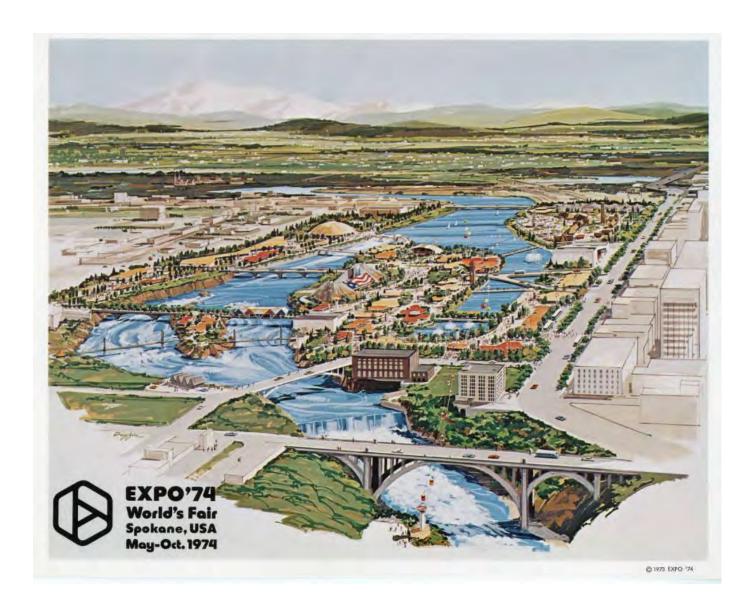
Spokane Valley Rathdrum Prairie
(SVRP)
Aquifer Protection Area
(APA)

