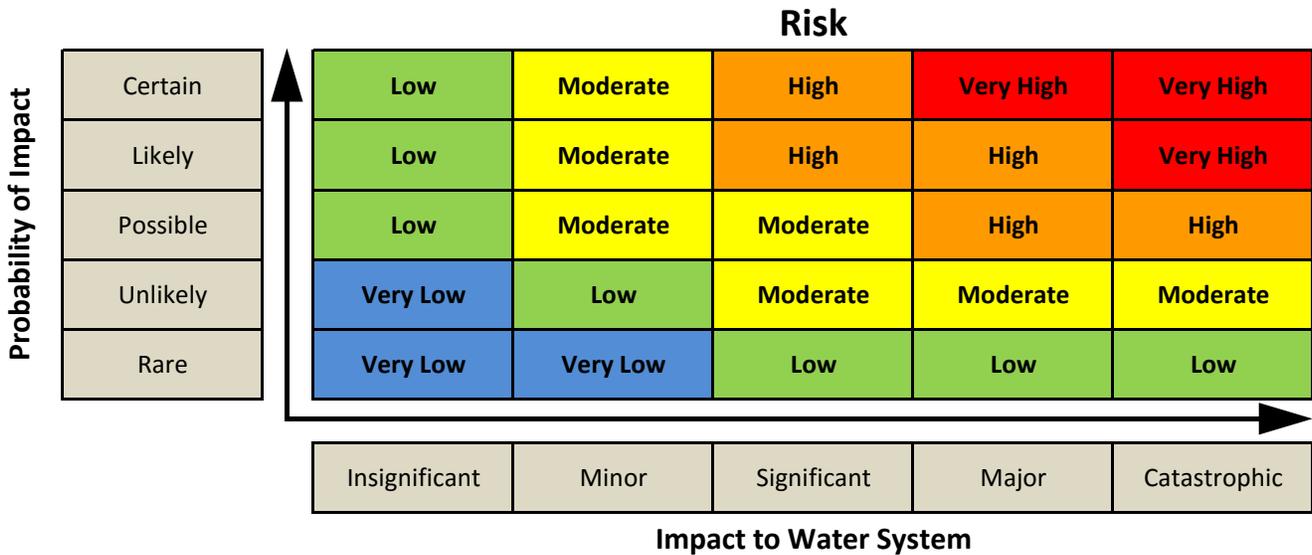


# SWAP Risk Assessment Matrix



**Instructions:** Use this matrix like a graph. Identify the "Impact to Water System" on the X axis, then identify the "Probability of Impact" on the Y axis. The risk is determined by the intersection of these two lines.

<b>Probability of Impact:</b> The following descriptions provide a framework to estimate the relative probability that damage or loss would occur within one to ten years.	
<b>Certain:</b>	>95% probability of impact
<b>Likely:</b>	>70% to <95% probability of impact
<b>Possible:</b>	>30% to <70% probability of impact
<b>Unlikely:</b>	>5% to <30% probability of impact
<b>Rare:</b>	<5% probability of impact

<b>Impact to Water System:</b> The following descriptions provide a framework to estimate the impact to the public water system.	
<b>Catastrophic:</b>	Irreversible damage to the water source(s). This could include the need for new treatment technologies and/or the replacement of existing water source(s).
<b>Major:</b>	Substantial damage to the water source(s). This could include a loss of use for an extended period of time and/or the need for new treatment technologies.
<b>Significant:</b>	Moderate damage to the water source(s). This could include a loss of use for an extended period of time and/or the need for increased monitoring and/or maintenance activities.
<b>Minor:</b>	Minor damage resulting in minimal, recoverable, or localized efforts. This could include temporarily shutting off an intake or well and/or the issuance of a boil order.
<b>Rare:</b>	Damage that may be too small or unimportant to be worth consideration, but may need to be observed for worsening conditions. This could include the development of administrative procedures to maintain awareness of changing conditions.

