

Natural Resources Commission Meeting



NRC Policy Committee on Wildlife and Fisheries
February 9, 2012

NRC Policy Committee on Wildlife and Fisheries

February 9, 2012

- Updates
 - Fisheries Division Chief Update
 - Wildlife Division Chief Update
 - Bear Population Discussion



NRC Policy Committee on Wildlife and Fisheries

February 9, 2012

- NRC Action
 - Mentored Youth Hunting Program (WCO-2)
- Director – For Information (Action in March)
 - Land Use Order to Regulate Use of Lapeer SGA (LUOD-1)
- Director's Action
 - State Licensed Commercial Fishing (FO-243)



Fisheries Division Update



Jim Dexter, Acting Chief
Fisheries Division
February 9, 2012



2012 Black Lake Sturgeon Season

- Unique fisheries require unique management
- 5 day season
- 7 sturgeon harvest limit for Black Lake



2012 Black Lake Sturgeon Season

- Success!
- Season was over in 2 hours with 2 fish iced



2012 Black Lake Sturgeon Season

- 197 anglers
- 7% out of state





Thank You



www.michigan.gov/fishing

Wildlife Division Update



Russ Mason, Chief
Wildlife Division
February 9, 2012



Update

- Wolf delisting
- Citizen Waterfowl Advisory Committee meeting
 - March 3rd, RAM Center, 9am-3pm
- Remaining restrictions on hunting from elevated blinds





Budget Update

Russ Mason

GPS Goals

Goal 1: Manage for sustainable populations of wildlife species

Goal 2: Manage habitat for sustainable wildlife populations in a changing environment

Goal 3: Mitigate the negative impacts of human land use on wildlife habitats

Goal 4: Increase public participation, acceptance, and support of hunting and trapping and increase participation in non-consumptive wildlife-related recreation

Goal 5: Improve communication and engagement with the public regarding wildlife issues

Goal 6: Foster positive working relationships with other agencies and organizations



GPS Goals

Goal 7: Improve internal communications and relationships

Goal 8: Increase effectiveness and reduce time and energy needed to complete administrative processes

Goal 9: Provide equipment and facilities to fulfill Wildlife Division program priorities

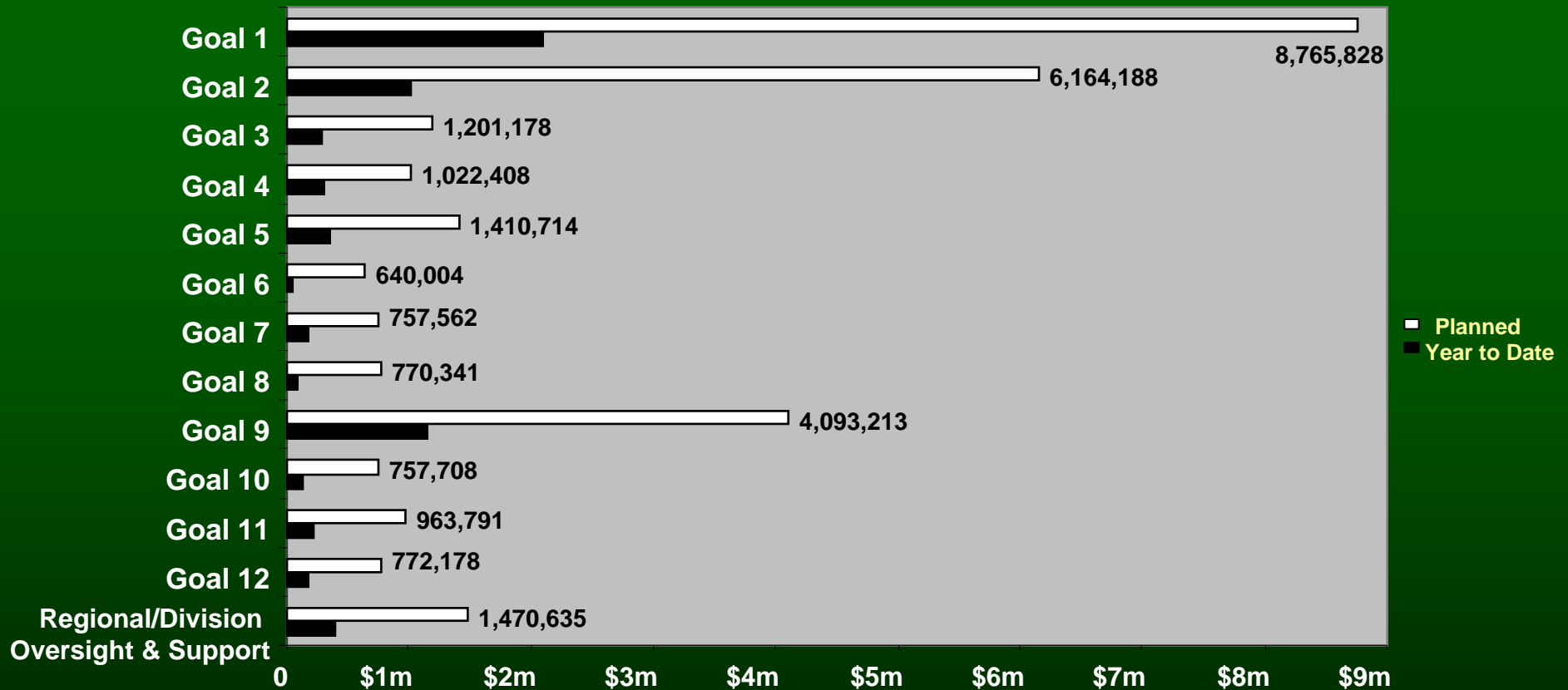
Goal 10: Attract, develop, and retain a highly qualified work force

Goal 11: Effectively fund priorities identified in this strategic plan

Goal 12: Address our established priorities while being more appropriately responsive and less reactive to emerging and urgent issues



