

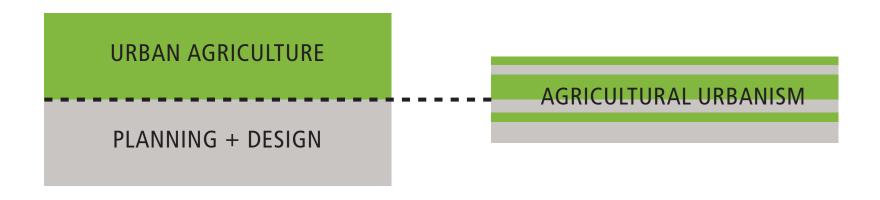
thank you!

sala mentors and profs, colleagues, friends and family

extra special thanks:

Kara Singbeil Mahsa Azari Mark Francis

seeding an urban foodculture



celebrate the growing, selling and enjoyment of local food to encourage resilience and economic growth in Squamish



THE FOOD SYSTEM

GLOBAL

The cost and impact of global food markets is too high and unsustainable

PEAK OIL
CLIMATE CHANGE
POPULATION GROWTH

REGIONAL

Industrialized agriculture marginalizes farmers, larger operations are increasingly costly to operate

CAPITALISM FREE TRADE

CITY

Local healthy food is not widely available or well distributed

PLANNING + DESIGN

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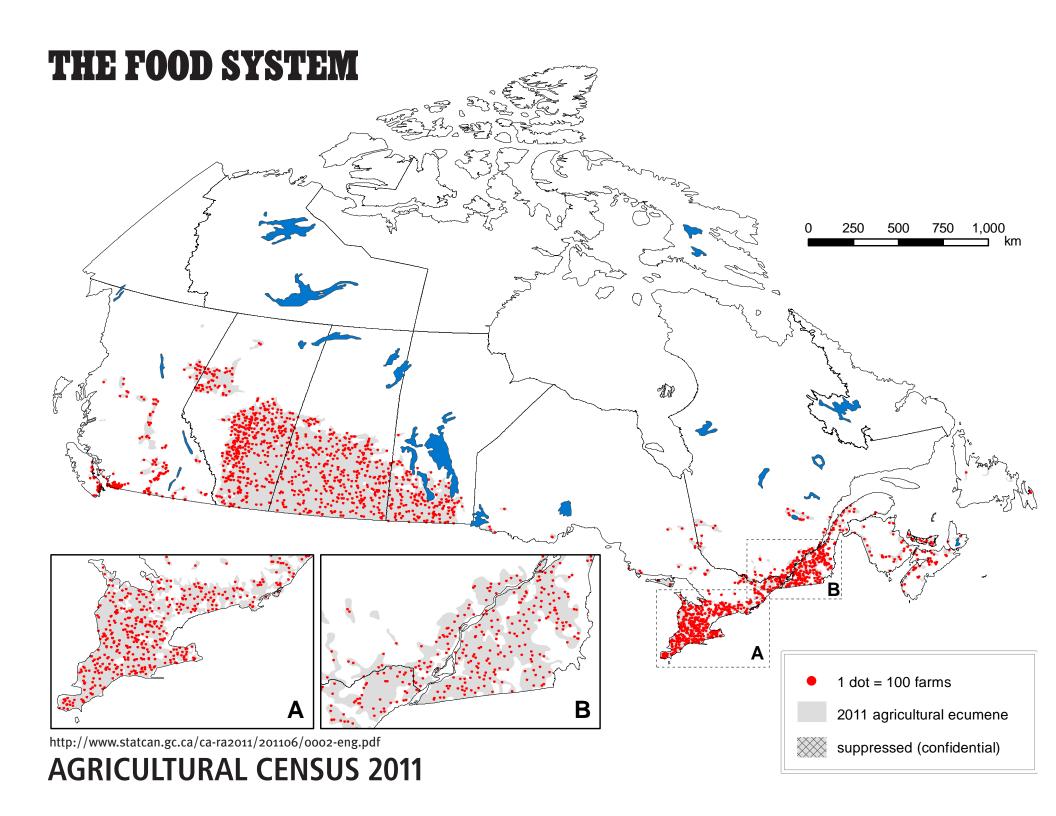
PLANNING + DESIGN

GLOBAL + REGIONAL PROBLEMS

The current food system has severely disadvantaged small-scale producers because it "is configured and operated to capture all of the value after the product leaves the farm through processing, distributing and retailing." (Mullinix, 2006)

Today farmers earn less than 8 cents of every food dollar while 50 years ago they were earning 40 cents of every food dollar.

The current food system is energy-intensive and unsustainable due to its reliance on fossil fuels, water and chemicals.



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LOCAL PROBLEMS

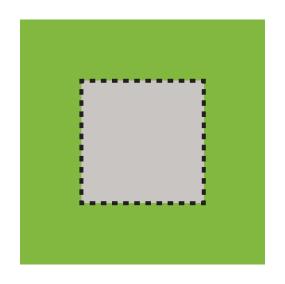
In Squamish, most food services are planned in proximity to the highway or a few major arterials

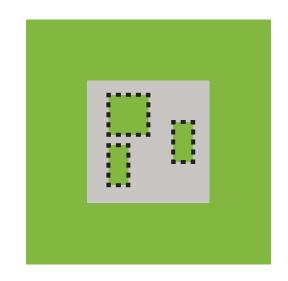
Small businesses must compete with large competitors in all aspects of food services from cafes to grocery stores

Many residents of Squamish are forced to drive to the grocery store as there are no places to buy groceries within a 5 or 10 minute walk

Access to local and regional food is limited

URBAN / AGRICULTURE

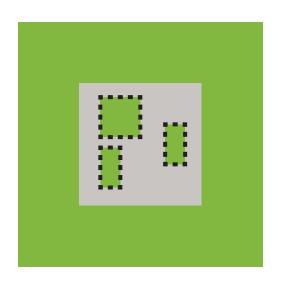




an urban divide...

new edge conditions

URBAN / AGRICULTURE



CLIMATE, GROWING CONDITIONS, SCALE
PUBLIC OPEN SPACE NETWORK
DISTRIBUTION OF CITIZENS

PROJECT GOALS

seeding an urban foodculture

LOCAL CRAFT

LOCAL FOOD

LOCAL ECONOMY

LOCAL COMMUNITY

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AN ABUNDANT REGION

POPULATION (2011): 38,171

JURIDISTICTIONAL AREA: 1,669,370 ha

AGRICULTURAL LAND RESERVE: 25,470 ha TOTAL AREA FARMED (2001): 15,155 ha

OF REPORTING FARMS: 121

AVERAGE FARM SIZE: 125 ha

FARMLAND USE

CROPS: 2,808 ha

SUMMERFALLOW: 106 ha

PASTURE (MANAGED): 1,526 ha PASTURE (UNMANAGED): 2,531 ha

OTHER: 8,184 ha

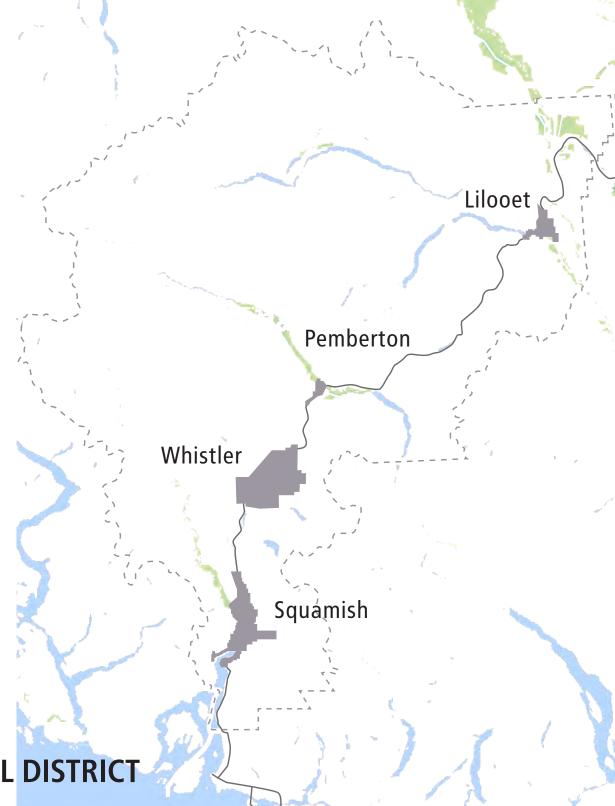
TOTAL FARM CAPITAL: \$86,399,932





http://www.al.gov.bc.ca/resmgmt/sf/agbriefs/Squamish-Lillooet.pdf

SQUAMISH-LILOOET REGIONAL DISTRICT



AGRICULTURAL CAPACITY

SOIL CLASSES

CLASS 1, 2, 3: SUITABLE FOR AGRICULTURAL CROPS CLASS 4, 5, 6, 7: SUITABLE FOR HAYING, PASTURE AND LIVESTOCK GRAZING.

