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# HATZIC PRAIRIE COMMUNITY WATER SYSTEM

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*Public Information Meeting*

**Presentation by:**

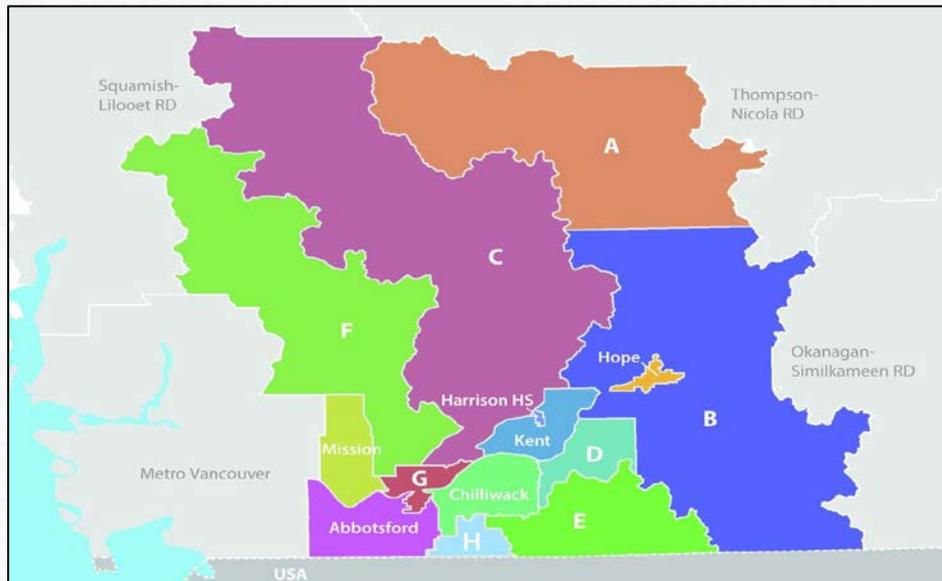
Hugh Davidson, Electoral Area F Director (Elected Official), FVRD

Paul Gipps, Chief Administrative Officer, FVRD

A decorative footer consisting of a pattern of blue triangles of various shades, arranged in a way that creates a sense of depth and movement, located at the bottom of the slide.

# WHO IS THE FVRD?

- The Fraser Valley Regional District (FVRD) is comprised of 6 Municipalities and 8 Electoral Areas.



- The Hatzic Prairie/McConnell Creek community is within Electoral Area F.

# ROLE OF THE FVRD

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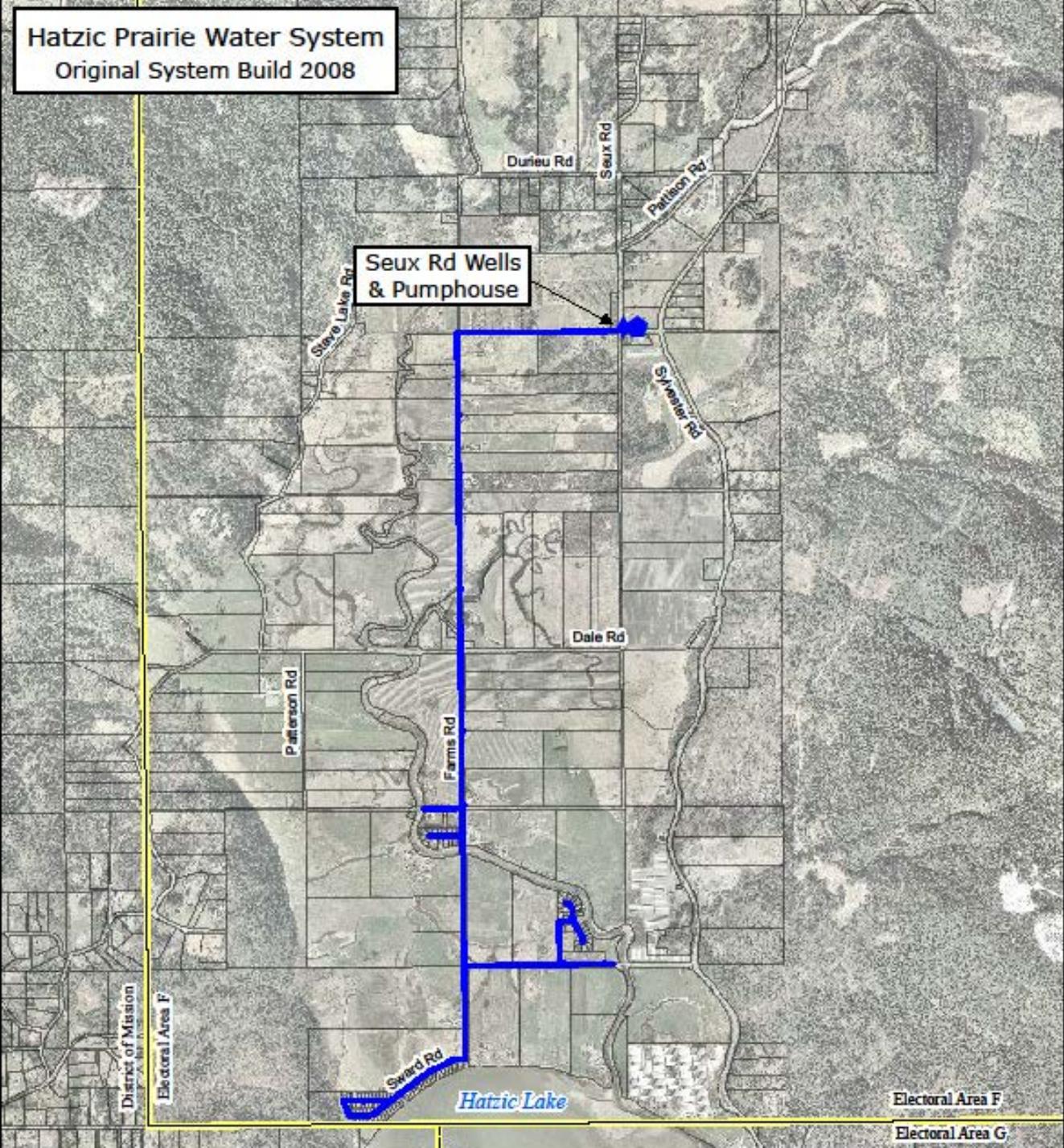
- The FVRD is a local government that delivers over 100 separate services to over 275,000 residents throughout the Fraser Valley and Fraser Canyon.
- The FVRD currently operates 14 water systems and 6 sewage systems. All of our systems are operated by FVRD Utility Technicians.
- FVRD utilities are paid for by “Service Areas”, which are comprised of the various users of the service. Service Areas are a user pay model whereby a service is paid for only by the people who receive it