Expenditures by GPS Goal



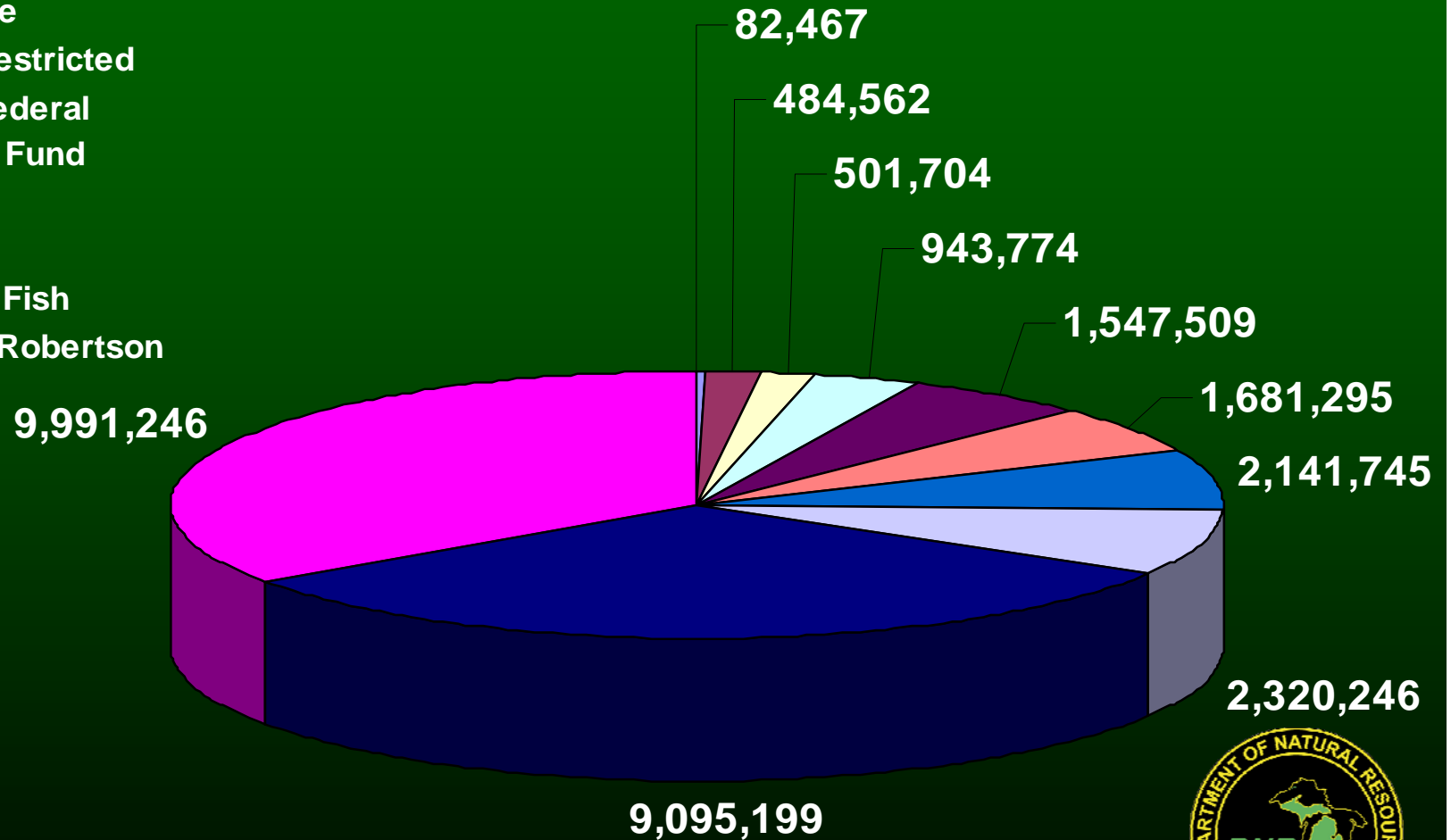
Total Planned Expenditures by Goal: \$28,789,747

Regional/Division Oversight & Support: Division executive staff, regional managers, and regional support staff provide oversight and support for all GPS goals. This includes development and direction related to the Division goals, personnel supervision, budgeting, fostering conservation partnerships, and oversight of regional habitat and populations management programs.