SQUAMISH/PEMBERTON

DAILY MEAN TEMPERATURE (C): 9.0/6.3

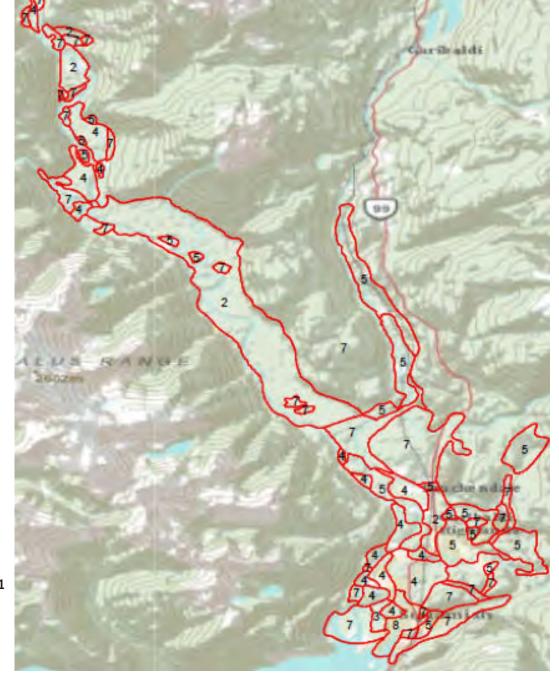
DAILY MAXIMUM TEMPERATURE (C): 13.7/11.4

NUMBER OF FROST FREE DAYS: 160-180/60-80

MEAN TOTAL PRECIPITATION (MM): 2367/1229

LAST FROST IN SPRING: MAY 1 - MAY 15/MAY 15-JUNE 1

KILLING FROST: NOV 1 - NOV 15/MAY 15-JUNE 1



http://climate.weatheroffice.gc.ca/climate_normals/index_e.html

URBAN AGRICULTURE POTENTIAL

25% Self-reliance (16a)

Asparagus

Beets

Broccoli

Brussels Sprouts

Cabbage Carrots

Garlic

Lettuce

Pak Choy

Pole Beans

Pumpkins

Snow Peas Spinach

Yellow Onions

50% Self-reliance (16a)

Broccoli

Cabbage Carrots

Garlic

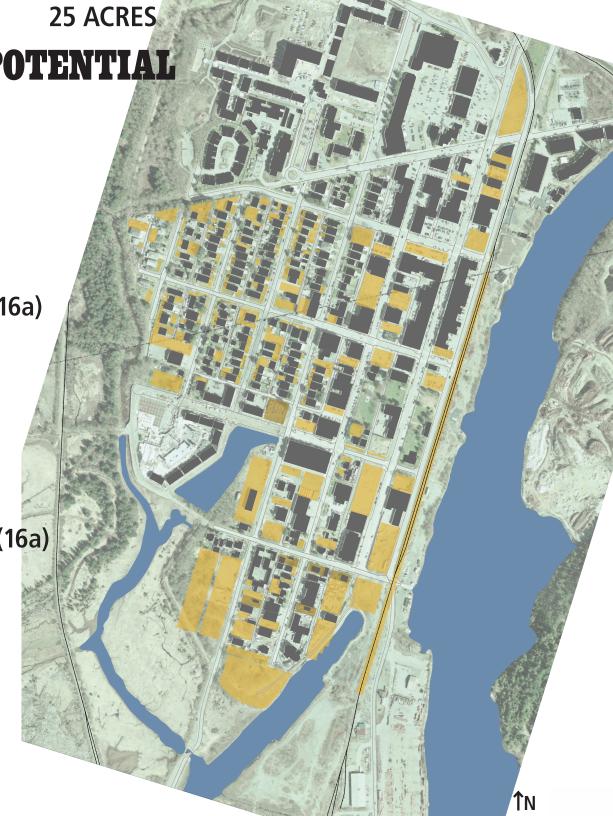
Lettuce

100% Self-reliance (16a)