# TONIGHT'S MEETING

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- Overview of the history of the Hatzic Prairie Water System
- Review of the new supply well and work completed to date
- Options moving forward and opportunities for feedback

Hatzic Prairie Water System  
Original System Build 2008



Seux Rd Wells & Pumphouse

Hatzic Lake

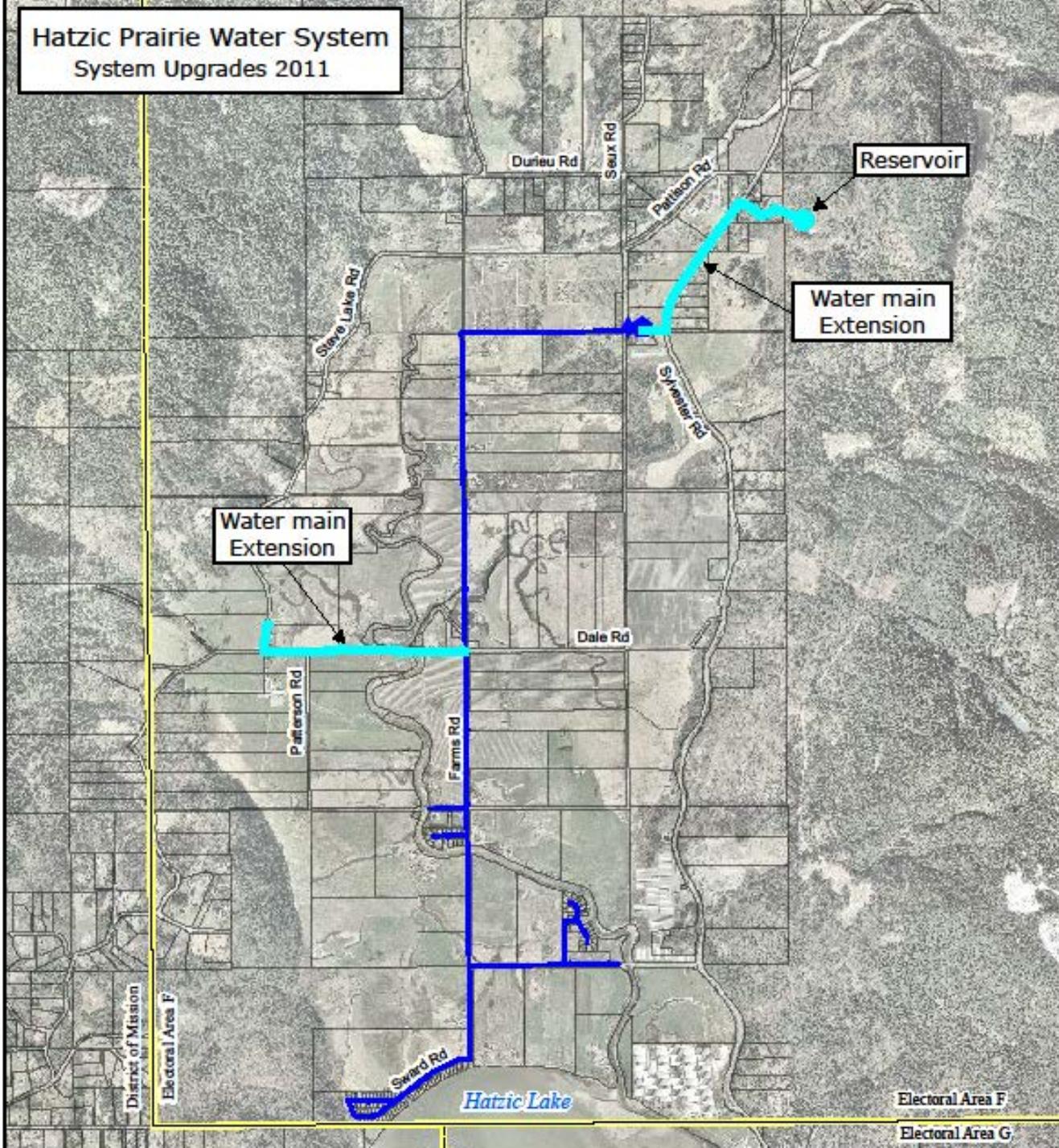
District of Mission

Electoral Area F

Electoral Area F

Electoral Area G

Hatzic Prairie Water System  
System Upgrades 2011