Expenditures by Fund Source

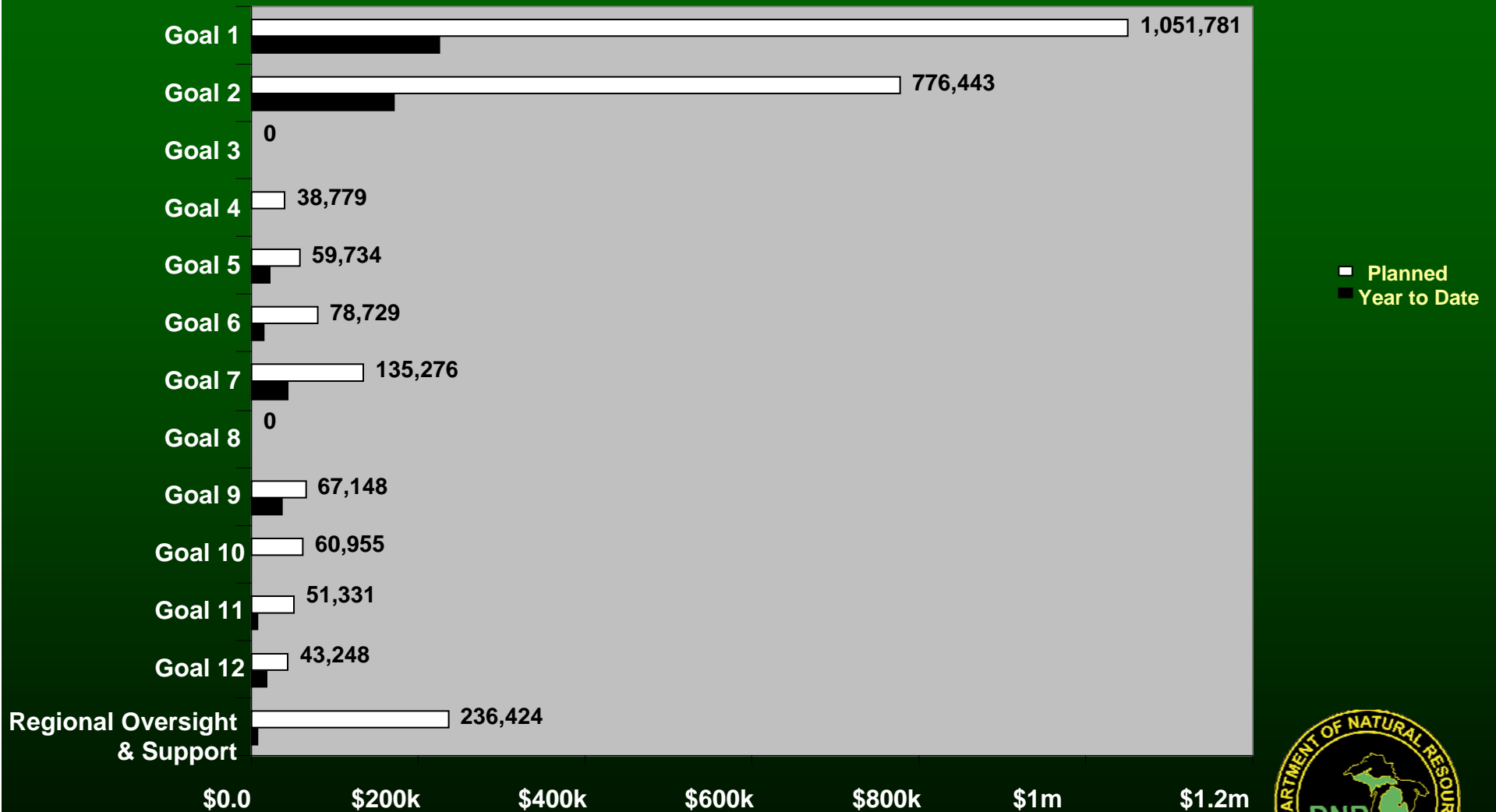
- Waterfowl
- State Wildlife Grants
- Nongame
- Other Restricted
- Other Federal
- General Fund
- Turkey
- DRIP
- Game & Fish
- Pittman Robertson



