

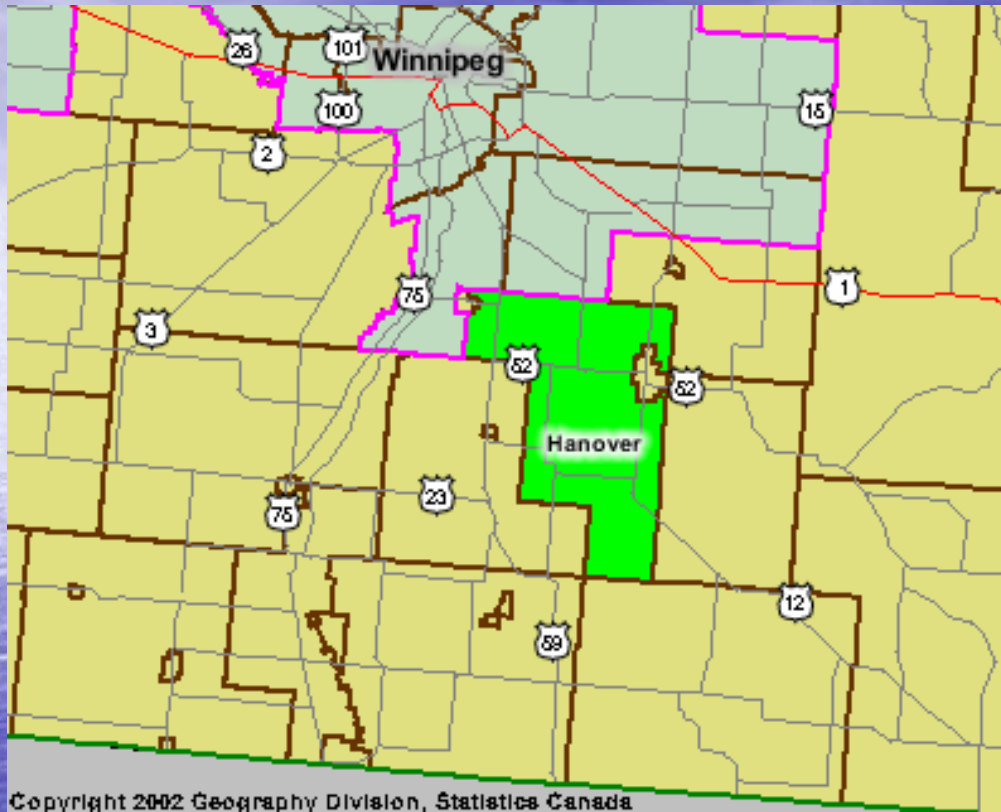
The Rural Municipality of Hanover

Submission to the CEC

April 11th, 2007

Friedensfeld, MB

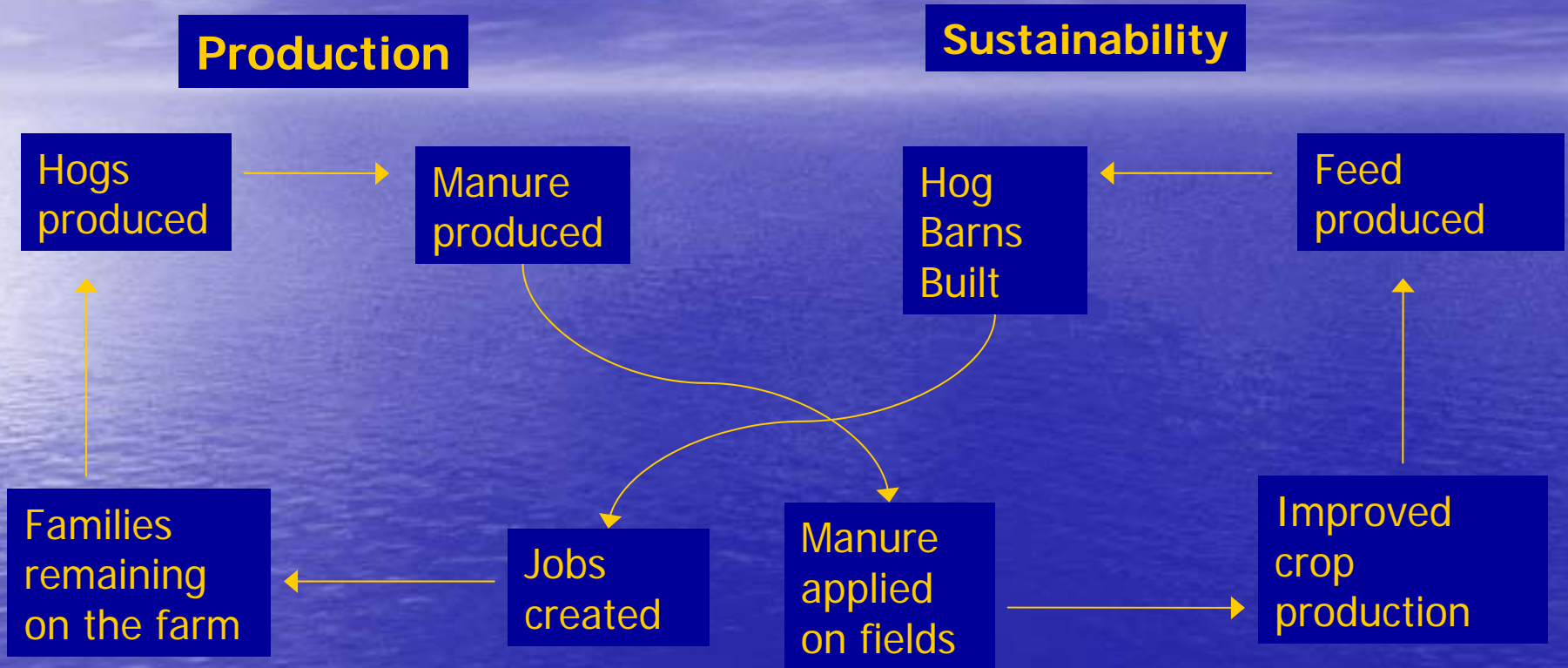
Where is the R.M. of Hanover?



