



SOURCE WATER PROTECTION PROGRAM - ANNUAL SUMMARY 2022

PROGRAM OVERVIEW

TMWA has a robust Source Water Protection Program (SWPP) to improve and maintain regional drinking-water quality. A new component of TMWA's SWPP is the *2020 Integrated Source Water and 319(h) Watershed Protection Plan for Public Water Systems and the Truckee River in the Truckee Meadows* (2020 Plan). The 2020 Plan revolves around an [online tool](#) developed by the community to identify and map source water protection areas (SWPAs). This mapping facilitates actions that preserve and improve the quality of the groundwater, lakes, rivers, springs, and streams that supply drinking water to the public.

The sections below describe elements implemented from the 2020 Plan and other key components of TMWA's SWPP.

IMPROVED NDEP SPILL REPORTS

TMWA is notified by the Nevada Division of Environmental Protection (NDEP) when spills occur that could impact groundwater or surface water sources. TMWA has been working with NDEP and other agencies to improve the spill reporting process and ensure all entities are aware of SWPAs and response and notification protocols. Additionally, TMWA closely monitors ongoing and active spill release sites overseen by NDEP to prevent impacts to TMWA's groundwater supplies. TMWA reviewed 25 spill reports in 2022.

COLLABORATIVE PROJECTS TO PROTECT THE TRUCKEE RIVER WATERSHED

Many of these programs were in place before the completion of the 2020 Plan and are now integrated into the overall source water protection program. Firstly, TMWA is an active partner in the [One Truckee River Partnership Council](#) and a key implementation partner in the Truckee River Restroom Project. Construction started on a second public restroom along the river in 2022. Secondly, TMWA works throughout the watershed by funding projects to maintain and improve water quality through the [Truckee River Fund](#). Lastly, during 2022, TMWA increased collaboration with upstream stakeholders to improve forest management efforts and decrease the risk of wildfires that could impact source waters. In 2022, TMWA signed a Memorandum of Understanding to become part of the Middle Truckee River Watershed Forest Partnership with the US Forest Service, National Forest Foundation, Truckee River Watershed Council, and The Nature Conservancy.

DEVELOPMENT PROJECT APPLICATION REVIEWS

TMWA is notified of projects that are being reviewed by Washoe County's Planning and Building Division, City of Reno's Planning Commission, and Sparks Planning & Community Services Department. In addition to other internal TMWA reviews, these projects are evaluated for source water protection concerns. If concerns are noted, comments are provided to the applicants via the agencies. TMWA reviewed 50 agendas, and a small number of projects of concern were addressed through this process in 2022. Projects submitted as New Business Applications to TMWA that are located within the SWPAs are also reviewed for source water protection concerns. 51 projects were reviewed in 2022.

CENTRAL TRUCKEE MEADOWS REMEDIATION DISTRICT

TMWA actively engages with the Central Truckee Meadows Remediation District to ensure groundwater remediation and PCE prevention activities continue to protect TMWA's water supply wells.

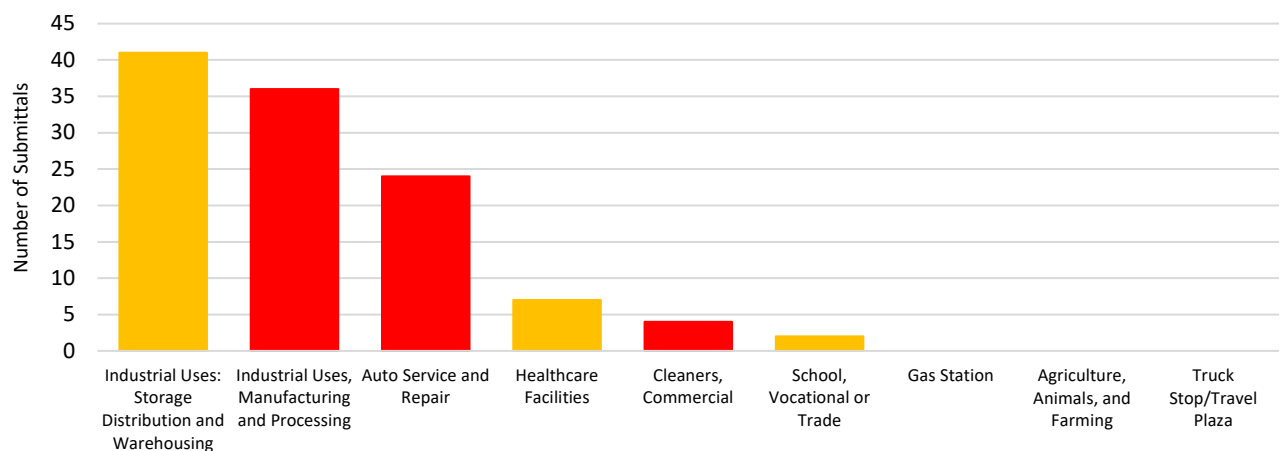
CITY OF RENO NEW BUSINESS LICENSE SUBMITTALS

One goal of the 2020 Plan was the implementation of development ordinances to protect source water. In 2020, the City of Reno amended their Title 18 Land Development Code to add a process for new businesses to notify TMWA if they fall within designated SWPAs.

TMWA is [notified](#) when new activities are planned within critical distances of sensitive water infrastructure (e.g., Truckee River, groundwater wells, etc.). This provides the opportunity for TMWA staff to educate those businesses about the location of drinking water sources and the SWPP. This cooperative process equips businesses with the information needed to take the measures required to help prevent future groundwater and surface water contamination.