Total Planned Expenditures by Fund Source: \$28,789,747

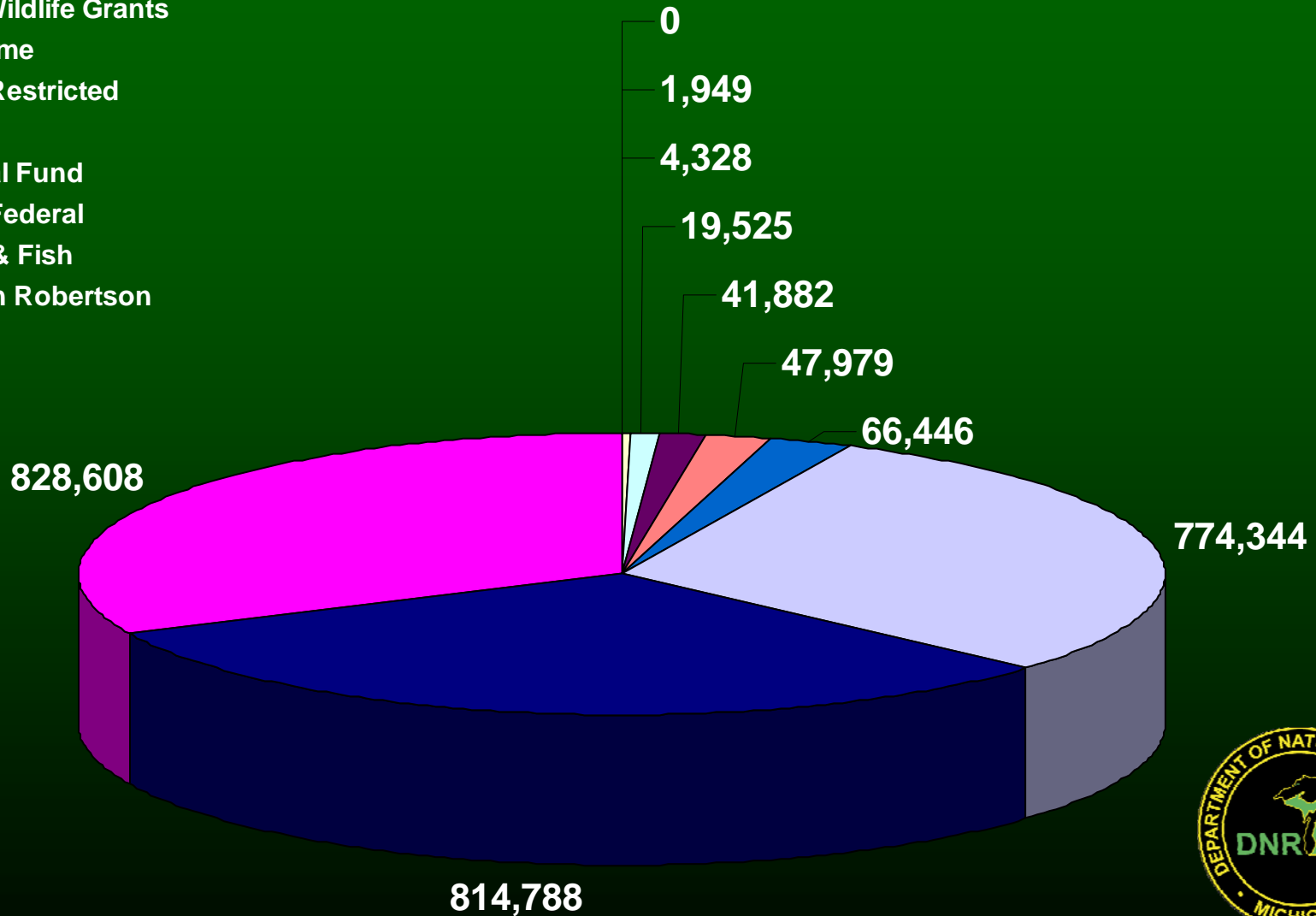


Upper Peninsula Region by Goal

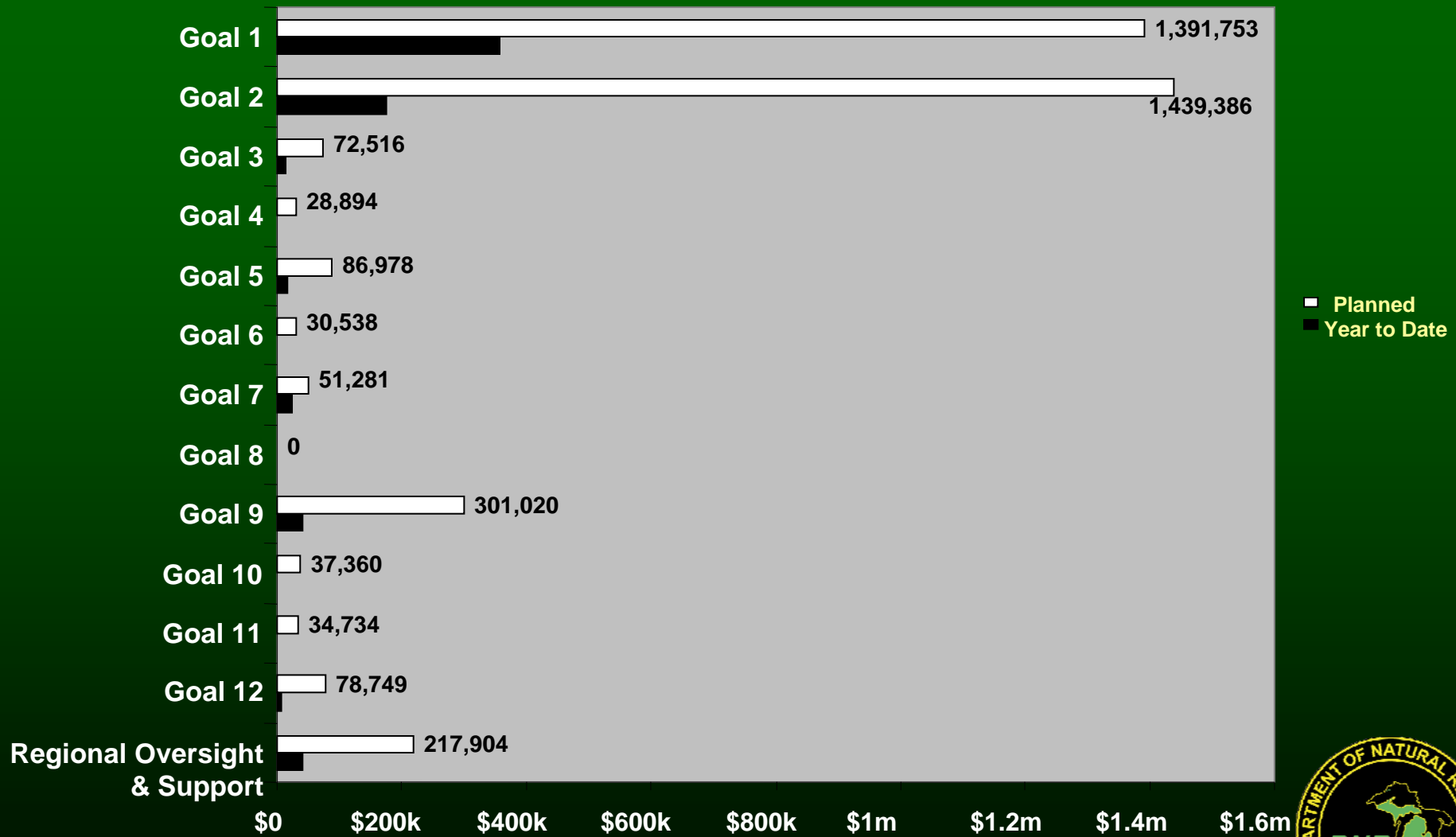


Upper Peninsula Region by Fund Source

- Waterfowl
- State Wildlife Grants
- Nongame
- Other Restricted
- Turkey
- General Fund
- Other Federal
- Game & Fish
- Pittman Robertson
- DRIP