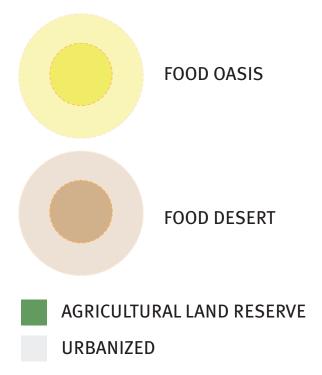
Lettuce

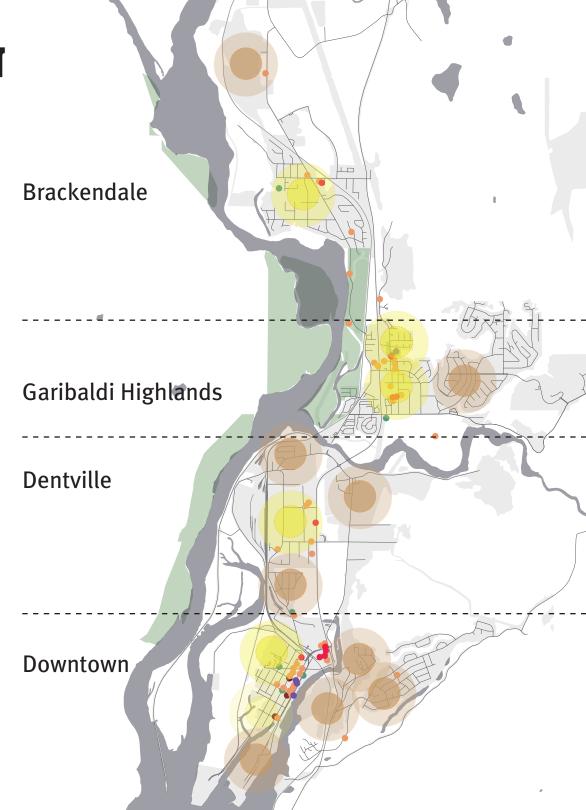
Garlic

Further 300ha of ALR lands within city boundary



UNEQUAL DISTRIBUTION

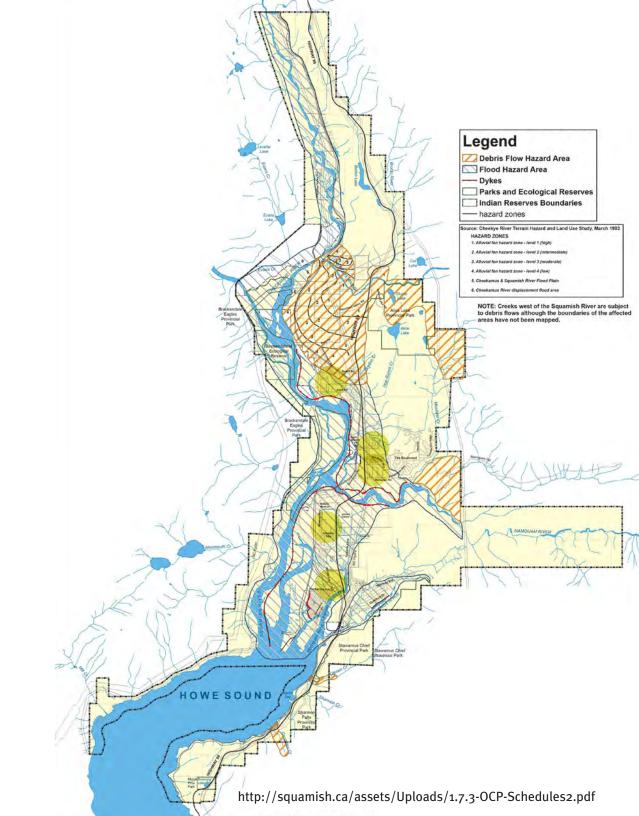




HAZARDS

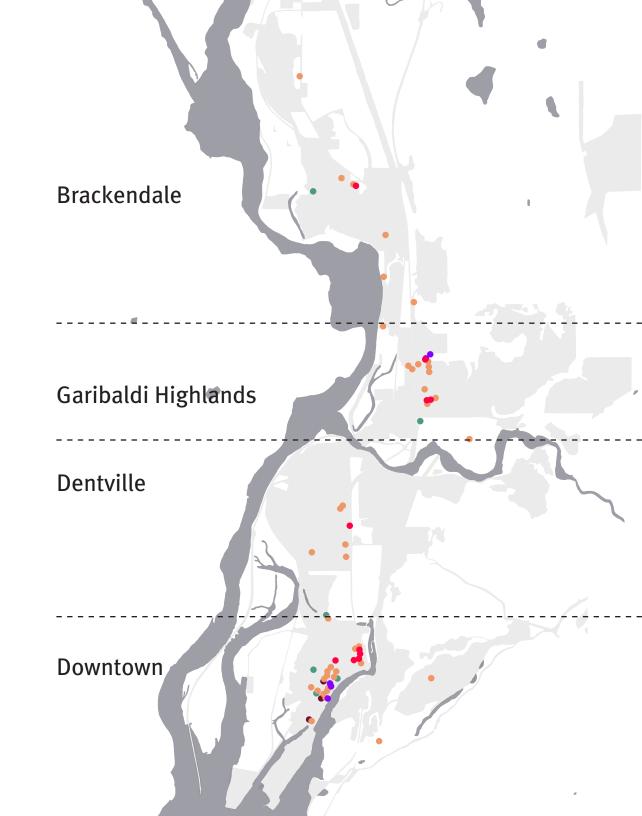
FOOD OASES

DEBRIS FLOW, FLOODS, EARTHQUAKE...



FOOD SERVICES

- GROCERY
- RESTAURANT/CAFE
- MARKET
- FOOD PROCESSING
- COMMUNITY GARDEN
- URBANIZED





BRACKENDALE GENERAL STORE

KITCHEN QUICKIES ORGANIC GROCER

M&M MEAT SHOPS

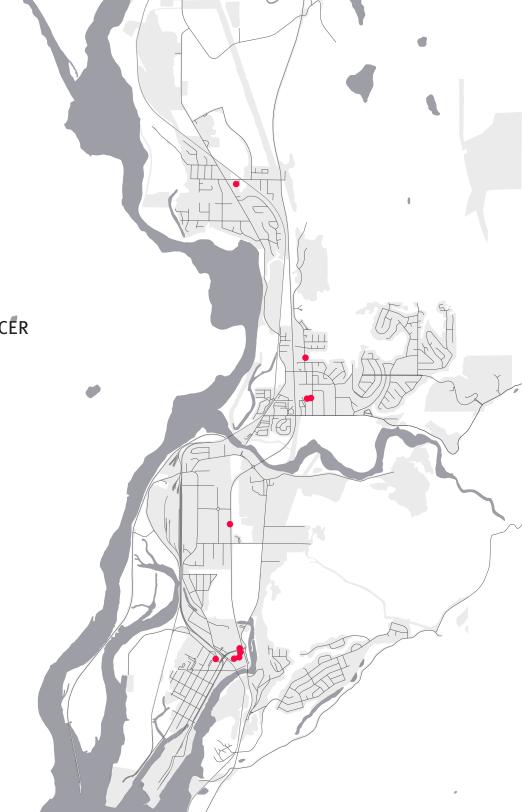
WAL-MART (8000m²⁾

7-ELEVEN

NESTERS MARKET (1600m²)

SAVE-ON FOODS (4400m²)





RESTAURANTS + CAFES

THE RED BENCH

BEAN AROUND THE WORLD

SUBWAY ESSENCE OF INDIA

SQUAMISH GOLF AND COUNTRY CLUB

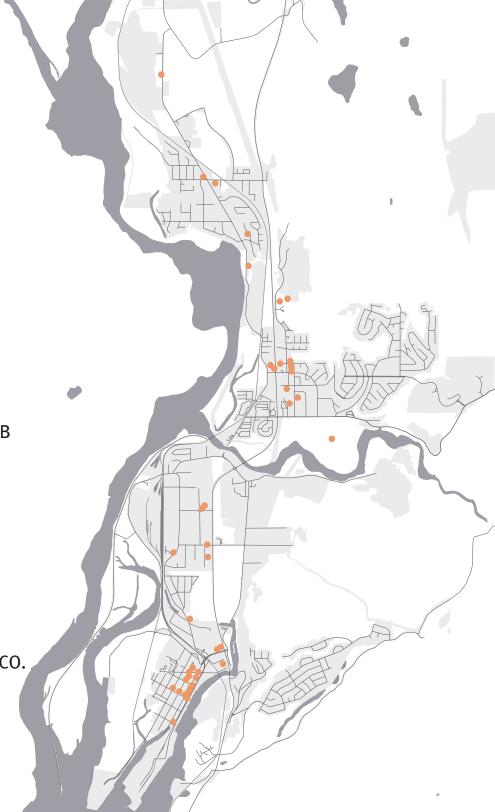
WENDYS

MCDONALDS

STARBUCKS HOWE SOUND JUICE CO.