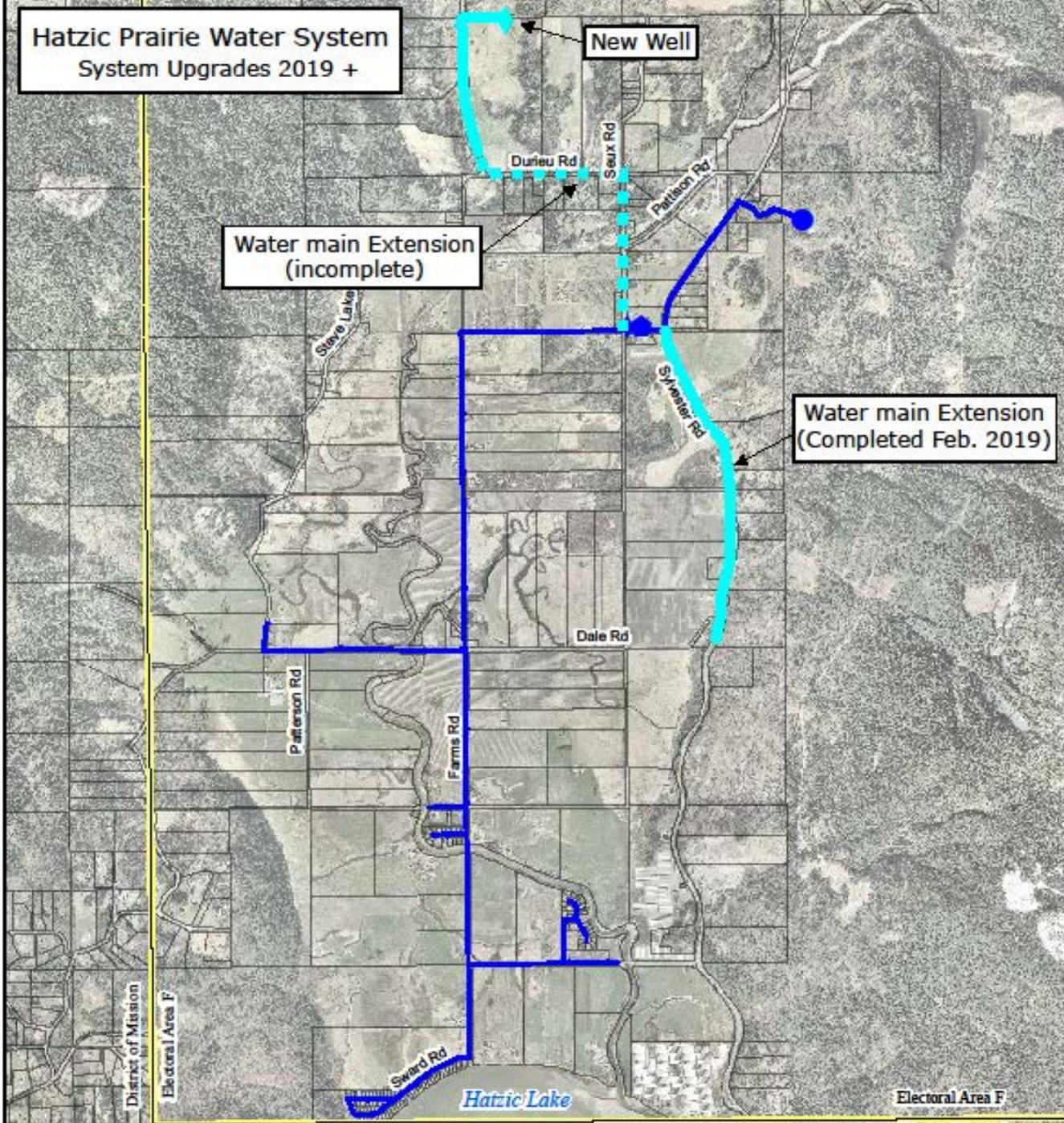


**Hatzic Prairie Water System  
System Upgrades 2019 +**

**New Well**

**Water main Extension  
(incomplete)**

**Water main Extension  
(Completed Feb. 2019)**



District of Mission

Electoral Area F

Hatzic Lake

Electoral Area F

Electoral Area G

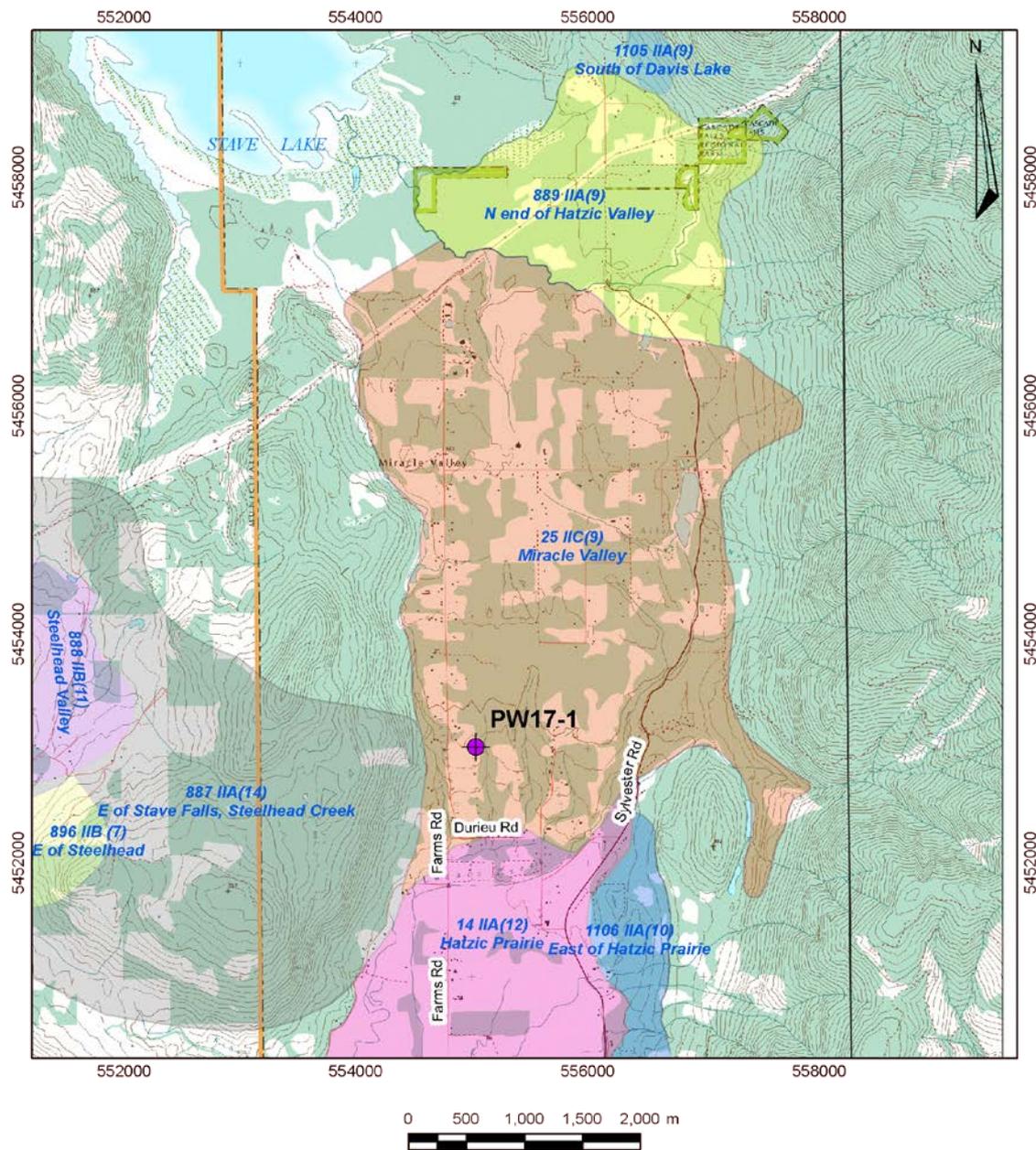
# Local Aquifers

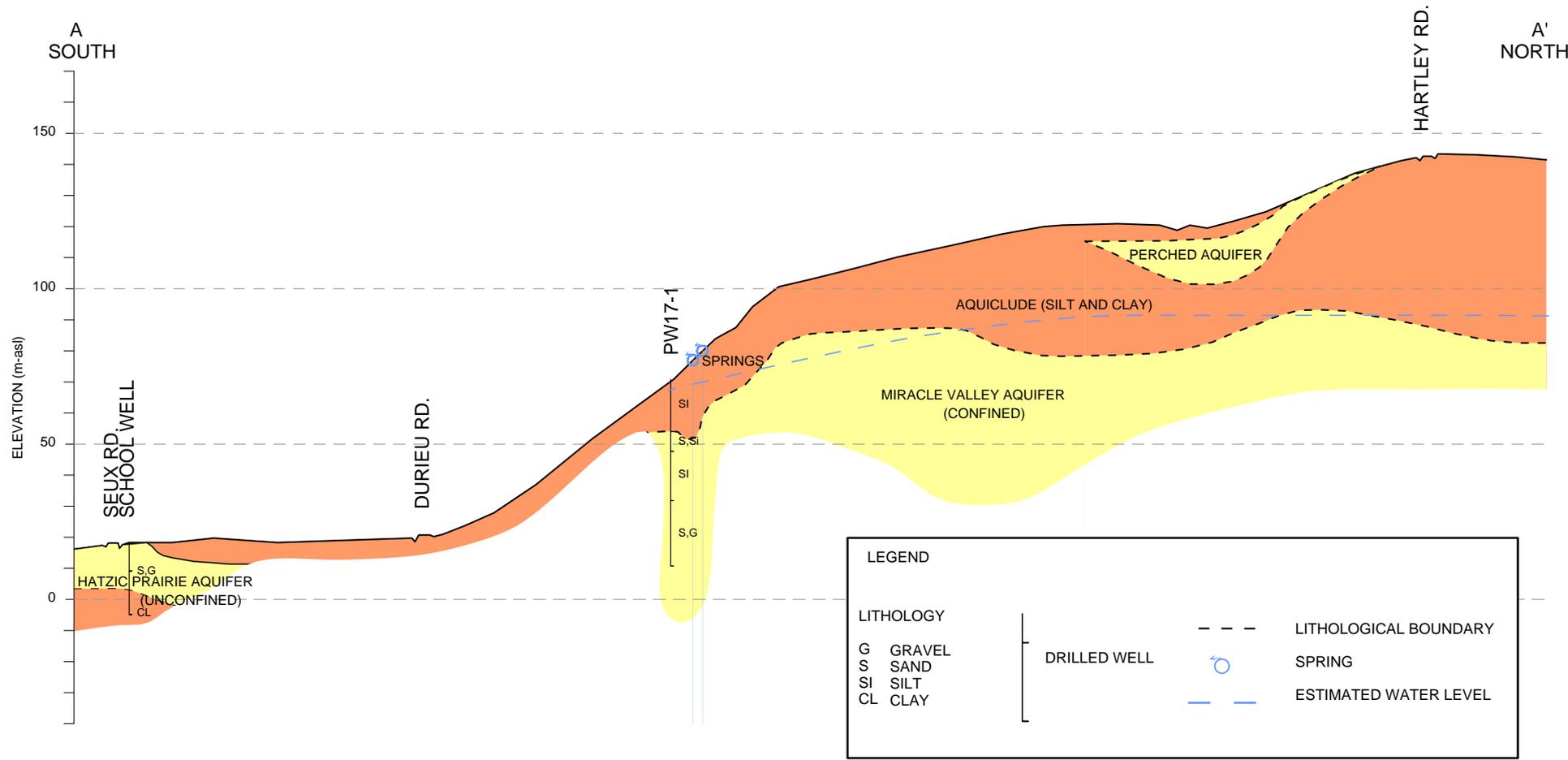
## Hatzic Prairie Aquifer

- Current water source of Hatzic Prairie Water System
- 9.8 km<sup>2</sup>
- Not protected by a confining layer

## Miracle Valley Aquifer

- Proposed new water source for Hatzic Prairie Water System
- 13.1 km<sup>2</sup>
- High quality water protected by a confining layer





## Previously Completed Work

- New supply well was drilled and tested
- Hydrogeological assessment was completed
- Application submitted to Province for Water Licence for 5L/s production
- Additional application submitted to Province for Limited Term (3 year) Water Licence for 1.7L/s production



## Previously Completed Work

- Partial Installation of Watermain to connect new supply well (all construction activities suspended as of January 2018)
- Installation of gauging stations and completed stream flow measurements for Environmental Flow Needs Assessments



# WORK REMAINING

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- Complete the installation of watermain connecting the new well to the existing system
- Develop new supply well (install well pump, construct well house, etc.)
- Grant Funding project deadline has been extended to March 31, 2020