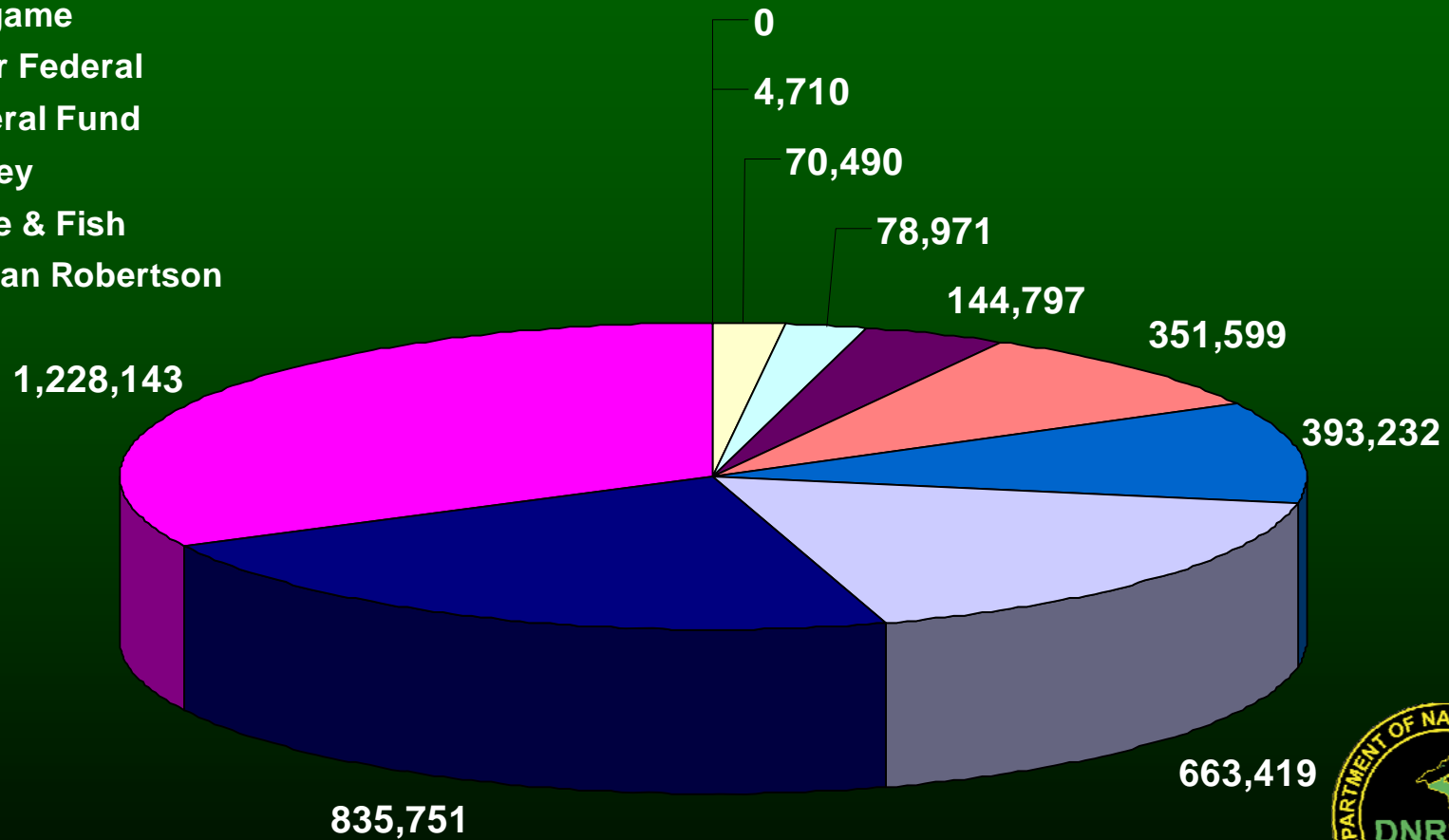


Northern Lower Region by Goal

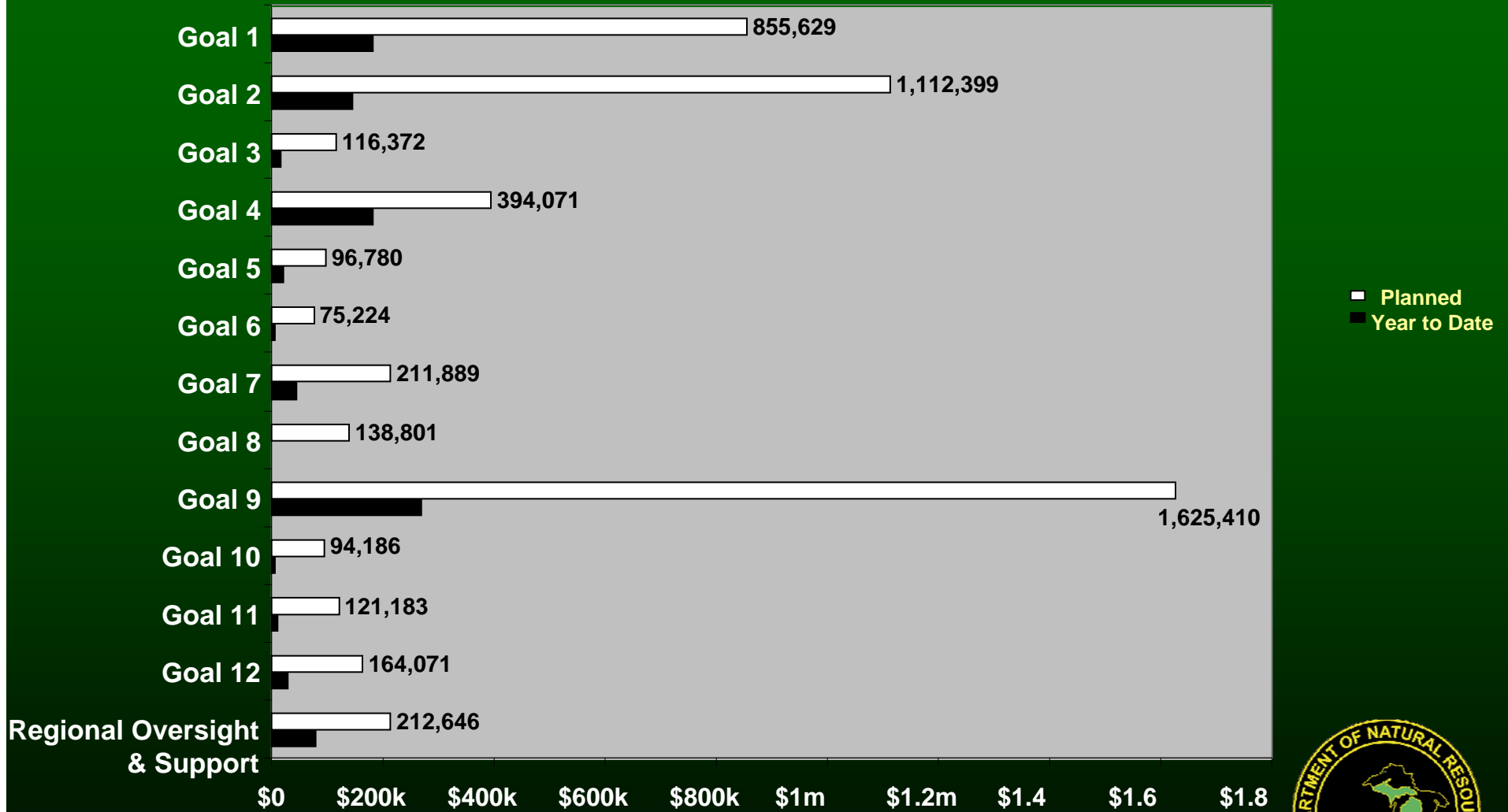


Northern Lower Region by Fund Source

- Waterfowl
- State Wildlife Grants
- Other Restricted
- Nongame
- Other Federal
- General Fund
- Turkey
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- Pittman Robertson
- DRIP

