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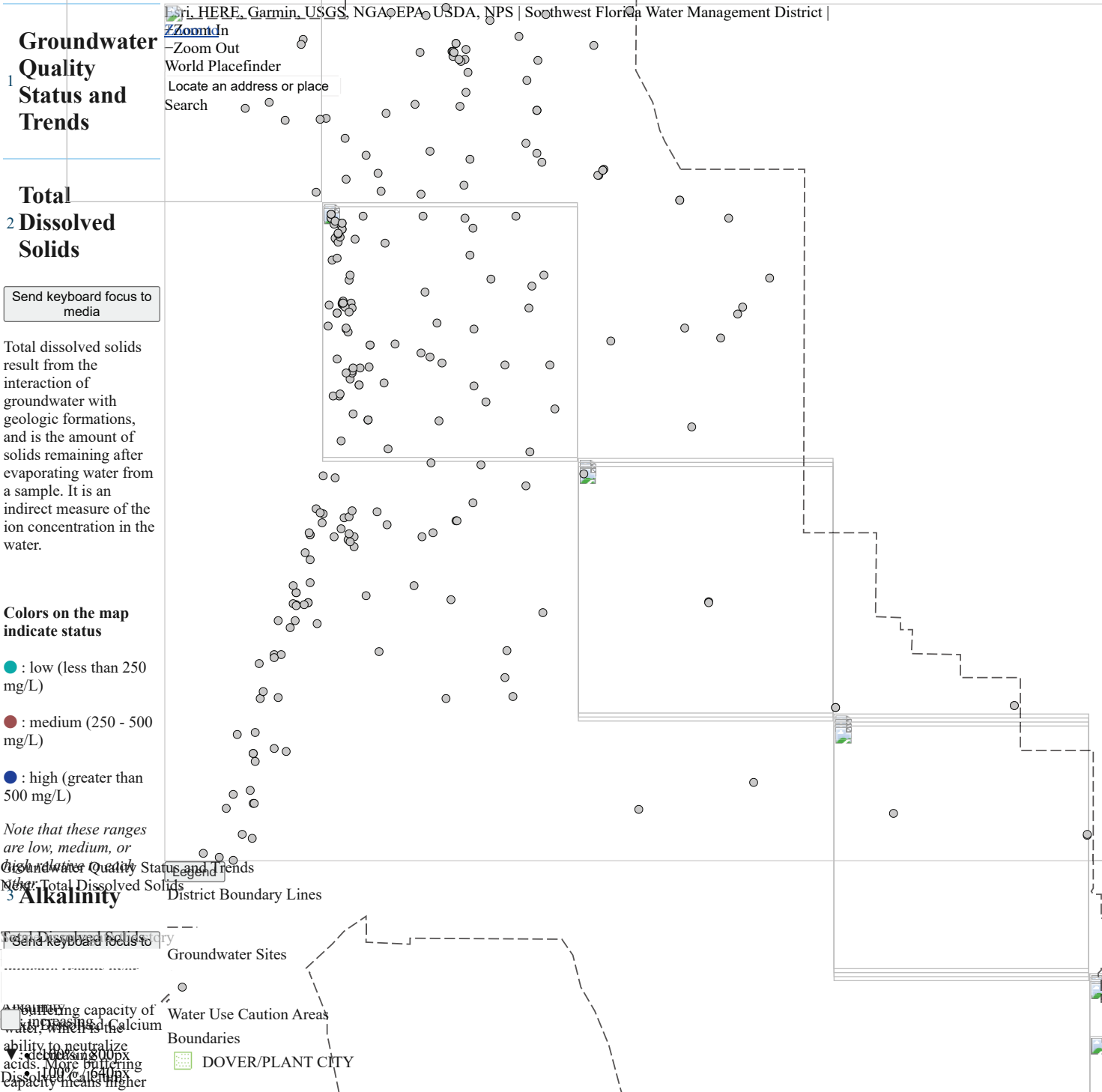
Southwest Florida Water Management District Groundwater Quality Viewer



- 1 - Groundwater Quality Status and Trends
- 2 - Total Dissolved Solids
- 3 - Alkalinity
- 4 - Dissolved Calcium
- 5 - Dissolved Chloride
- 6 - Dissolved Magnesium
- 7 - Dissolved Potassium
- 8 - Dissolved Sodium
- 9 - Dissolved Sulfate
- 10 - Total Nitrate and Nitrite



# Southwest Florida Water Management District Groundwater Quality Viewer



5  
Dissolved Chloride  
Next: Dissolved Magnesium  
evaluate a trend

Dissolved Magnesium  
Next: Dissolved Potassium  
indicate status

● : low (less than 150  
mg/L)  
Next: Dissolved Sodium

● : medium (150 - 250  
mg/L)  
Next: Dissolved Sulfate

● : high (greater than  
250 mg/L)  
Dissolved Sulfate

Note: total Nitrate and Nitrite  
are low, medium, or  
high relative to each  
Total Nitrate and Nitrite