What is Hanover's background in Livestock?

- Hanover's Livestock Intensity
 - Approximately 16% of Manitoba's Hog population
 - Approximately 26% of Manitoba's Poultry population
 - Approximately 10% of Manitoba's Dairy population
 - Approximately 5% of Manitoba's Beef population

Hog Production Sustainability



Outputs

Jobs
Hogs
Manure

Outputs

Return of Nutrients to Field
Reduction in Man-Made
Fertilizer used
Increased Crop Production
Barn Construction

Hanover Management of Livestock Production Operation Sustainability

- Land Use Planning
 - Development Plan
 - Zoning By-Law
- Conditional Use and Enforcement
- Tracking by use of GIS
- Hanover Concerns

Hanover Development Plan

- Hanover has objectives to Preserve and Promote Agriculture. (3.2.1 & 3.2.2)
- Our By-Law allows for controlled expansion (but not unlimited growth) of livestock production;(3.2.3 & 3.3.4)
- Requires applicants to address nuisances, conflict and environmental impacts. (3.2.3)
- Considers Soil type, crop type, environmental conditions, and changing livestock regulations (3.3.4)
- Hanover established maximum sizes for individual livestock production operations. (3.3.7)
- Prohibits new livestock operations within close proximity of rural residential and urban centres (3.3.8)

Hanover Development Plan

- Requires compliance with guidelines (3.3.9)
 - Controls odours
 - Minimizes potential for pollution of soils, groundwater and surface water
 - Conditional Use process
 - Mutual separation distances
 - Provincial guidelines and regulations
- Soil & Groundwater Conditions (3.3.11)
 - Spring & Summer application only
 - Shallow injection and surface application
 - Crop nitrogen uptake
 - Monitoring of soil, groundwater and plant tissue
 - Accurate record keeping of manure management data

Hanover Development Plan

- Establishment, Expansion or Subdivision of Livestock Production Operations
 - Type & size of operation
 - Compliance with Provincial guidelines and requirements
 - Available land base
 - Manure Management Plan
 - Technical Review Report, when required
 - Manure disposal system and disposal sites
 - Proximity to designated truck routes
 - Nature of surroundings and neighbouring land uses

Zoning By-Law

- New Livestock Production Operations (LPO's) proposing an Earthen Manure Storage will require a minimum of 80 acres.
- All LPO's proposing liquid manure storage facilities will be required to provide bottom loading of liquid manure, apply a storage cover; and use the most current odour reducing techniques available at the time of approval.
- Rural "R" Zone – New LPO's are limited to 350 Animal Units (AU), with expansions not to exceed 600 AU unless supported by the Technical Review report and meets all separation distance requirements.

Zoning By-Law

- Establishes maximum sizes for operations without requirement for Conditional Use Hearing.
- Establishes permitted limits on new and expanding LPO's
- Prohibits the establishment of new LPO's on parcels of less than 40 acres
- Prohibits new LPO's within ½ mile of Rural Residential Areas
- Prohibits new LPO's within 1 mile of urban centres
- Establishes setbacks for LPO's from property lines, surface water and springs or wells
- Establishes setbacks for manure storage and spreading from property lines and designated residential areas
- Maintains mutual separation distances between dwellings and LPO's based on LPO size
- Public Hearing Process notification gets larger as the LPO proposed gets larger.

