



Huron County Groundwater Study

Study Recommendations

Huron County Study Recommendations

- ◆ Regional Based Recommendations
 - 1) Organizational Structure
 - Water Protection Committee Formed
 - 2) Data Management
 - Still to be completed
 - 3) Intrinsic Susceptibility Mapping
 - Not currently implemented/referenced within Upper/Lower Tier Municipal plans

Huron County Study Recommendations

- ◆ Regional Recommendations cont'd
 - 4) Well Abandonment
 - Some initiatives being implemented, no strategy currently in place
 - 5) Sinkholes
 - ABCA Study completed with 2nd Phase to be completed in 2005
 - 4) Sentinel Well Monitoring Program
 - Huron County wells being sampled by C.A. staff for water quality. PGMN implemented by Conservation Authorities in conjunction with MOE.

Huron County Study Recommendations

- ◆ Regional Recommendations Cont'd
 - 7) Septic Systems Inspection and Pump-Out Program
 - To begin in 2005
 - 8) Best Management Practices
 - No specific implementation strategy
 - 9) Incentive Programs
 - Seed Money for program similar to Healthy Futures initiated by Huron County Council at the recommendation of this committee

Huron County Study Recommendations

◆ Regional Recommendations Cont'd

9) Watershed Based Source Protection

- ABCA and Maitland Valley C.A. have formed a watershed region for the purpose of Source Protection
- Project Manager Hired
- Hydrogeologist Selected
- GIS Technician Selected
- Start-Up Money in place

Huron County Study Recommendations

- ◆ Wellhead Protection Area Recommendations
 - 1) Municipal Leadership
 - No Municipal Strategy Developed to date
 - 2) Land Use Planning
 - General Policies included in Lower Tier Official Plans
No specific policies implemented to date
 - 3) Pilot Program
 - Hensall Pilot Completed: Additional Recommendations were forthcoming

Huron County Study Recommendations

- ◆ Wellhead Protection Area Recommendations
 - 4) Potential Contaminant Sources
 - Not completed to date. Could be incorporated into individual wellhead protection area strategies and source protection planning
 - 5) Implementation of Groundwater Management
 - Not completed to date. Should be incorporated into individual wellhead protection area strategies and source protection planning

Implementation Options

- ◆ Huron County Study – Regional Initiatives
 - 1) Incorporate ISI Mapping into Lower Tier Official Plans and Zoning By-Laws
 - Incorporate list of high risk land activities which would trigger a hydrogeological investigation before locating within sensitive areas

Implementation Options

◆ Huron County Study – WHPA Initiatives

- 1) Initiate Well Head Protection strategies within identified sensitive WHPA's
 - i) Benmiller
 - ii) Hensall
 - iii) Clinton
 - iv) Brussels
 - v) Seaforth
 - vi) Wingham
 - vii) Blyth

Implementation Options

- ◆ Huron County Study – WHPA Initiatives
 - Wellhead Protection Area Strategies
 - Refine contaminant database within each WHPA by determining types of chemical storage facilities, handling procedures, contingency planning
 - Locations of all wells within the WHPA
 - Potential restrictions on pesticide and fertilizer applications within sensitive areas
 - Education of landowners within WHPA
 - Incorporate policies within Lower Tier Plans

Hensall Pilot Study

◆ Hensall Pilot

- Study completed in Fall of 2003
- Definitive Groundwater Protection Plan not implemented
- Implementation model was developed which could be utilized for other Well Head Protection Area Plans
- Additional recommendations

Hensall Pilot Study

◆ Recommendations

- Co-ordinator/Facilitator needed at the Municipal/County level to spearhead the implementation process
- Information workshops need to be held within individual Municipalities to explain the results of the County Groundwater Study and discuss implementation of Wellhead Protection Area plans
- Individual Committees recommended for each WHPA
- All potential stakeholders within the WHPA need to be included or at least invited to sit on the committee
- Keep the process going !!!!!