You have reached the end of the story

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**Dissolved Calcium**  
Symbols on the map  
indicate trends over  
the past 10 years

Send keyboard focus to  
media

Calcium is an abundant  
alkaline earth metal  
found in ionic  
form in water and high  
concentrations result in  
hard water.  
● : not enough data to  
evaluate a trend

**Colors on the map  
indicate status**

● : low (less than 50  
mg/L)

● : medium (50 - 100  
mg/L)

● : high (> 100 mg/L)

Note that these ranges  
are low, medium, or  
high relative to each  
other.

**Symbols on the map  
indicate trends over  
the past 10 years**

▲ **Dissolved Chloride**  
▼ : decreasing

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● Chloride is a hazardous  
oxidant element  
valuable for  
chlorine, and can result  
from groundwater  
interactions with  
geologic formations or  
saltwater intrusion.

**Colors on the map  
indicate status**

■ MOST IMPACTED AREA  
■ NORTHERN TAMPA BAY  
■ RIDGE LAKES  
■ SOUTHERN WATER USE CAUTION AREA

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Total Dissolved Solids (mg/L dried at 180°C)

- ▲ High-Range, Increasing
- High-Range, Stable
- ▼ High-Range, Decreasing
- ▲ Mid-Range, Increasing
- Mid-Range, Stable
- ▼ Mid-Range, Decreasing
- ▲ Low-Range, Increasing
- Low-Range, Stable
- ▼ Low-Range, Decreasing

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- : low (less than 50 mg/L)
- : medium (50 - 250 mg/L)
- : high (greater than 250 mg/L)

Note that these ranges are low, medium, or high relative to each other.

Symbols on the map indicate trends over the past 10 years

**Dissolved Magnesium**

▲ : increasing

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■ : stable (no detectable change) common element in groundwater and results from the interaction of water with limestone and gypsum rock formations. High concentrations contribute to hard water.

- Colors on the map indicate status
- : low (less than 20 mg/L)
  - : medium (20 - 50 mg/L)
  - : high (greater than 50 mg/L)

Note that these ranges are low, medium, or high relative to each other.