# NEXT STEPS?

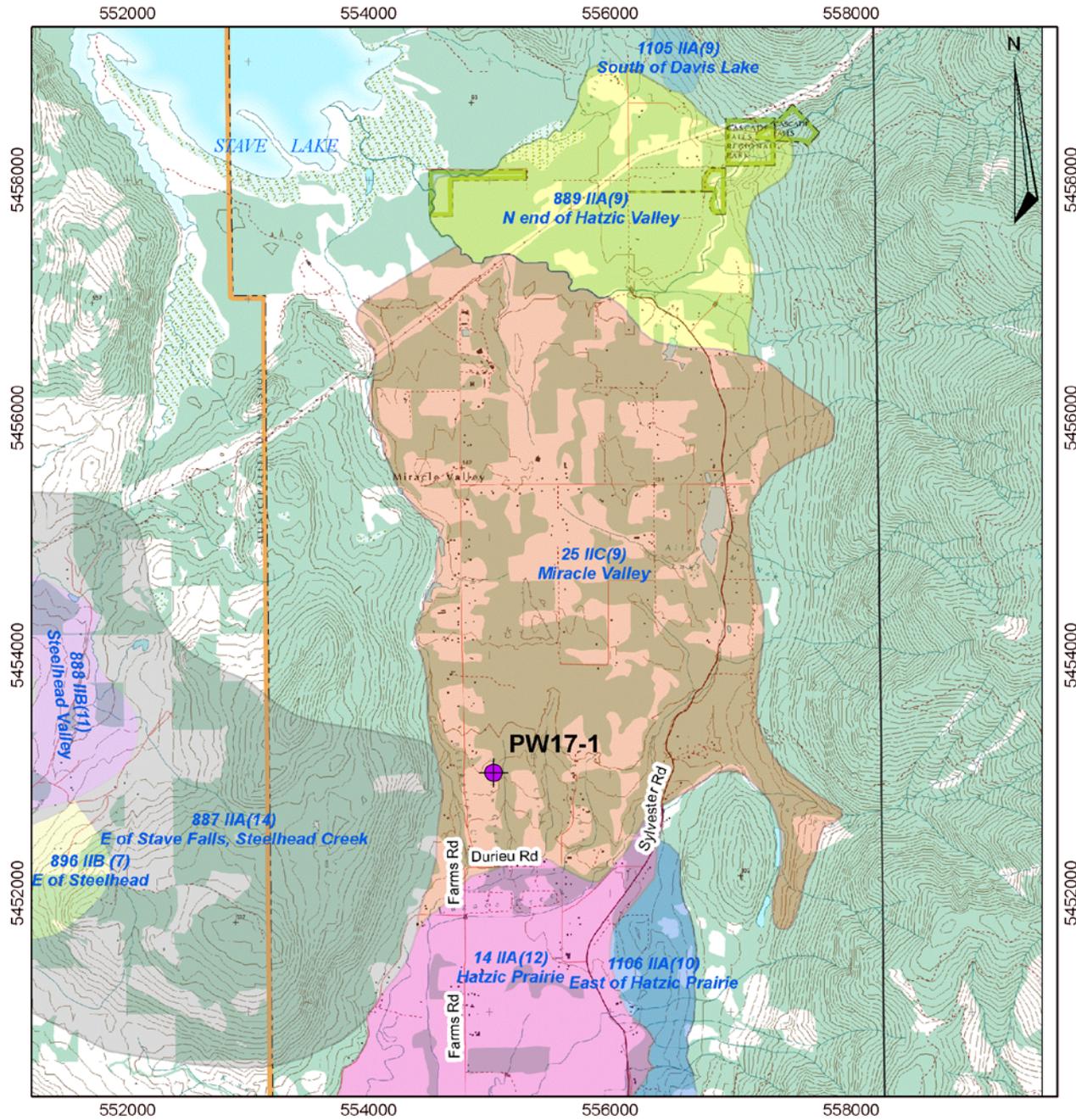
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- Option 1: Move Forward with Construction
  
- Option 2: Cancel the project
  - Grant funding cannot be claimed
  - Existing Service Area pays the cost of the incomplete project
  - Uncertainty about future of water source
  
- Who decides?

- Comments and Feedback can be sent by email to Electoral Area F Director Hugh Davidson [hdavidson@fvrd.ca](mailto:hdavidson@fvrd.ca)



Thank You



# Siting

- Productive aquifer
- Water quality
- Minimize well interference
- Avoid reducing stream flows
- Elevation with respect to reservoir
- Avoid flowing artesian conditions
- Access to property
- Water main constructability