CAMPFIRE GRILL





PROCESSING

PLANET GRAPE

THE GRATEFUL BREAD BAKERY

XOXOLATL CHOCOLATE CREATIONS

HOWE SOUND BREWERY





MARKETS + COMMUNITY GARDENS

SQUAMISH NATION YOUTH CENTRE COMMUNITY GARDEN



ROTARY CLUB COMMUNITY GARDEN
DIAMOND HEAD FISH MARKET



SQUAMISH FARMERS MARKET

IRIS PLACE COMMUNITY GARDEN NEWPORT MARKET



COMMUNITY GARDEN



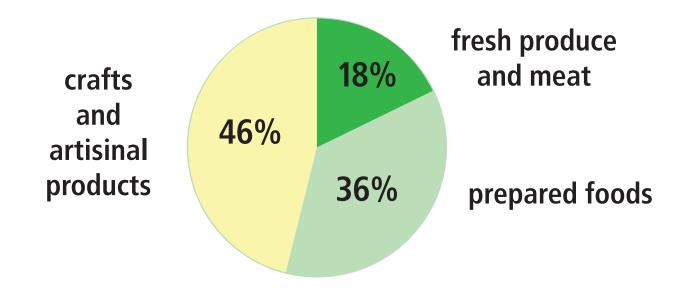




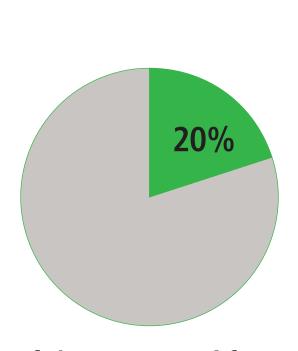




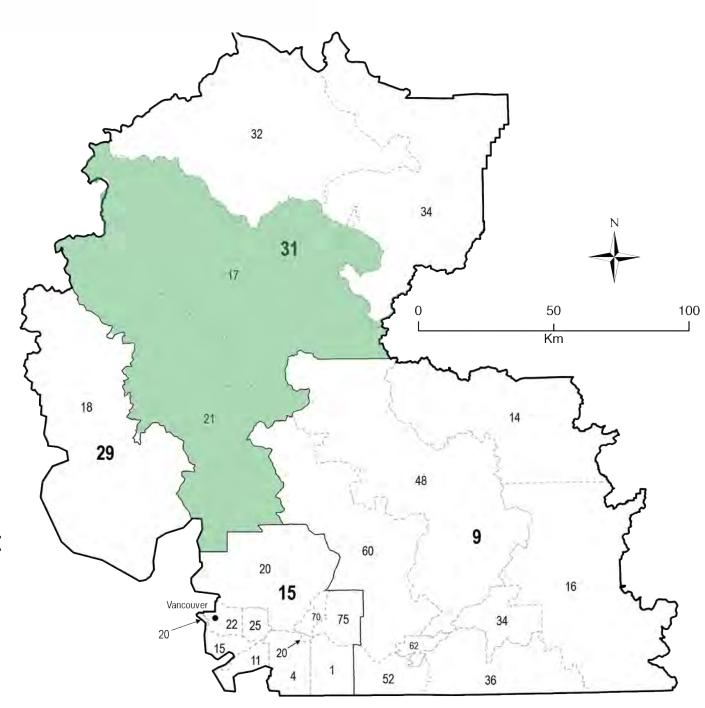
FARMERS MARKET



92 FARMS WITHIN 100 MILES



of these regional farms sell produce at the Squamish Farmers market



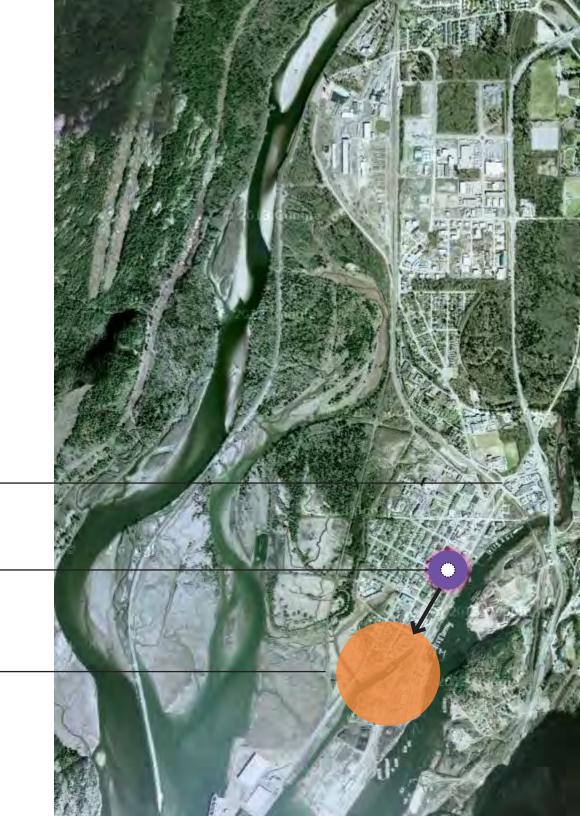


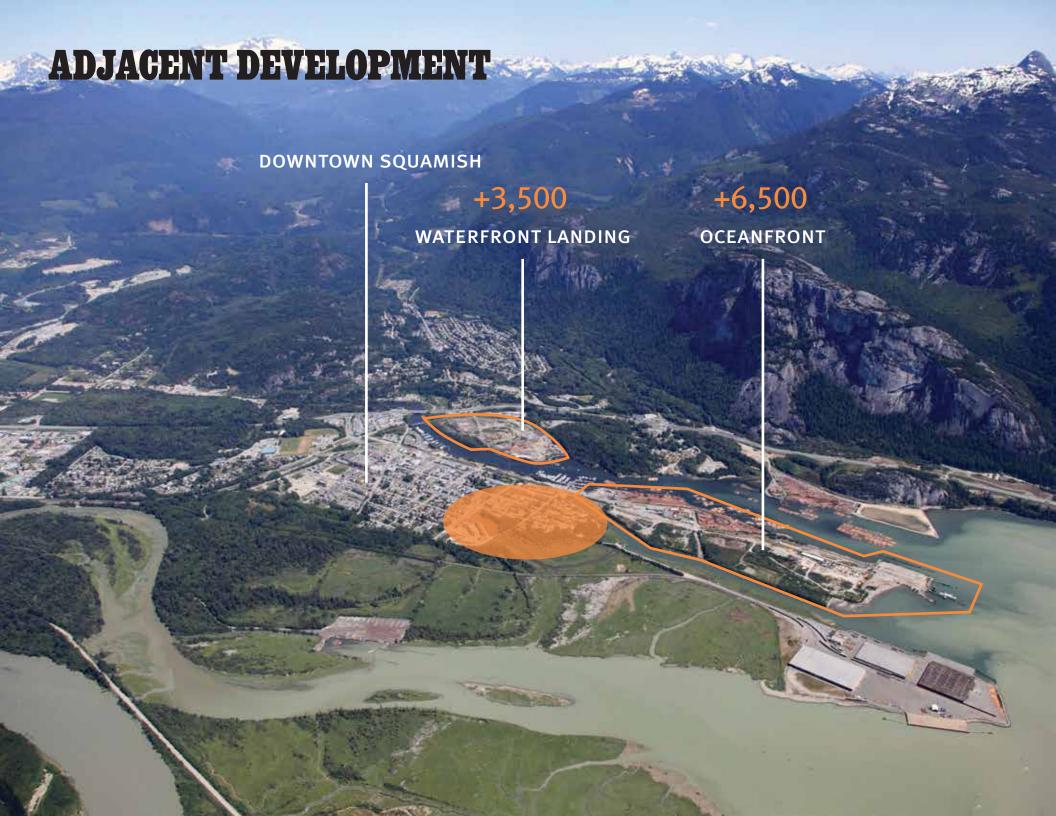
SOUTH DOWNTOWN

DOWNTOWN ENTRANCE

SQUAMISH FARMERS MARKET –

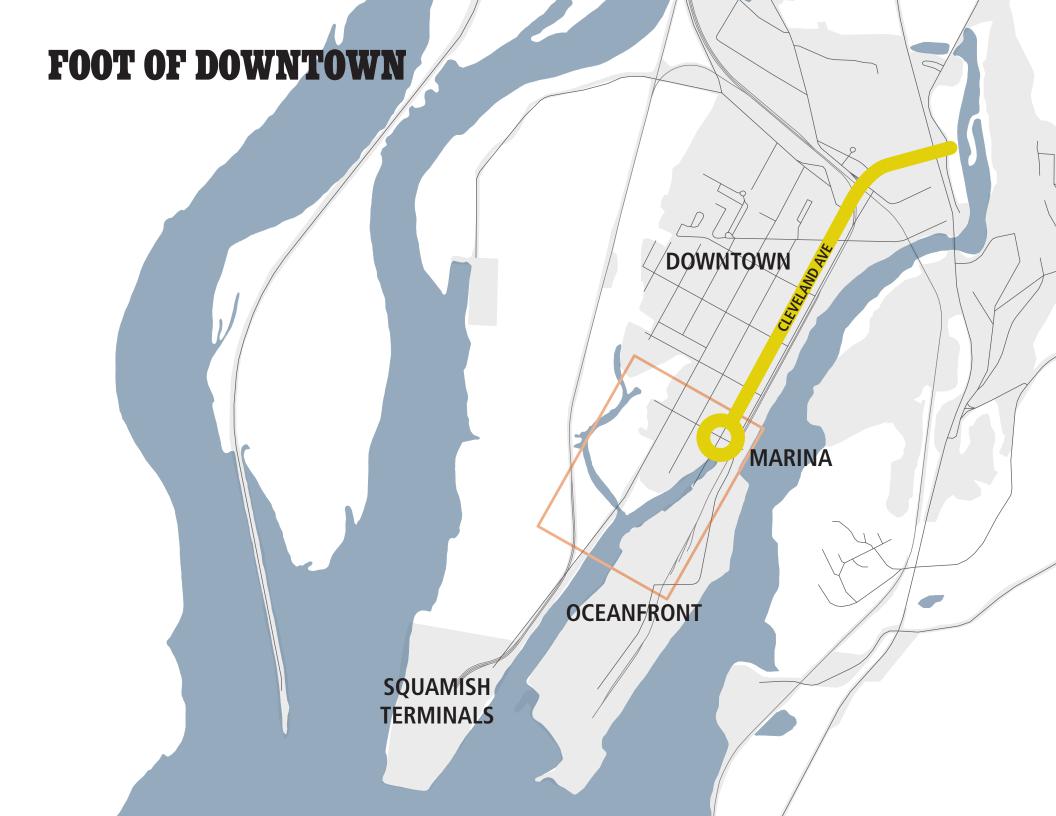
SOUTH DOWNTOWN





CITY CONTEXT

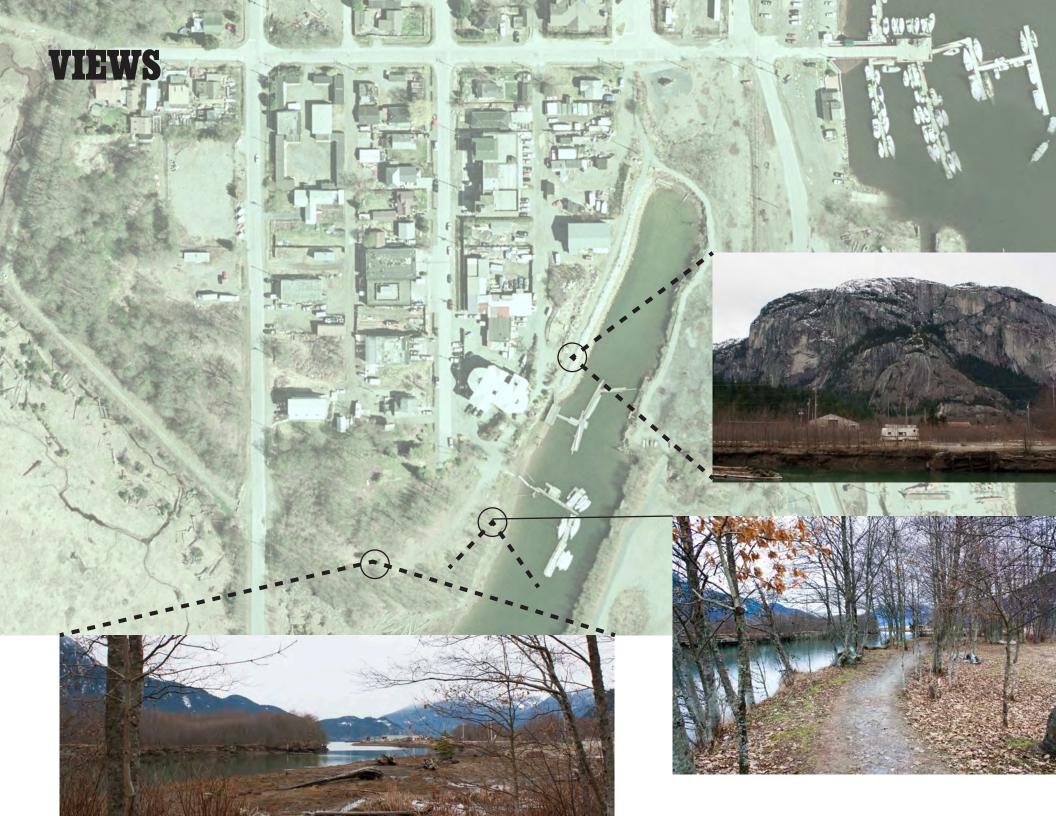






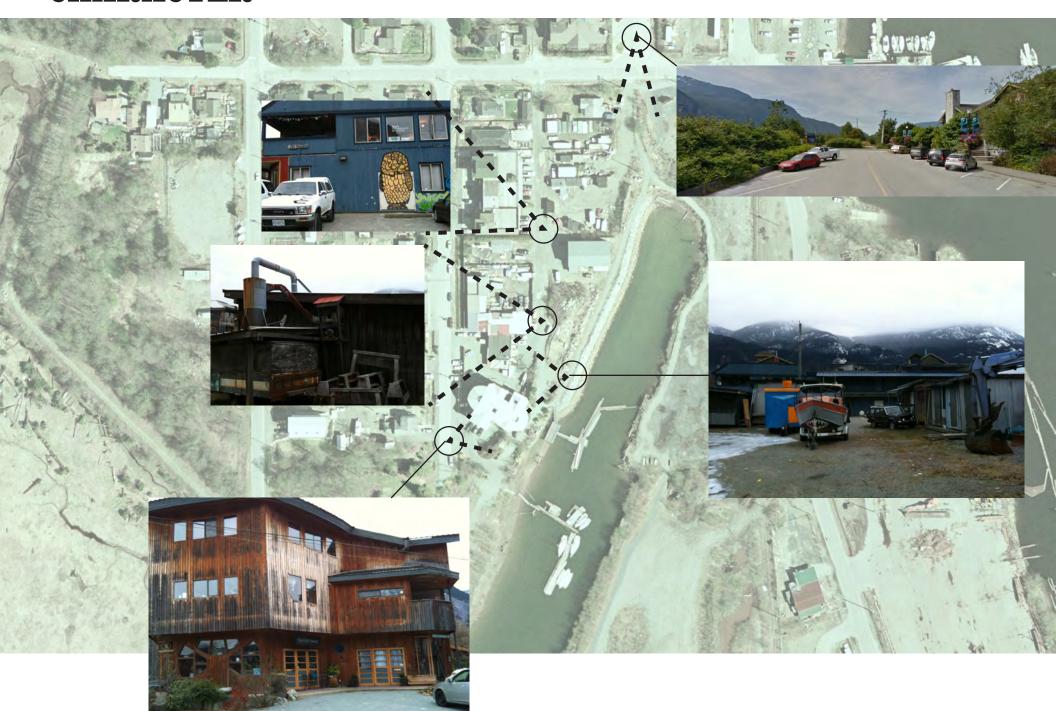


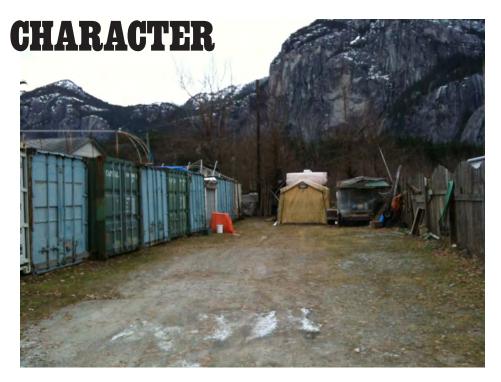






CHARACTER













0.6 ACRE URBAN FARM