Symbols on the map indicate trends over the past 10 years

**Dissolved Potassium**

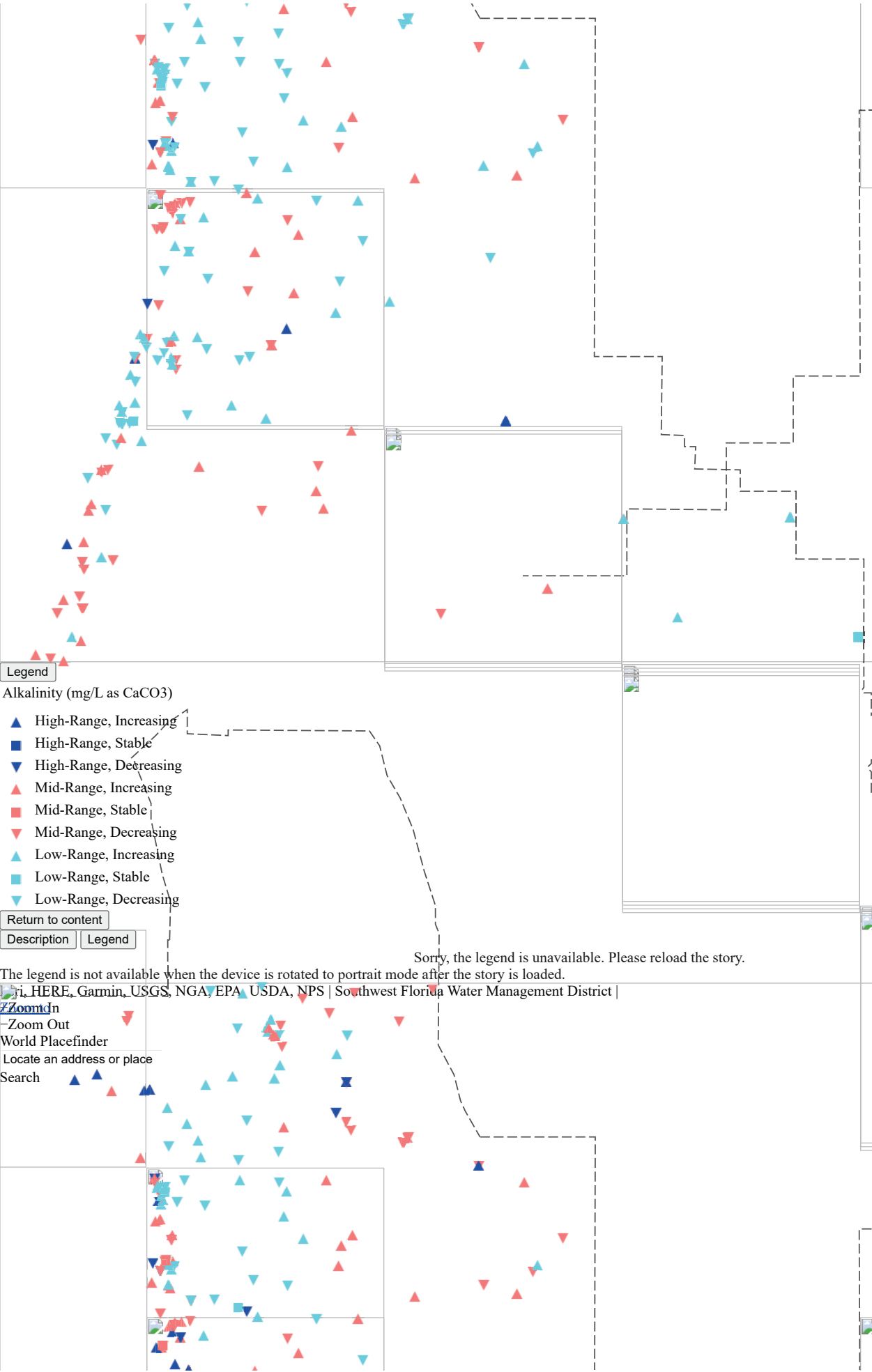
▼ : decreasing

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▼ : decreasing

Potassium can appear in groundwater from the interaction of geologic formations as well as from leaching a trend

- Colors on the map indicate status
- : low (less than 3 mg/L)
  - : medium (3 - 10 mg/L)



- Legend
- Alkalinity (mg/L as CaCO3)
- ▲ High-Range, Increasing
  - High-Range, Stable
  - ▼ High-Range, Decreasing
  - ▲ Mid-Range, Increasing
  - Mid-Range, Stable
  - ▼ Mid-Range, Decreasing
  - ▲ Low-Range, Increasing
  - Low-Range, Stable
  - ▼ Low-Range, Decreasing

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● : high (greater than 10 mg/L)

Note that these ranges are low, medium, or high relative to each other.

Symbols on the map indicate trends over the past 10 years

▲ : increasing  
Send keyboard focus to media

Sulfate is an alkali earth metal that can occur both from interactions of groundwater with geologic formations as well as saltwater intrusion.

Colors on the map indicate status

● : low (less than 20 mg/L)

● : medium (20 - 150 mg/L)

● : high (greater than 150 mg/L)

Note that these ranges are low, medium, or high relative to each other.

Symbols on the map indicate trends over the past 10 years

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Sulfate is an oxidized form of sulfur that has been found in natural resources, and can serve as an indicator of data to be used as a trend

Colors on the map indicate status

● : low (less than 50 mg/L)

● : medium (50 - 250 mg/L)

● : high (greater than 250 mg/L)

Note that these ranges are low, medium, or high relative to each other.

Legend

Dissolved Calcium - (mg/L as Ca)

- ▲ High-Range, Increasing
- High-Range, Stable
- ▼ High-Range, Decreasing
- ▲ Mid-Range, Increasing
- Mid-Range, Stable
- ▼ Mid-Range, Decreasing
- ▲ Low-Range, Increasing
- Low-Range, Stable
- ▼ Low-Range, Decreasing

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**Symbols on the map indicate trends over the past 10 years**

▲: increasing  
▼: decreasing

Send keyboard focus to media detectable change)

Nitrite and nitrate are not enough data to fit a trend line. Nitrite and nitrate can appear in groundwater as the result of leaching of fertilizers and other nitrogenous compounds through the soil.

**Colors on the map indicate status**

● : low (0th - 25th percentile)

● : medium (25th - 75th percentile)

● : high (75th - 100th percentile)

*Note that these values are low, medium, or high relative to each other, not to a specific water quality standard.*

**Symbols on the map indicate trends over the past 10 years**

▲: increasing

▼: decreasing

■: stable (no detectable change)

●: not enough data to evaluate a trend

Legend

Dissolved Chloride (mg/L)

- ▲ High-Range, Increasing
- High-Range, Stable
- ▼ High-Range, Decreasing
- ▲ Mid-Range, Increasing
- Mid-Range, Stable
- ▼ Mid-Range, Decreasing
- ▲ Low-Range, Increasing
- Low-Range, Stable
- ▼ Low-Range, Decreasing

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