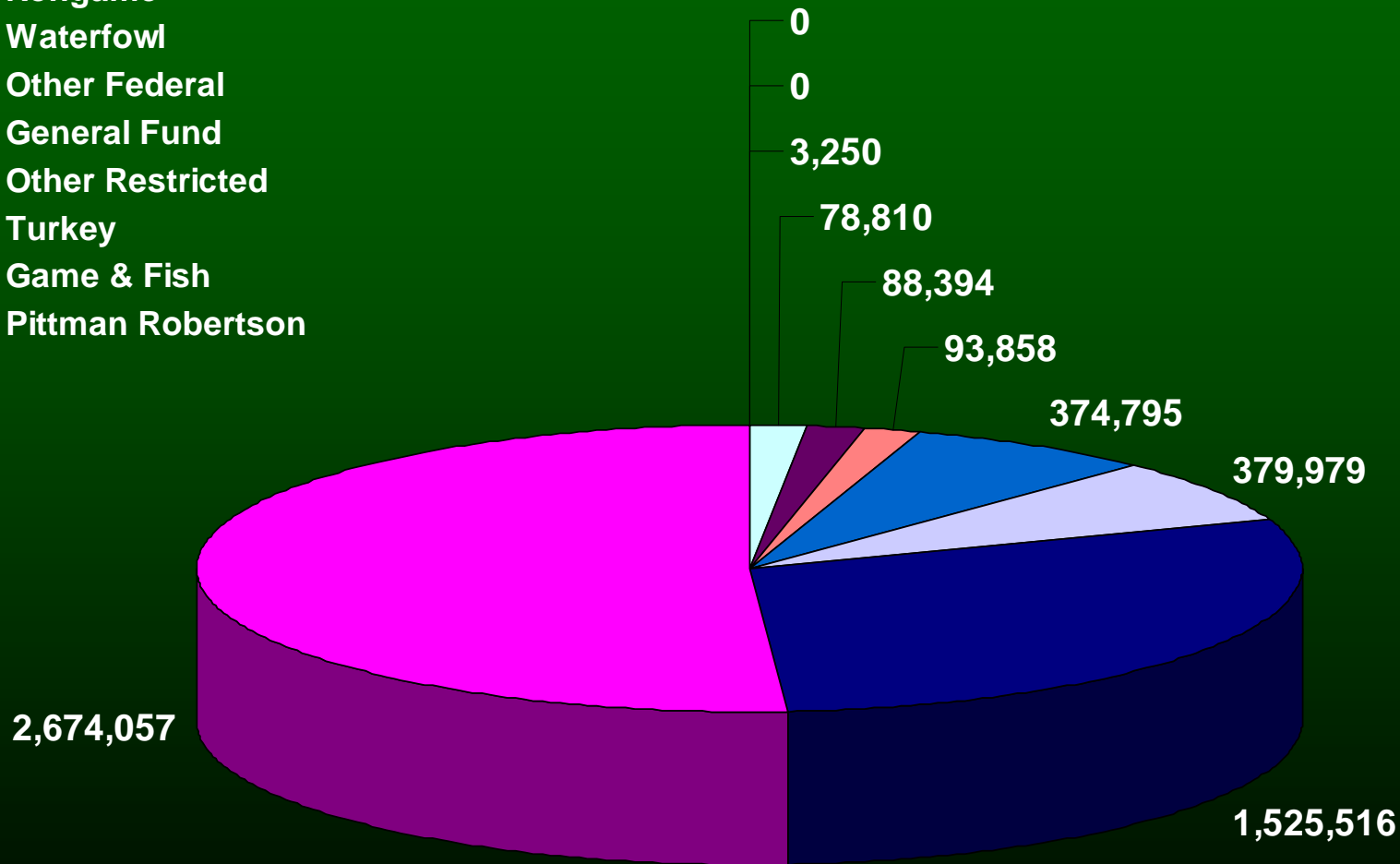


Southeast Region by Goal

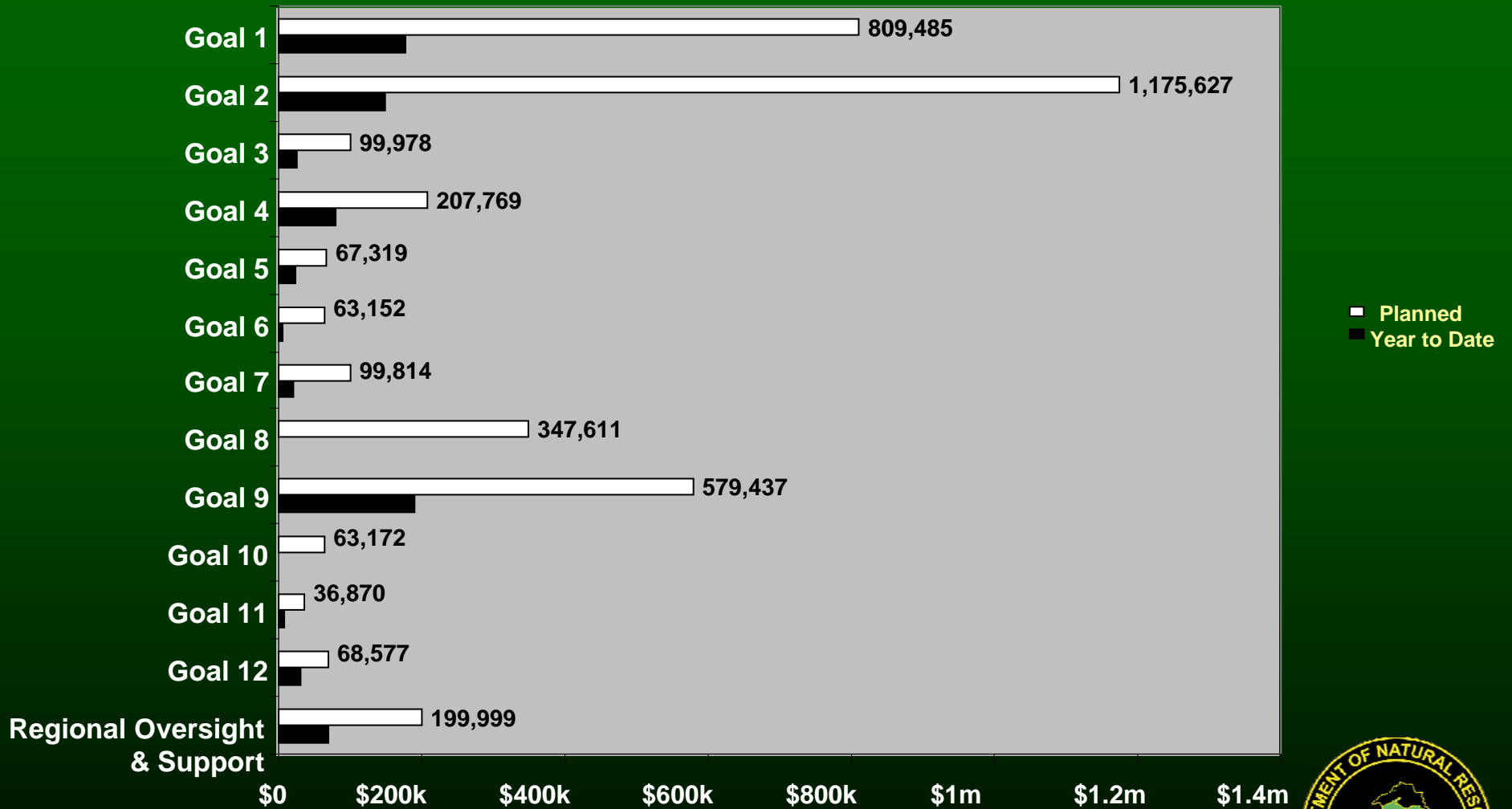


Southeast Region by Fund Source

- State Wildlife Grants
- DRIP
- Nongame
- Waterfowl
- Other Federal
- General Fund
- Other Restricted
- Turkey
- Game & Fish
- Pittman Robertson

