



Metropolitan Area Water Supply Advisory Committee

Water Supply Master Plan Overview

February 28, 2007



Goal



Ensure safe, secure, reliable, cost-effective and equitable water supplies for current and future generations



Master Water Supply Plan



- Roles and responsibilities
- Water resource evaluation tools
- Water supply issues and options
- Recommendations



Planning Process



Roles and Responsibilities



- **DNR, MDH and Council roles**
 - Assessments
 - Decision making and approvals
- **Water supplier responsibilities (water supply plan)**
 - Water supply system
 - Emergency preparedness
 - Conservation
- **Decision-making process flow-chart**
 - Water supply plan approval
 - New/additional appropriation approval

Resource Evaluation Tools



■ Data and analyses

- Water resources (Metro Model)
- Population/water demand
- Supply systems
- Engineering costs



■ Conservation toolbox

■ Emergency preparedness resources

■ Monitoring plan

- Groundwater
- Surface water

Water Supply Issues and Options



■ Resource availability + Projected Demand

■ Issues

- Withdrawal impacts
- Aquifer availability
- Climate
- Contamination

■ Communities' water supply options

- Specific aquifers
- Groundwater/Surface water
- Interconnections
- Reuse
- Conservation

■ Evaluation process



Recommendations



Legislative and Administrative

- **Decision making process**
- **Water conservation**
- **Ongoing evaluation**
 - Low-flow studies
 - Monitoring
 - Contamination analysis
 - Sub-regional evaluation
- **Funding**
 - Water supply planning
 - Capital improvements



Schedule



■ Advisory Committee Meetings:

- March 27, 2008
- April 24, 2008
- May 22, 2008
- June 26, 2008
- July 24, 2008
- August- September Workshops
- October 23, 2008
- November 20, 2008









■ Master Plan Completion December 2008

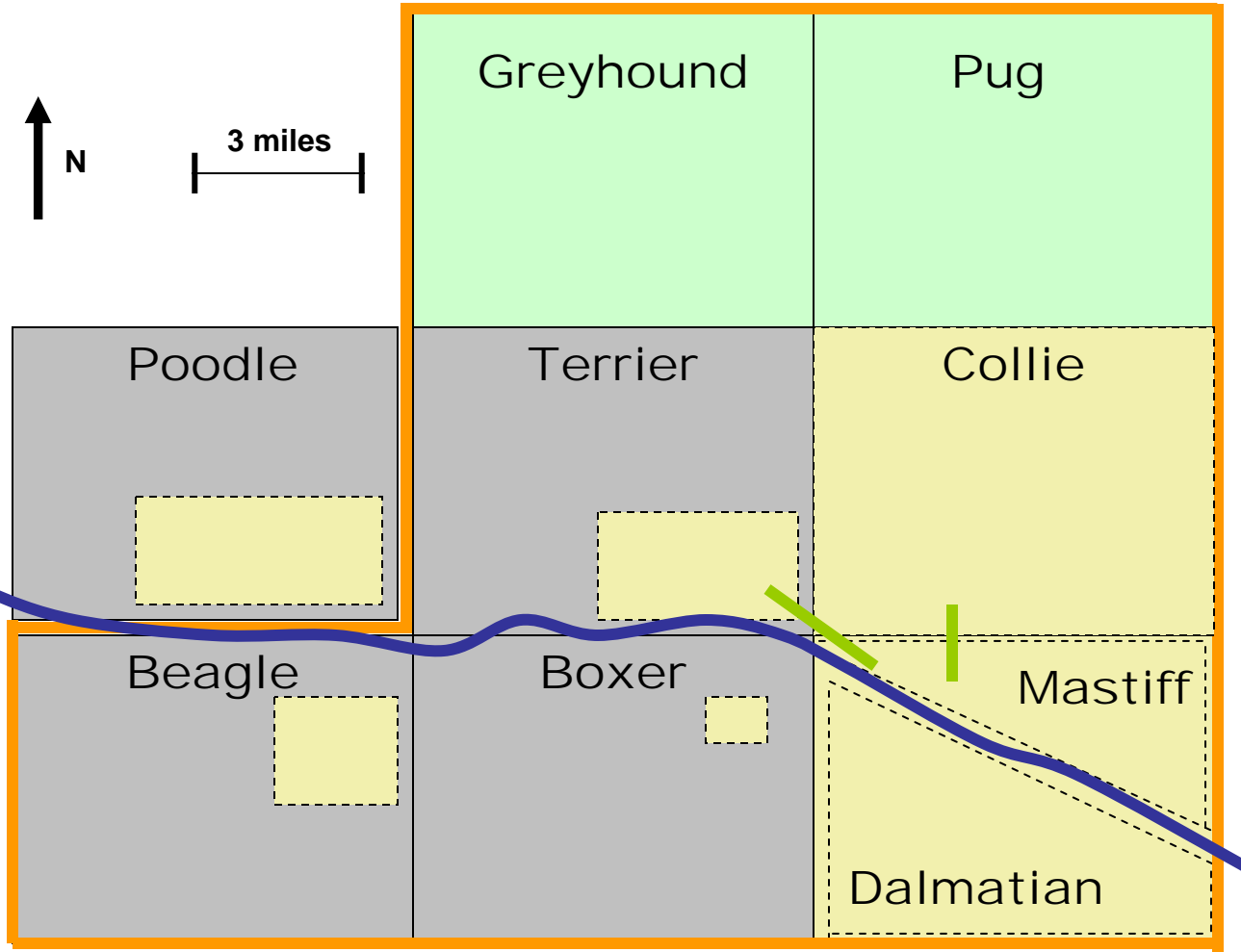
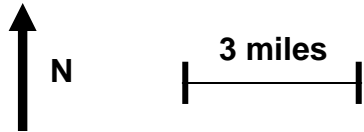
- Note: tentative dates subject to change

Exercise #1


Workshop Area Map

Legend

-  Harmony River
-  Emergency Interconnection
-  Community Boundary
-  Current Service Area
-  Region Boundary
-  Developed Area
-  Developing Area
-  Diversified Rural



Purina Aquifer 

Kibbles 'n Bits Aquifer  (Use statutorily restricted in the Region)