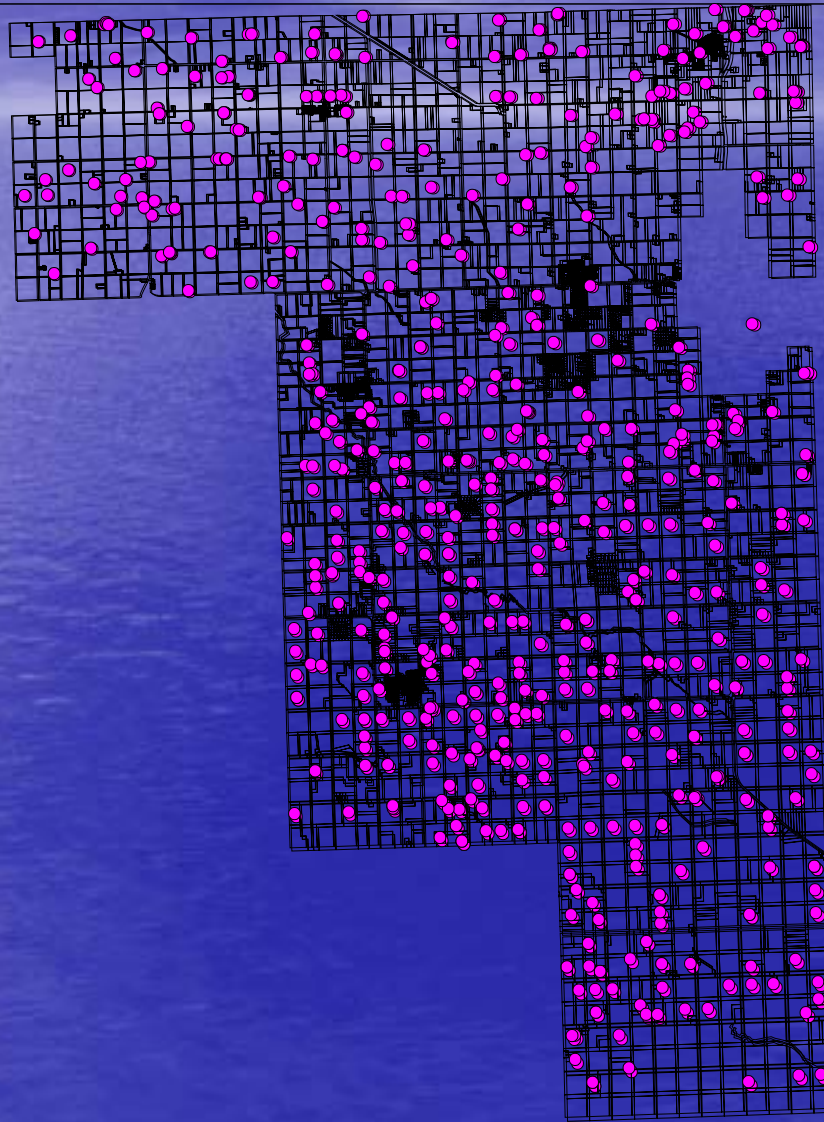
Livestock Conditional Uses

- Council shall consider the following:
 - Type of operation and livestock
 - Size of operation
 - Manure management system
 - Manure application system
 - Nature of area
 - Prevailing winds
 - Traffic impact
 - Neighbouring land uses, setbacks to non-compatible uses
 - Land base under ownership and agreement
 - Farm Practices Guidelines
 - Livestock Manure and Mortalities Regulations
 - Changes from one animal species to another
 - Increase in Animal Units from what is already approved
 - Reduction in parcel size
 - Changes to any previously imposed conditions

Tracking Livestock with GIS

- Hanover is a leader in the use of GIS to track livestock growth
- Can provide a visual review of a proposed LPO
- Allows Council to consider public concerns and document actual setbacks, mutual separations and claimed spread areas in an open forum