68 STACKED TOWNHOUSE UNITS 10 MICRO-INDUSTRY LIVE/WORK UNITS

PUBLIC MARKET 20,000 SQ FT

THE HUB 5400 SQ FT **OUTDOOR MARKET** (20 VENDORS +20 SPILL OUT)

9500 SQ FT **INDUSTRIAL**

SQUAMISH TOP CHEF

Sea2Sky Blooms native flower festival

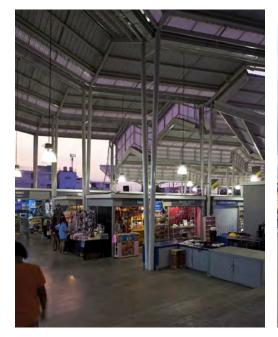
COMMUNITY DINNERS

MARKET ARCHITECTURE













MATERIALS AND CHARACTER















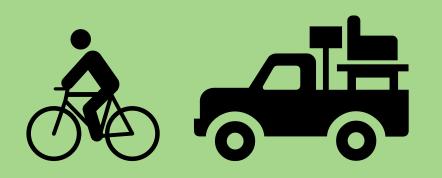


USERS



ÜBER LOCAL

1-3x per week





LOCAL

1x per week







VISITOR
occasional
1x per month

PROJECT GOALS

seeding an urban foodculture

LOCAL CRAFT

LOCAL FOOD

LOCAL ECONOMY

LOCAL COMMUNITY

celebrate the growing, selling and enjoyment of local food to encourage resilience and economic growth in Squamish

PRINCIPLES

create an urban heart for an embedded local food network in Squamish

which encourages local businesses and community ties,

strengthens connections to local and regional food,

relates to the natural context,

reflects the city's goals to create a more attractive downtown,

connects future neighbourhoods.