Amy Sumner Spokane County



Celebrating Tomorrow's Fresh, New Environment



Brief History of Aquifer Protection/Collaboration

1990s

1990

WA GW

Quality Rule

1990

Critical

Materials

Ordinance

1970s

1978

Water

Quality

Management

Plan

1979

Aquifer

Water

Quality Plan

1976 CWA Sect. 208 Financing

1976 – 1978Bistate 208
monitoring

1977 PHD Septic System Regs

1978
Sole Source
Designation
EPA

1978
Cause and
Effect Report

1980s

1980
Special
Resource
Designation

1981 Wastewater Management Plan

1985
Aquifer
Protection
Area

1986

Critical Materials Ordinance

1986 - 88
Sewer
Management
Agreements

1995 SAJB

1997
ID GW
Quality Rule
Sensitive
Resource
Aquifer
Designation

2000

2000s

Wellhead Protection

2002 GW Management Area

2003 – 2007 BiState GW Model

2004 Aquifer Protection Area

2006 Aquifer Protection Board 2008

Water Rights Adjudication begins

2011 CAMP

2012 SRRTTF IWAC

> 2015 Spokane River Instream Flow Rule

2020s

2022
Kootenai
County
Septic
System Regs

2024
Aquifer
Protection
Area?

KEY



BiState

Idaho

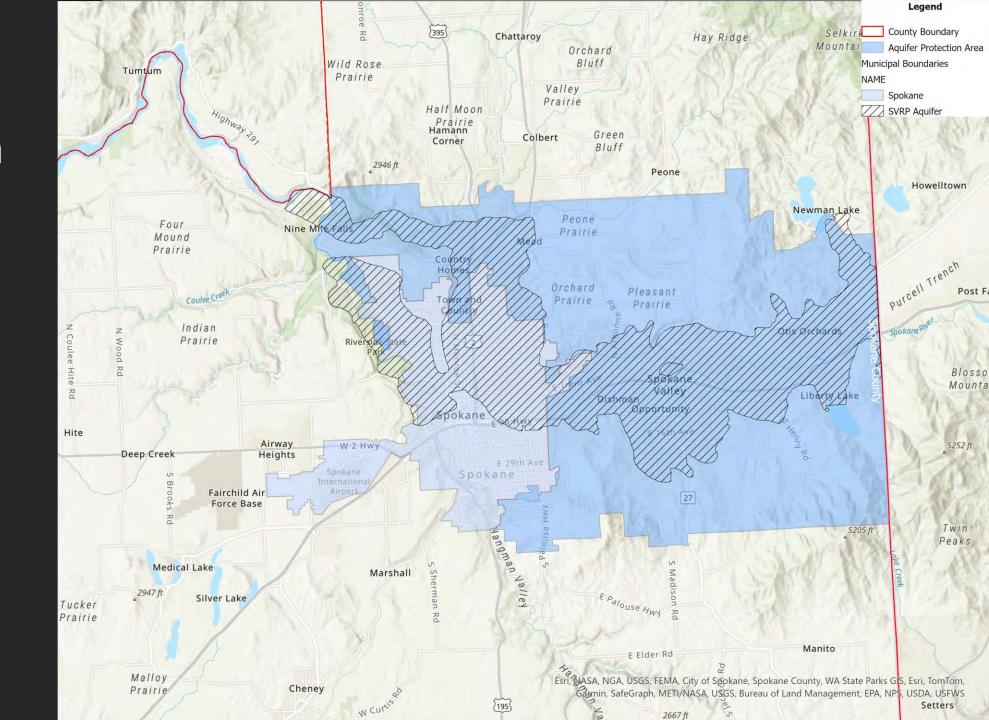
Washington

1988 - 1994 Congressional Funding Aquifer Protection Area

1985

2004 (excluding City of Spokane)

2025??



APA Fees

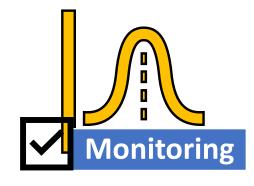
~\$15 per parcel per year & has NOT increased since 1985 Allowable expenditures (RCW 36.36.040) include:















APA Accomplishments



Sanitary Sewer Infrastructure

Spokane County Regional Water Reclamation Facility (SCRWRF) in 2011

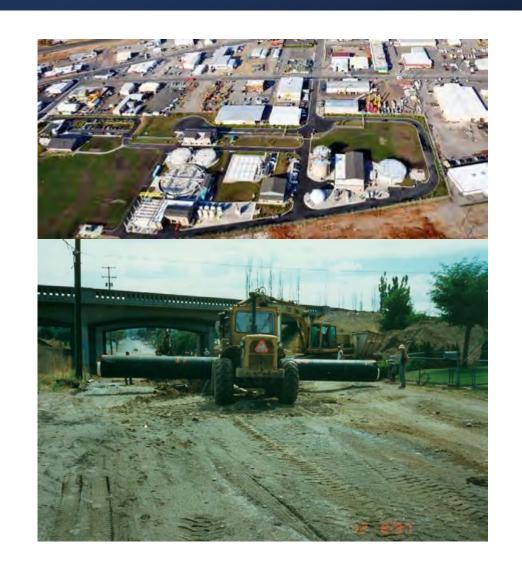
Sewered ~30K homes

Replaced 75% septic systems over SVRP

Treat ~7 MGD wastewater

First in region to use membrane filtration

Agreement with City of Spokane for treatment of N. Spokane wastewater



APA Accomplishments



Water Resources Education

Served 55.7K students since 2010

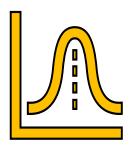
This represents 14 of 19 Spokane County School Districts

