

Summary of Regional Recommendations from Groundwater Studies / Protection Plans

| Development Recommendations | Priority / Comments |
|--|---------------------|
| Identify and protect future municipal residential drinking water supplies (e.g. land purchase, official plans, zoning) | |
| Identify groundwater quantity and quality constraint areas through regional characterizations (testing and analysis) | |
| Require the installation of a treatment system for bacteria on private water supplies | |
| Update D-series procedures to account specifically for sensitive groundwater areas | |
| Impose lot size restrictions based on site-specific groundwater sensitivity | |
| Adopt Ministry of Transportation Corridor Control Policy for setback guidelines to minimize road salt impacts on wells | |

| Well and Septic System Recommendations | Priority / Comments |
|--|---------------------|
| Enhance well construction standards in sensitive groundwater areas (provincial or municipal by-laws) | |
| Develop site-specific septic sewage disposal standards | |
| Increase required pilot testing prior to new sewage treatment system technology approval | |
| Establish variable well and sewage system minimum separations reflective of groundwater sensitivity | |
| Submit bacteriological and chemical water sample results with water well record | |
| Prohibit chipped, blasted and dug well in Plans of Subdivision | |
| Properly decommission (plug) unused wells | |
| Require mandatory inspections of wells and sewage disposal systems at time of property transaction | |
| Enhance Regulation 903 compliance in vulnerable areas | |

| Data and Monitoring Recommendations | Priority / Comments |
|--|---------------------|
| Establish a centralized georeferenced groundwater data portal | |
| Conduct research on karst limestone and fractured bedrock | |
| Improve soil data in WHPAs (make-up, depth etc.) | |
| Explore the relationship between surface water and groundwater | |
| Increase regional groundwater monitoring | |
| Fill data gaps for basic aquifer characterization | |
| Prioritize water quality testing per bedrock unit / predominant land use | |

| Education Recommendations | Priority / Comments |
|---|---------------------|
| Create Groundwater Protection Plan for rural residents (water use, well maintenance, well inspections, operation of water well supply system, water quality testing, treatment, transport pathways and reduce threat of potential contaminants. | |
| Establish a centralized education resource portal for groundwater protection | |
| Provide Ministry-lead municipal staff and Councillor groundwater management sessions | |
| Revitalize a Well Aware-Type Program | |

| Incentive Recommendations | Priority / Comments |
|---|---------------------|
| Provide financial incentives to unserved areas to reduce the risk to groundwater quality from transport pathways (i.e. sub-standard or abandoned wells, old fuel storages and septic systems) | |
| Prioritize incentives for upgrading wells constructed prior to 1974 | |
| Subsidize water quality treatment systems in high-risk areas | |
| Fund residential well water testing in gap areas / areas of concern | |