STRATEGIES

POLYVALENT SPACES accommodate events of varying size and intensity

FOOD-SPECIFIC GROUNDPLANE design to facilitate food market activities

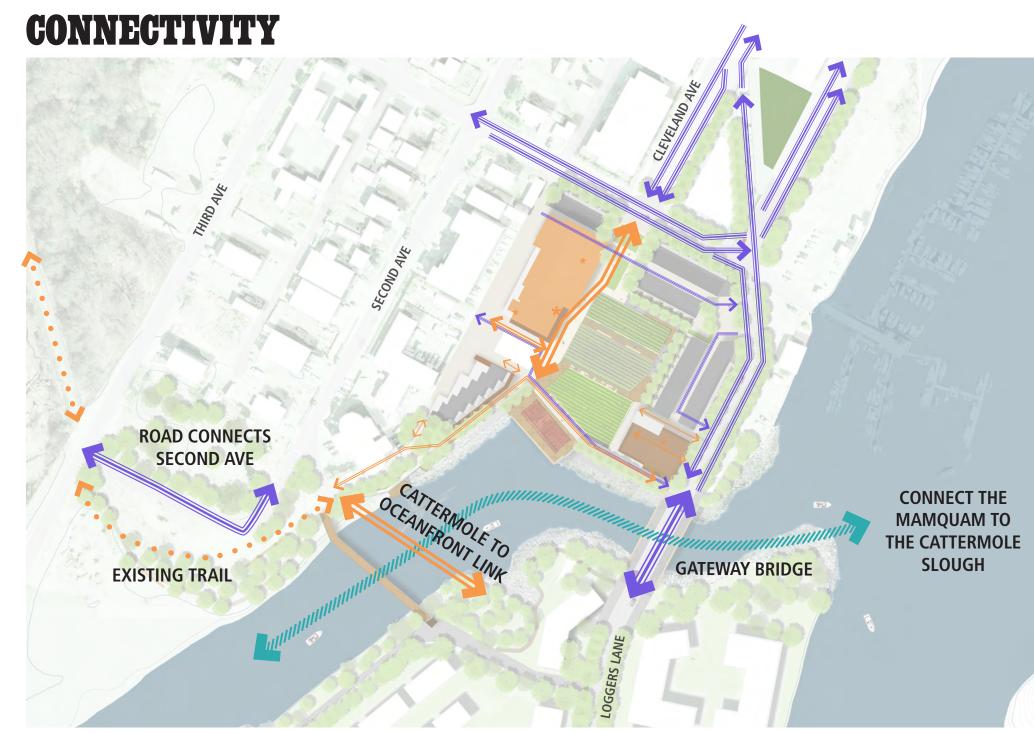
ELEVATE THE FOOT (WITH FOOD) occupy a prominent place in Squamish for pedestrians, not cars

PLACES TO WORK AND WATCH PEOPLE WORK stimulate economic growth and activate the site