TMWA received notifications from 118 business from January 2022 through December 2022, and TMWA contacted 37 of those businesses. Businesses were contacted if they were located within a Critical SWPA and/or the business type was of particular concern for water quality. On the graph below, red indicates business types of the highest concern and yellow are of moderate concern. The attached maps show locations for projects submitted and contacted in 2022.

2022 SOURCE WATER PROTECTION SUBMITTALS BY BUSINESS TYPE



2023 PROGRAM GOALS

Key goals for TMWA's Source Water Protection Program in 2023 include the following:

- Engage with Sparks and Washoe County to get source water protection notifications integrated into their business license submittal processes.
- Notify existing industrial businesses within the 5-year capture zones of TMWA's production wells.
- Continue collaborating with upstream entities to increase the pace and scale of forest health management projects to decrease the likelihood of and impacts from large-scale wildfires in the headwaters.
- Install one additional public restroom as part of the Truckee River Restroom Project in collaboration with One Truckee River.
- Update Source Water Protection Areas with any changes (annually).
- Work with Truckee Meadows Regional Planning Agency to include source water protection in planning efforts.

2022 Source Water Protection App Registrations

SWPA App Registrations (158)

Score = Location + Activity Type

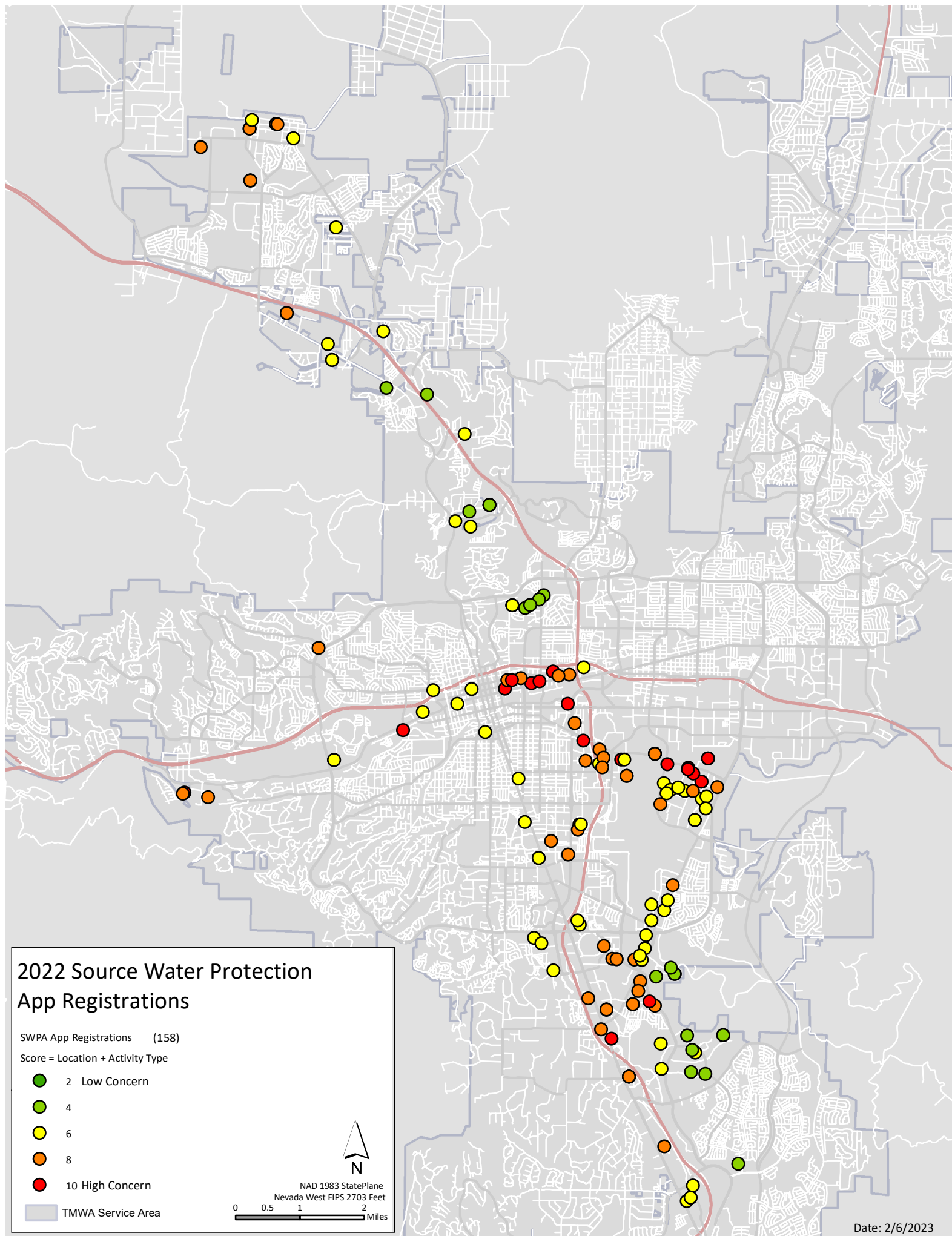
- 2 Low Concern
- 4
- 6
- 8
- 10 High Concern

TMWA Service Area



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Nevada West FIPS 2703 Feet
0 0.5 1 2
Miles

Date: 2/6/2023



2022 Businesses Contacted

- Contacted New Businesses (38)
- River and Tributary Buffers
- Source Water Protection Area
- TMWA Service Area
- Wellhead Capture Zones
 - 2-yr time-of-travel
 - 5-yr time-of-travel
 - 10-yr time-of-travel
 - 20-yr time-of-travel



NAD 1983 StatePlane
Nevada West FIPS 2703 Feet

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Miles

Date: 2/13/2023