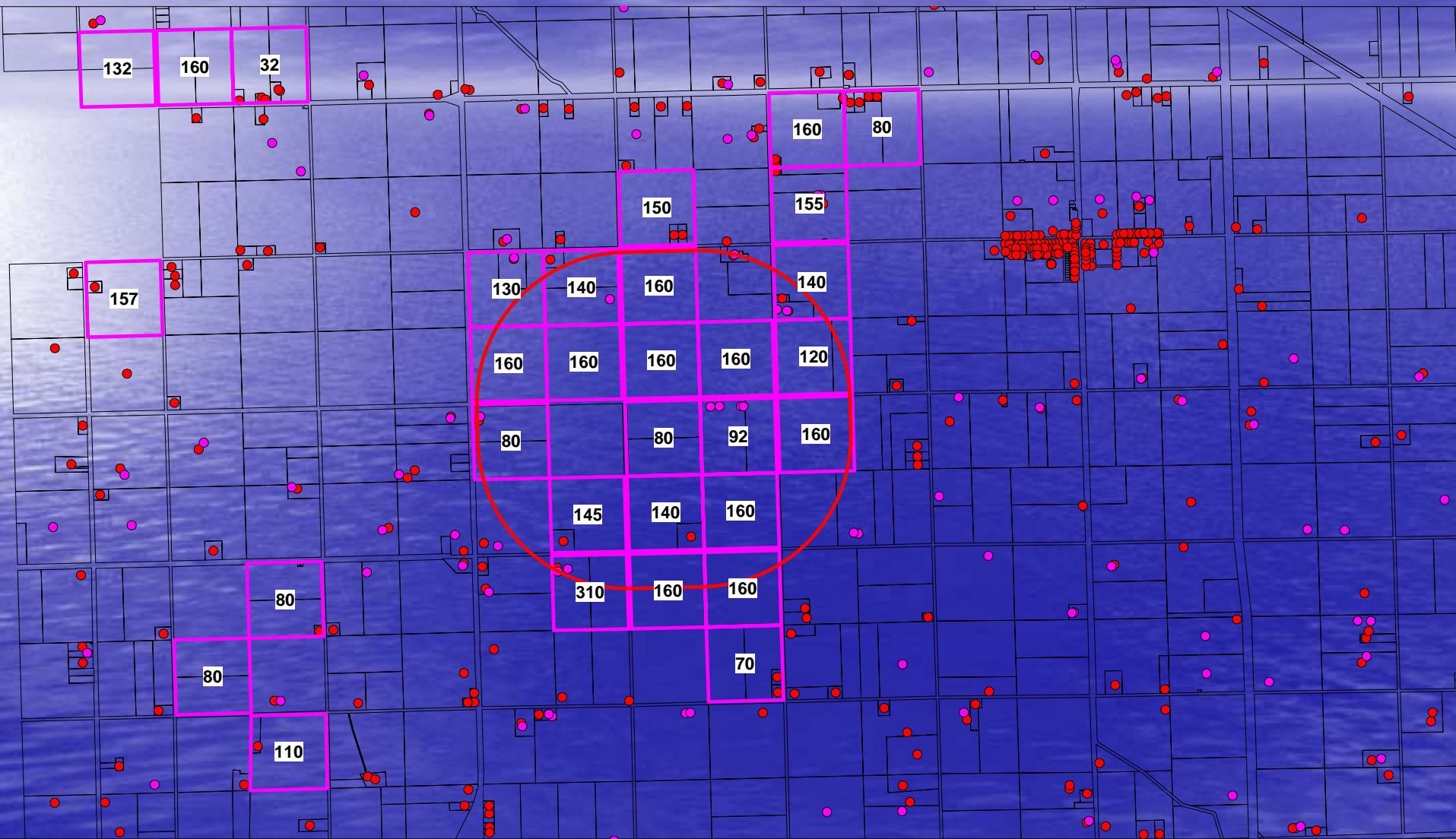
Livestock Operations in Hanover



LPO's in relation to Zoning



GIS Livestock Analysis



Hanover LPO Analysis

- Livestock analysis - Summary Log
- Buffer size: 1.0 mi
- Number of residences in buffer: 7
- Number of livestock operations in buffer: 11
- Existing operations: Animals AU
- -----
- Total: 83,200 3,554.8
- Existing Spread Acres: Annual Forage Pasture
- -----
- Total Acreage: 4113 70 0
- Approximate spread acres used in Buffer: 1,917
- Approximate acres available in Buffer: 1,114

Summary

Hanover Concerns with LPO Controls

- Local Government should make local Land Use decisions.
- Manitoba's Provincial Planning Act does not allow Municipal Council's to deal with matters dealing with odour, manure application, new technologies or livestock density or local acceptance toward livestock production operations.
- Development Plan and Zoning By-Law are only four years old and are outdated/invalid in dealing with LPO's
- Province measures sustainability by Phosphorus not Nitrogen
- Municipalities can and are acting responsibly in dealing with LPO developments.