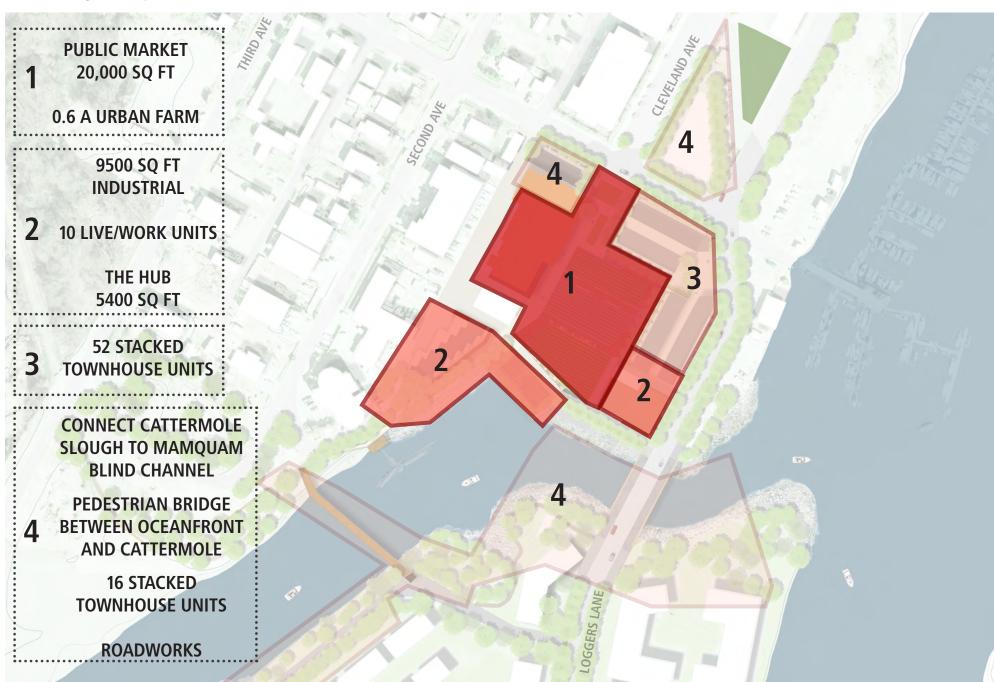


SITE PLAN





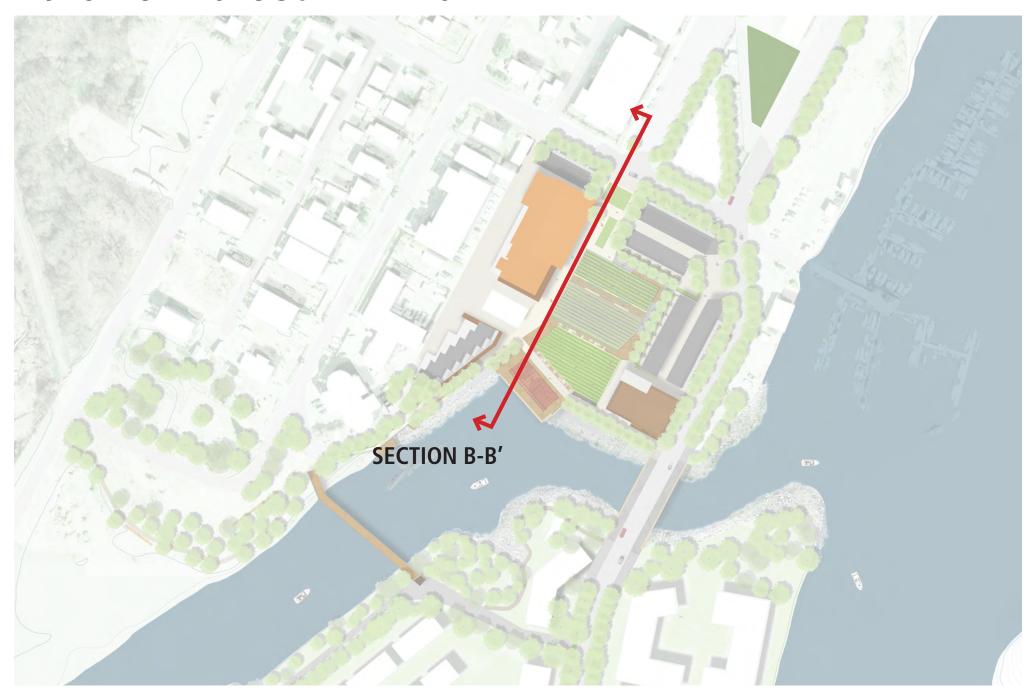
PHASING

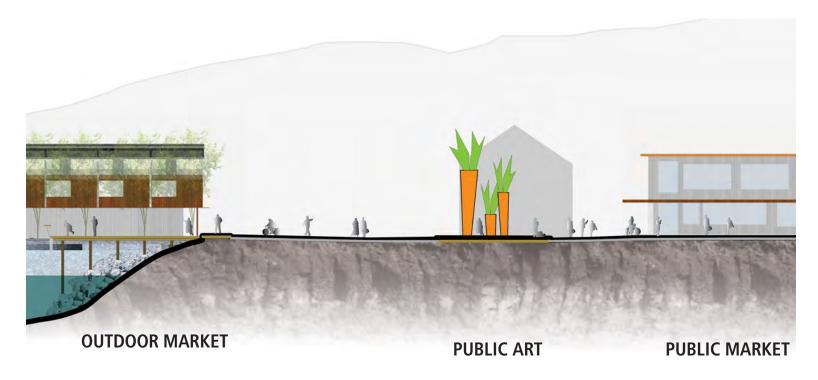




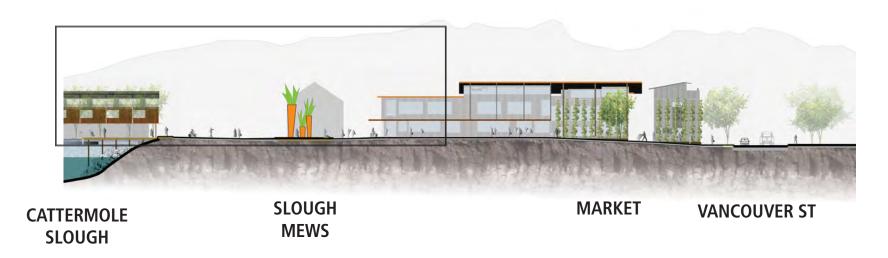


SECTION - SLOUGH MEWS





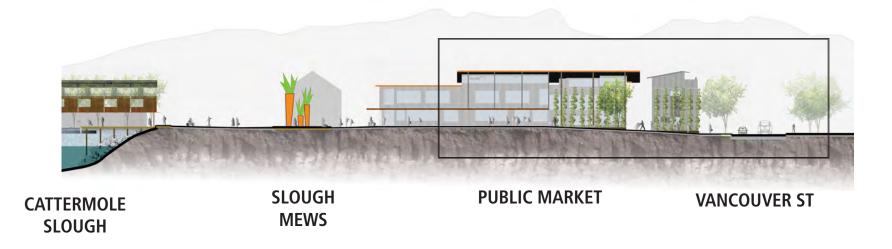
1:500



SECTION B-B' - SLOUGH MEWS 1:1000



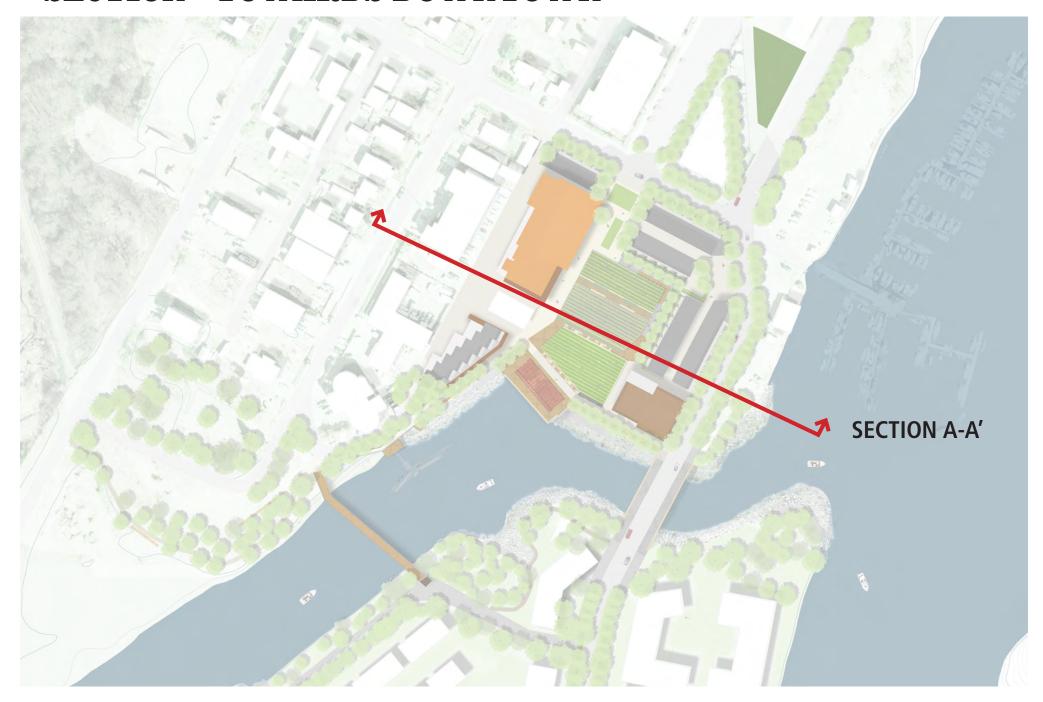
PUBLIC MARKET HOP GARDEN LIVE/WORK VANCOUVER ST 1:500 TOWNHOUSE



SECTION B-B' - SLOUGH MEWS 1:1000

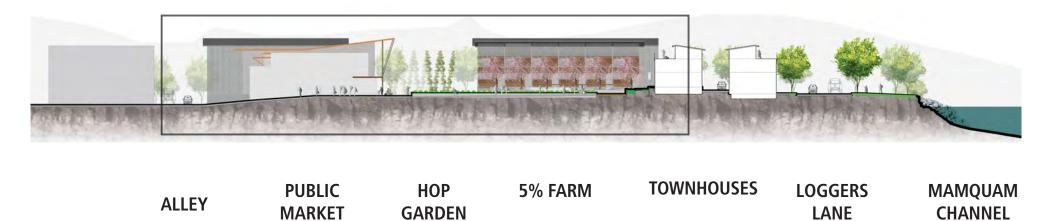