60% of the students are from the 5 School Districts overlying the SVRP Aquifer

Since 2018 onsite education at the WRC has doubled



APA Accomplishments



Monitoring Program

Routine sampling of 51 locations

21 parameters

~59.4K data points

Coordination with 12 water purveyors

Annual reporting of data

20-yr (1999 – 2019) Analysis

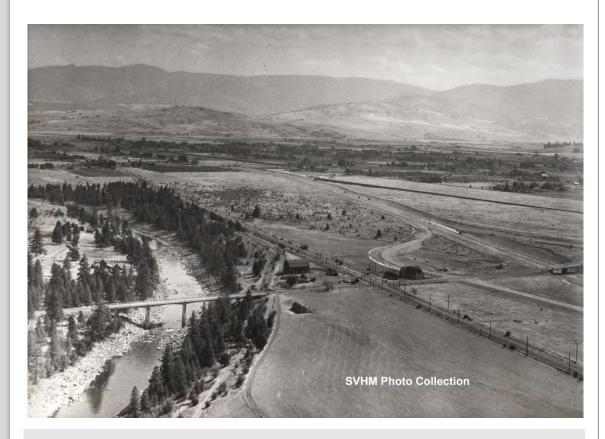




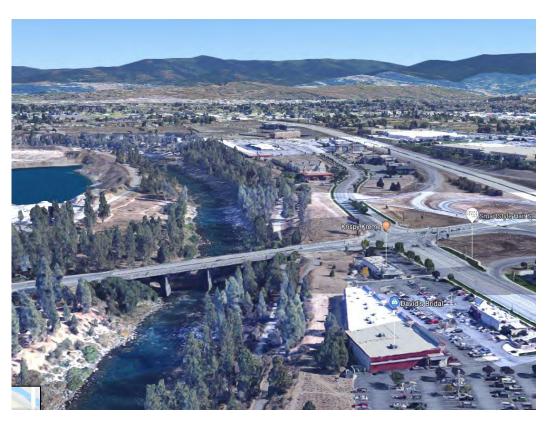
SVHM Photo Collection. Stateline, 1940



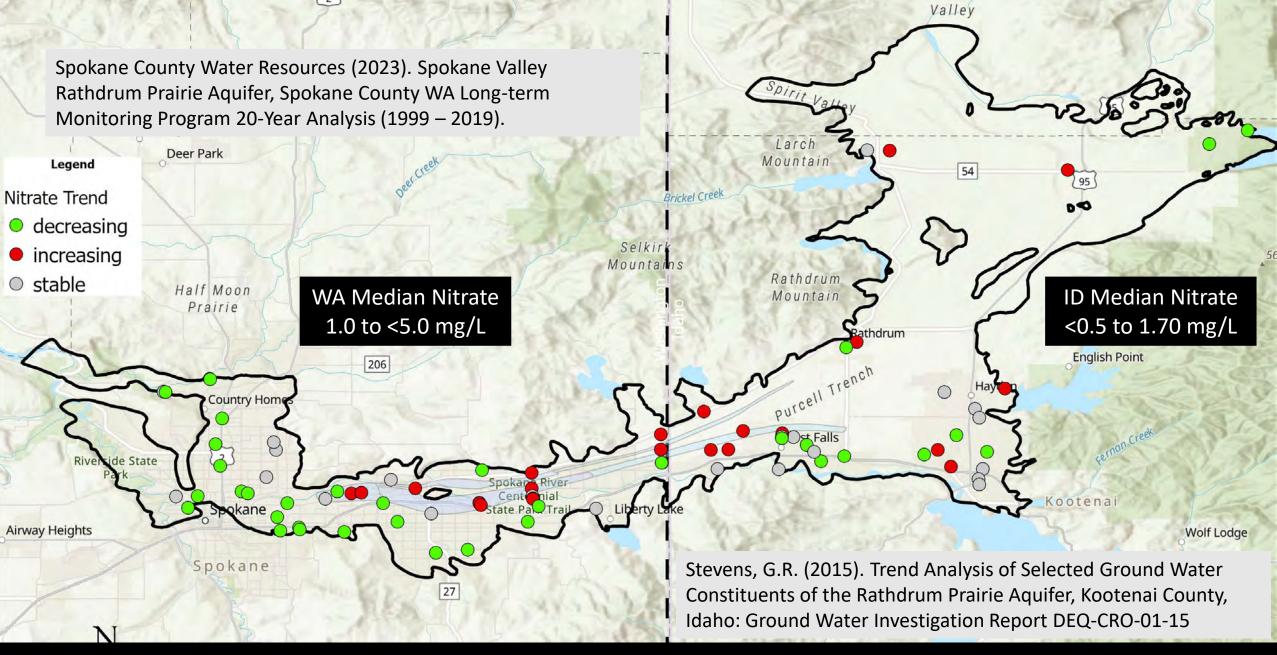
Google Earth. Stateline, 2019



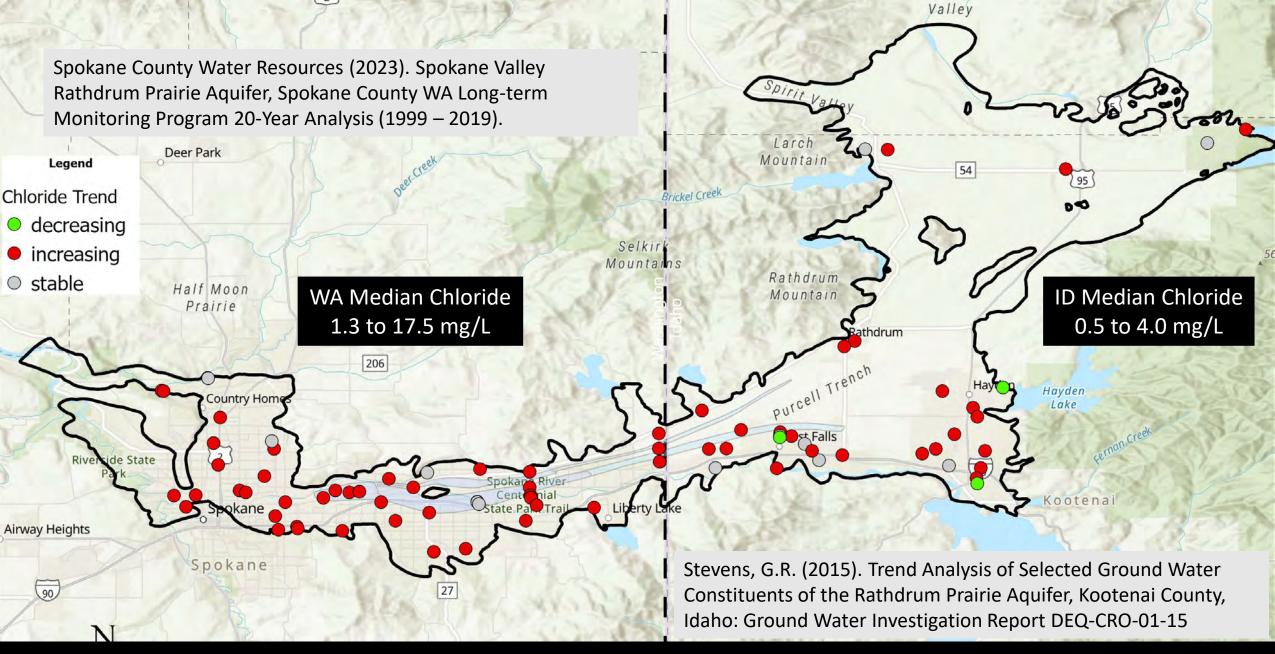
SVHM Photo Collection. Sullivan Rd., 1965



Google Earth. Sullivan Rd., 2019



Long-term Nitrate Trends

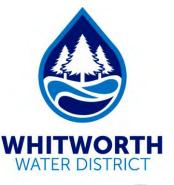


Long-term Chloride Trends





















North Spokane Irrigation District Orchard Ave Irrigation District Pasadena Park Irrigation District Irvin Water District

NOTE: These organizations were not involved in the making of this presentation and are not responsible for its contents.

Questions?



Contact:

Amy Sumner

Water Resources Manager

Spokane County

509-477-7578

asumner@spokanecounty.org