# Zoning

## Parcel Sizes for new Lots

A-1 - 10 ac

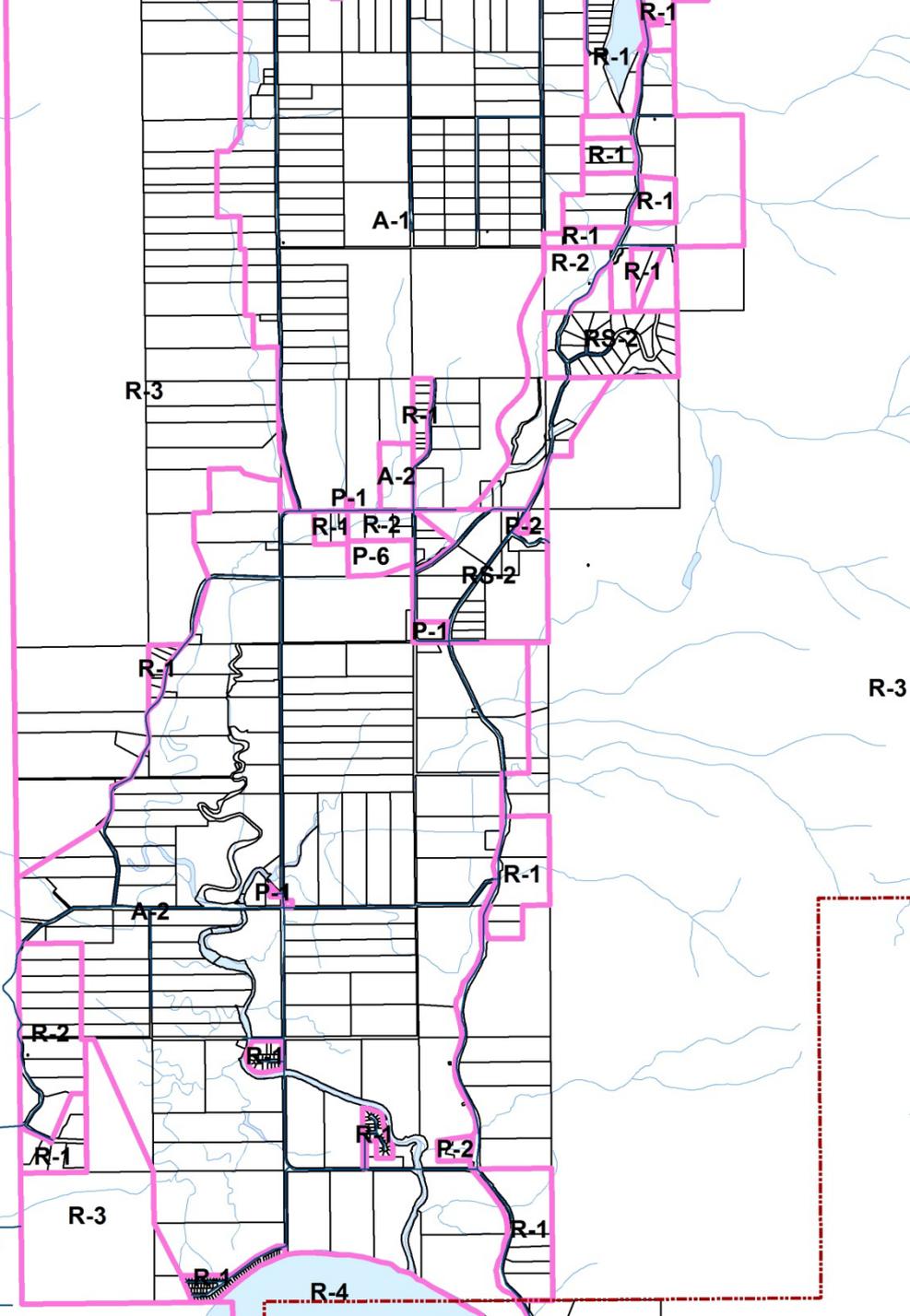
A-2 - 40 ac

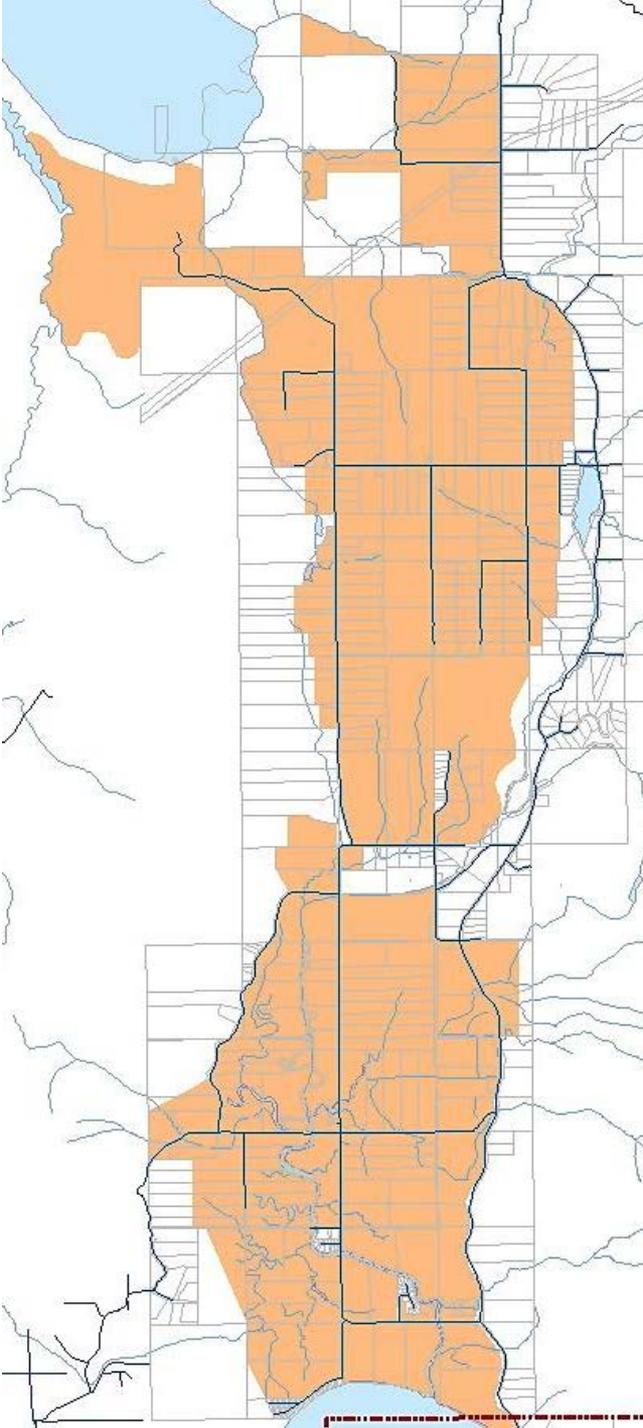
R-1 - 5 ac

R-1 - 10 ac

R-3 - 20 ac

RS-2 - 2.47 ac





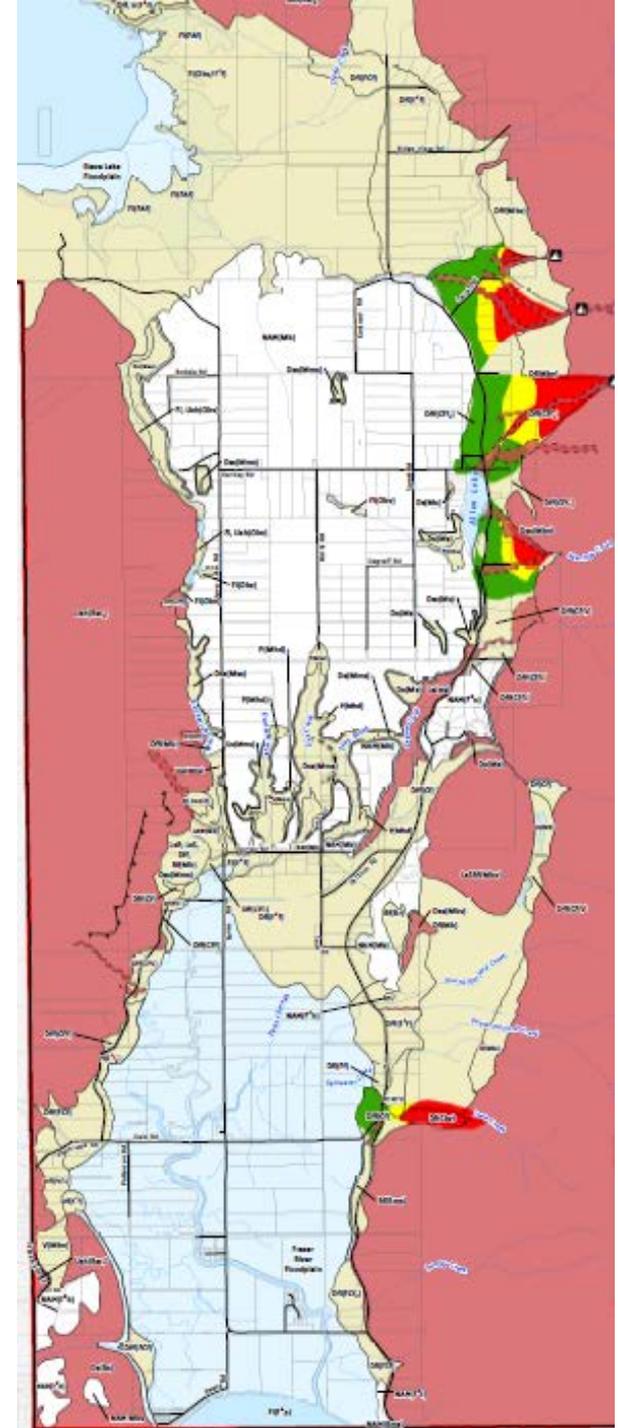
# ALR

ALC must approve subdivision and non-farm uses.

ALC mandate to preserve agricultural land limits subdivision on the valley bottoms.

# Hazards

Slopes, floodplains, streams & hazards constrain development on the valley sides.





# Development Prospects

- Modest subdivision of rural lots on lower hillsides
- Minor tweaks & infill subdivisions on the agricultural valley bottoms
- 1996-2008 - average annual rate of development:
  - 1.5 parcels/year
  - 7 dwellings/year
  - ≈ 0.9% annual increase in dwellings (2011)