

ATTACHMENT TWO:

Groundwater Management Area Committee
June 23, 2005
Rick Partipilo
Linn County Environmental Health Program

- (1) Zoning and development patterns may be useful in tailoring nitrate reduction strategies to specific land uses in the GWMA.
 - A house on one acre with a standard septic system contributes about the same amount of nitrogen to the groundwater as one acre of annual rye grass.
 - Other land uses may be quantified and mapped.
- (2) DEQ's Onsite Wastewater Treatment System Rules include a "geographic area special consideration" for the River Road-Santa Clara area of Lane County. This geographic rule restricts development density.
 - A geographic rule could be considered for all or part of the GWMA.
- (3) DEQ rules also include a nitrate standard that limits development density statewide under certain conditions.
 - Fine textured soils are considered to be protective of groundwater resources.
 - Installation of standard septic systems in coarse textured soils above a permanent water table is limited to a maximum density of 1 residence per acre.
 - Installation of alternative systems and treatment technologies in coarse textured soils above a permanent water table is limited to a maximum density of 2 residences per acre.
 - The existing nitrate standard could be reviewed and modified based on the findings of the LaPine project.