Noncommunity Public Water Supply Assessment Report For

BLAIN ELEMENTARY

WSSN: 2008341

Source ID: 1

What is SWAS?	WSSN: 2008341 Source ID: 1
The Source Water Assessment Score (SWAS) is a process that factors geologic and water	County: KENT
well attributes, water chemistry, and the potential contaminant sources for each drinking water source into a ranking system to determine the relative potential for contamination. Generally,	<u>Contact</u>
sources with lower scores are considered to be less susceptible to contamination than sources	Name: BYRON CENTER PUBLIC SCHO
with higher scores. However, exceptions do exist. This assessment is required by the Michigan Source Water Assessment Program (SWAP) under the provisions of the 1996	Address: 240 84TH AVE City: BYRON CENTER
amendments to the Federal Safe Drinking Water Act.	State/Zip: MI 49315
Well Log and Location	
A well log is a legal document describing the well location, construction, depth, soil formations	Well Log Available: G Entered in Wellogic: Y
penetrated, and capacity. Drilling contractors have been required to complete a well log and submit it to the owner, local health department, and State since 1967. The lack of information from a well log	Wellogic ID Number: 41000000761
may increase the SWAS. Wellogic is an electronic database for well log information.	-
Geologic Sensitivity	Geologic Sensitivity - SWAS(G)
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Source Water Assessment for: <u>BLAIN ELEMENTARY</u>

Water Chemistry and Isotope Data Points are added if water sample results indicate detectable levels of nitrates or nitrites, volatile organic chemicals (solvents, fuel components), and/or synthetic organic chemicals (pesticides or herbicides). Tritium monitoring is included as a voluntary means of age-dating water. Generally, the older the water, the more protected the source. Point Range 0-50. (50 points = MCL violation) Susceptibility is Very High if contaminants exceed the Maximum Contaminant Level (MCL).	Water Chemistry and Isotope Data - SWAS(C) Nitrates and Nitrites: 10 SOC.VOC: 5 Tritium Results: 0
Isolation from Sources of Contamination	Total SWAS(C) Points: 15 Isolation from Contamination - SWAS(S)
Points are added based on the number and type of potential contaminant sources within the isolation distance (75 ft. from standard or 800 ft. from major contaminant sources). Examples of standard sources are septic tanks, sewer lines, and storm drains. Examples of major sources are chemical and fuel storage, landfills, lagoons, and known plumes of groundwater contamination.	Major Sources from 75 - 800 ft: $0 \times 10 = 0$ Major Sources within 75 ft: $1 \times 20 = 20$ Standard Sources within 75 ft: $0 \times 10 = 0$ Known Sources within 800 ft: $0 \times 25 = 0$
	Total SWAS(S) Points: 20
Source Water Assessment Score (SWAS)	Source Water Assessment Score - SWAS
The total SWAS is factored with the Geologic Sensitivity to determine the overall susceptibility to contamination.	30 + 45 + 15 + 20 = 110 SWAS(G) SWAS(W) SWAS(C) SWAS(S) SWAS
Susceptibility Determination	Susceptibility Determination
Susceptibility is a means to identify the relative potential of contamination for public water supply sources.	Based on the above compilation of source geology, well construction, water chemistry, and potential contaminant sources, this public drinking water supply is determined to have a Susceptibility Rating of:
	Very High