SECTION - TOWARDS DOWNTOWN

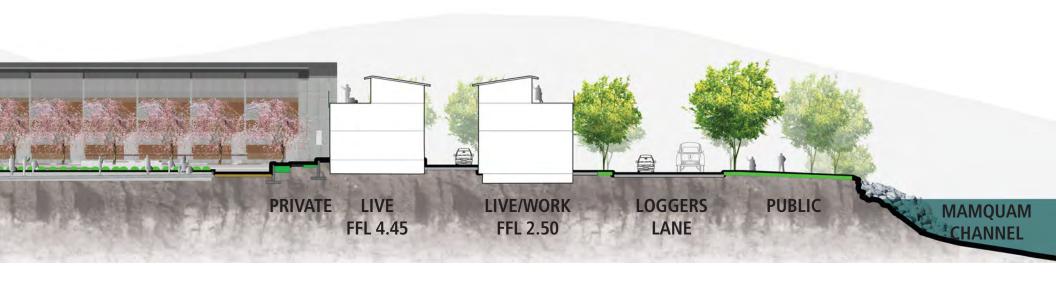




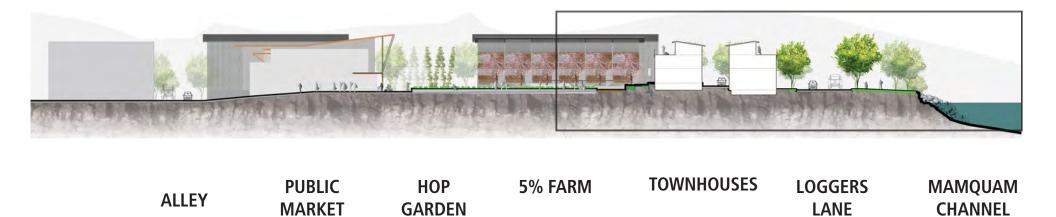
1:500



SECTION A-A' - TOWARDS DOWNTOWN 1:1000

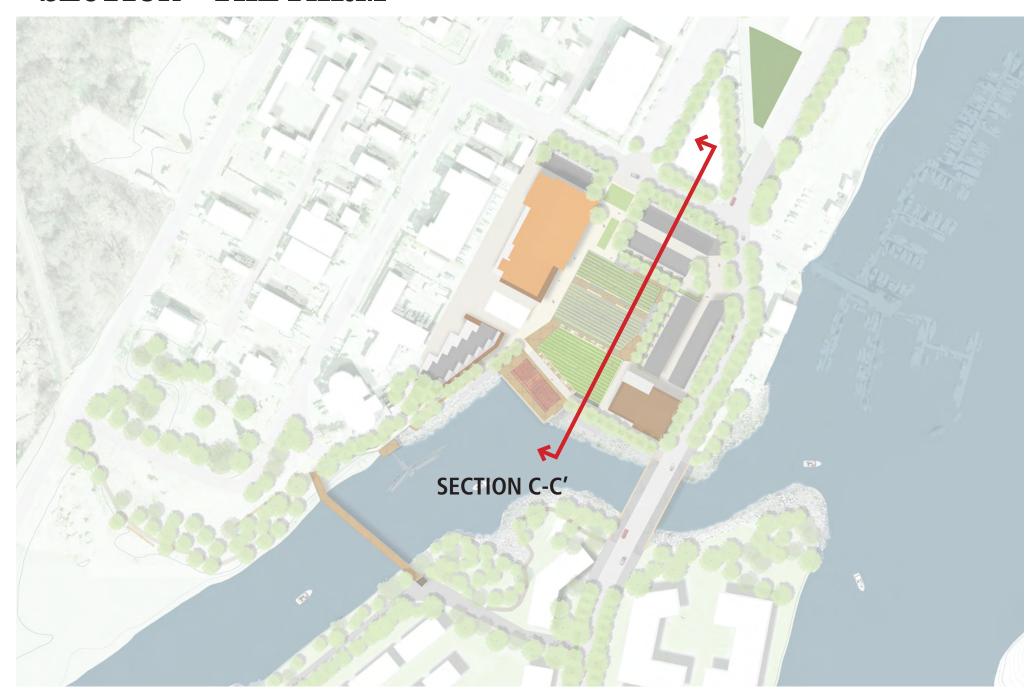


1:500



SECTION A-A' - TOWARDS DOWNTOWN 1:1000

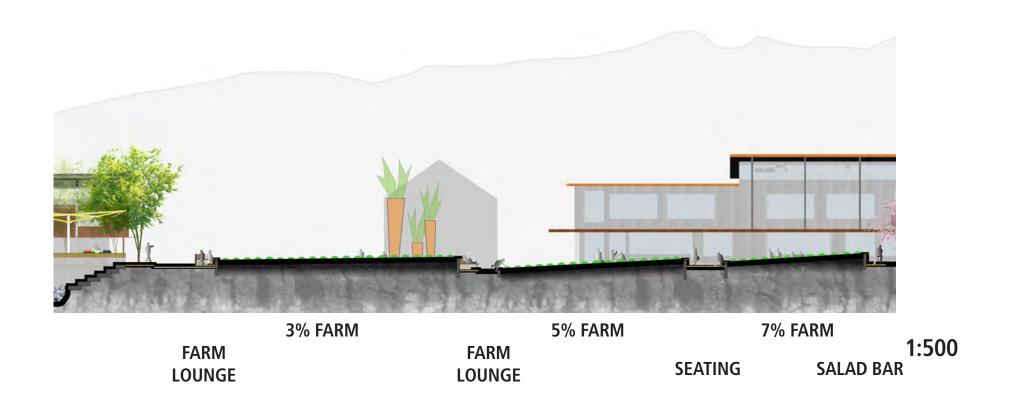
SECTION - THE FARM





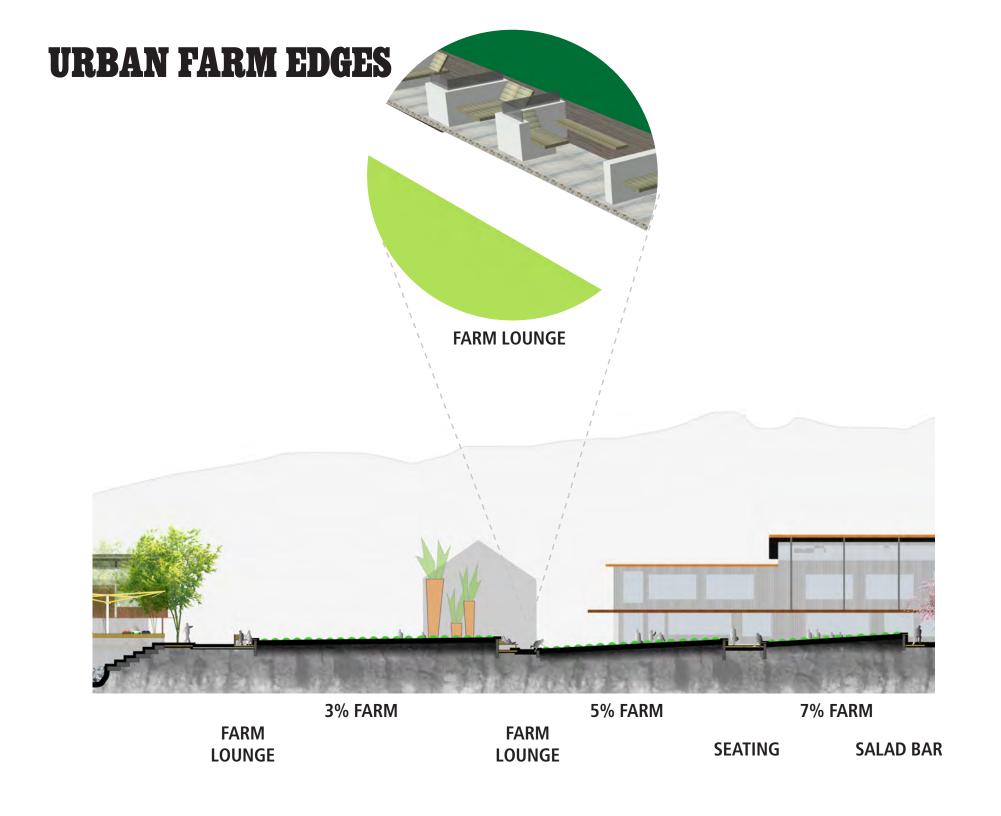


SECTION C-C' - THE FARM 1:1000

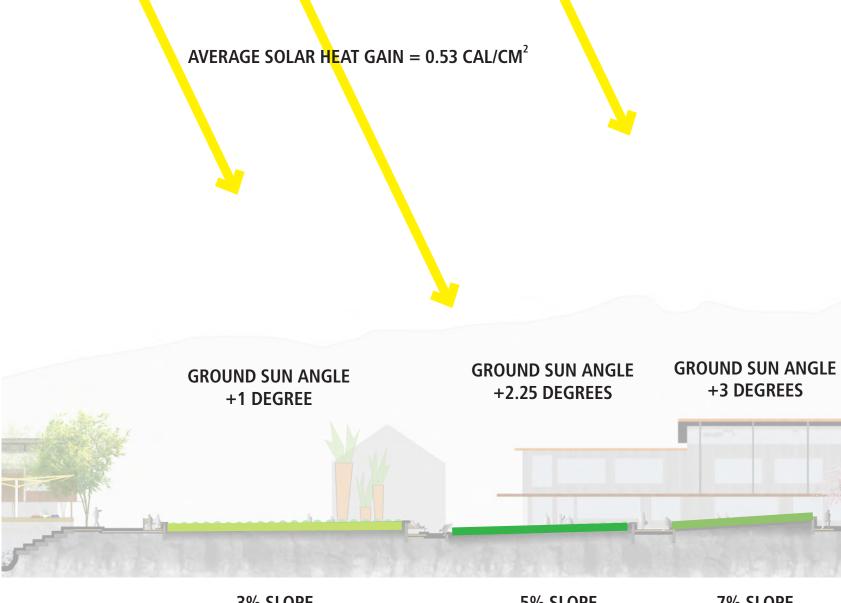




SECTION C-C' - THE FARM 1:1000



GROW



3% SLOPE 5% SLOPE 7% SLOPE

GROW

