CRYSTAL VIEW ADULT FOSTER CARE	WSSN: <u>2012810</u>	Source ID: <u>1</u>
What is SWAS? The Source Water Assessment Score (SWAS) is a process that fact well attributes, water chemistry, and the potential contaminant source source into a ranking system to determine the relative potential for c sources with lower scores are considered to be less susceptible to c with higher scores. However, exceptions do exist. This assessment Michigan Source Water Assessment Program (SWAP) under the pro amendments to the Federal Safe Drinking Water Act.	es for each drinking water ontamination. Generally, ontamination than sources t is required by the	WSSN:2012810Source ID:1County:BENZIEContactName:PAUL KERRIDGEAddress:P.O. BOX 2160City:BENZONIAState/Zip:MI49635
Well Log and Location A well log is a legal document describing the well location, construction, de penetrated, and capacity. Drilling contractors have been required to comp to the owner, local health department, and State since 1967. The lack of in may increase the SWAS. Wellogic is an electronic database for well log in	lete a well log and submit it formation from a well log	Well Log Available: Y Entered in Wellogic: N Wellogic ID Number:
Geologic Sensitivity This score represents the degree of natural protection afforded by the mate bearing formation. Lower scores indicate more protection. Points are ded and type of geologic material that overlies the source of water. Surface co at varying rates dependent upon geological material and thickness. CCM sconfining Material (eg. clay). CPCM stands for Continuous Partially Confir and clay). More points are deducted for a thick clay layer than a thick sand Point Range 0-30.	ucted based on the thickness ntaminants migrate downward stands for Continuous ning Material (eg. mix of sand	Geologic Sensitivity - SWAS(G)CCM Points Deducted:0CPCM Points Deducted:0Total SWAS(G) Points:30Geologic Sensitivity Rating:High
Well Construction Points are added when a well lacks features that help protect the water sup These include whether the well was grouted (sealing the annulus that is cre and the soil formations during construction), the well age, how deep the ca ground, and how much water the well pumps, since larger volumes can pu distances. Point Range 0-15.	eated between the casing sing extends into the	Well Construction - SWAS(W)Well Grouting Points:15Well Age Points:5Casing Depth Points:5Pumping Rate Points:0
Susceptibility increases one level if well construction reflects an adverse co	ondition.	Total SWAS(W) Points: 25

Noncommunity Public Water Supply Assessment Report For

Source Water Assessment for: <u>CRYSTAL VIEW ADULT FOSTER CARE</u> WSSN: <u>2012810</u> Well No.: <u>1</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: 20 SOC.VOC: 0 Tritium Results: 0 Total SWAS(C) Points: 20
Isolation from Sources of Contamination 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.	Isolation from Contamination - SWAS(S)Major Sources from 75 - 800 ft: $0 \times 10 = 0$ Major Sources within 75 ft: $0 \times 20 = 0$ Standard Sources within 75 ft: $0 \times 10 = 0$ Known Sources within 800 ft: $0 \times 25 = 0$ Total SWAS(S) Points:0
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 + 25 + 20 + 0 = 75 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