.

#### Data Description

Data on watershed health and resiliency to analyze water resource management.

### 6-12 - Well Density Maps

Category: Water

#### Figure Description

This figure represents the density of wells in various areas.

#### Data Description

Data on well density to assess groundwater extraction and availability.