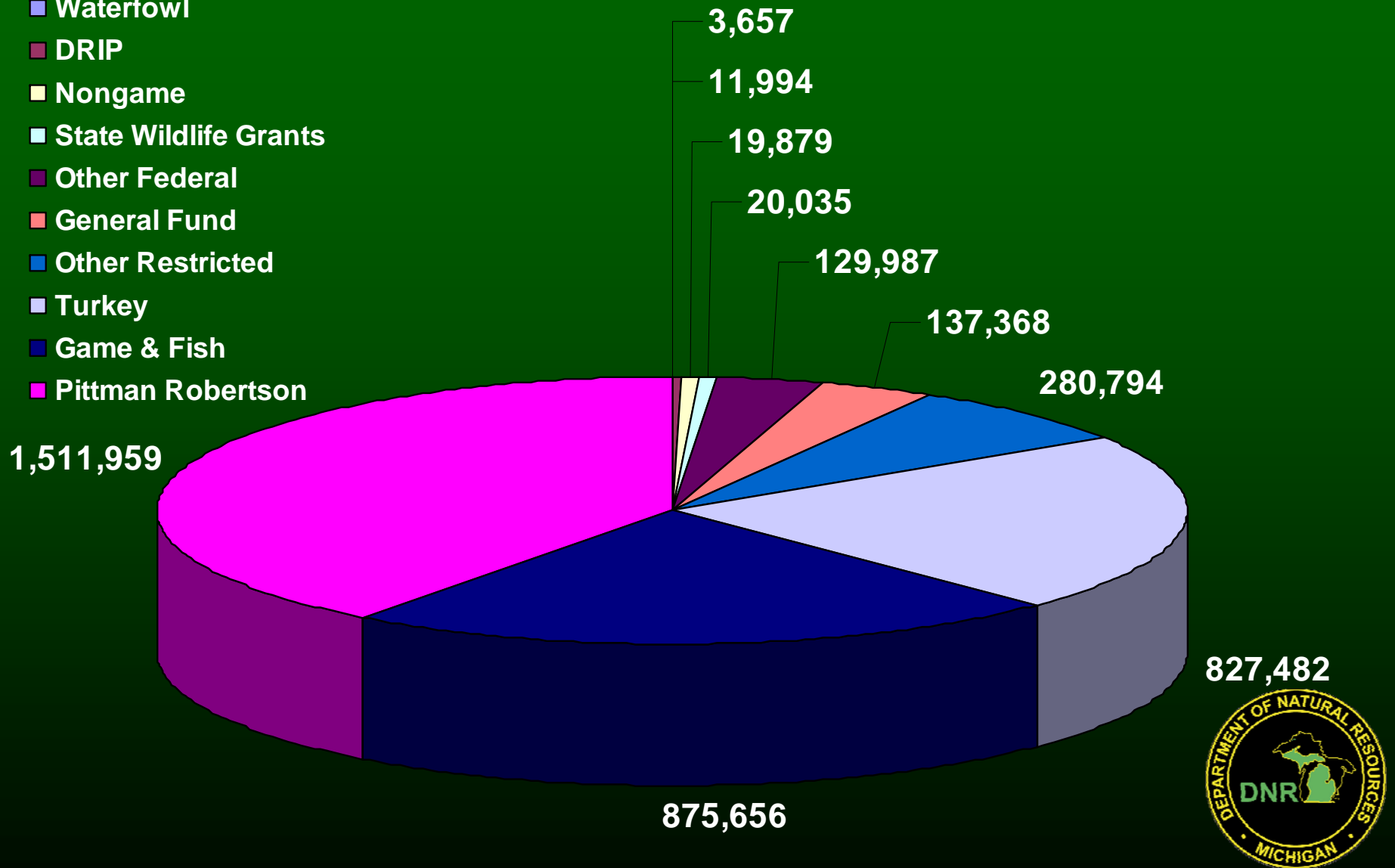


Southwest Region by Goal

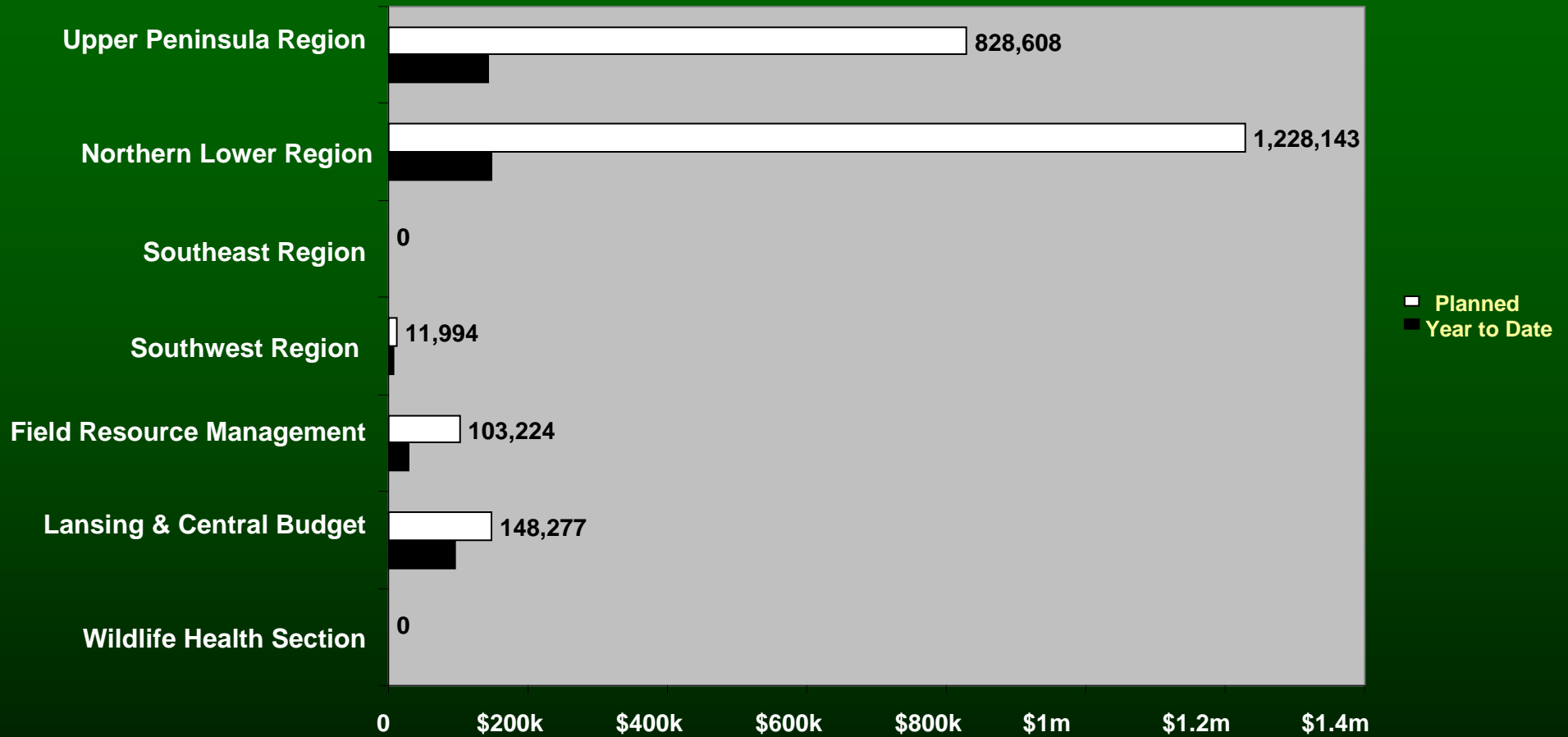


Southwest Region by Fund Source

- Waterfowl
- DRIP
- Nongame
- State Wildlife Grants
- Other Federal
- General Fund
- Other Restricted
- Turkey
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- Pittman Robertson



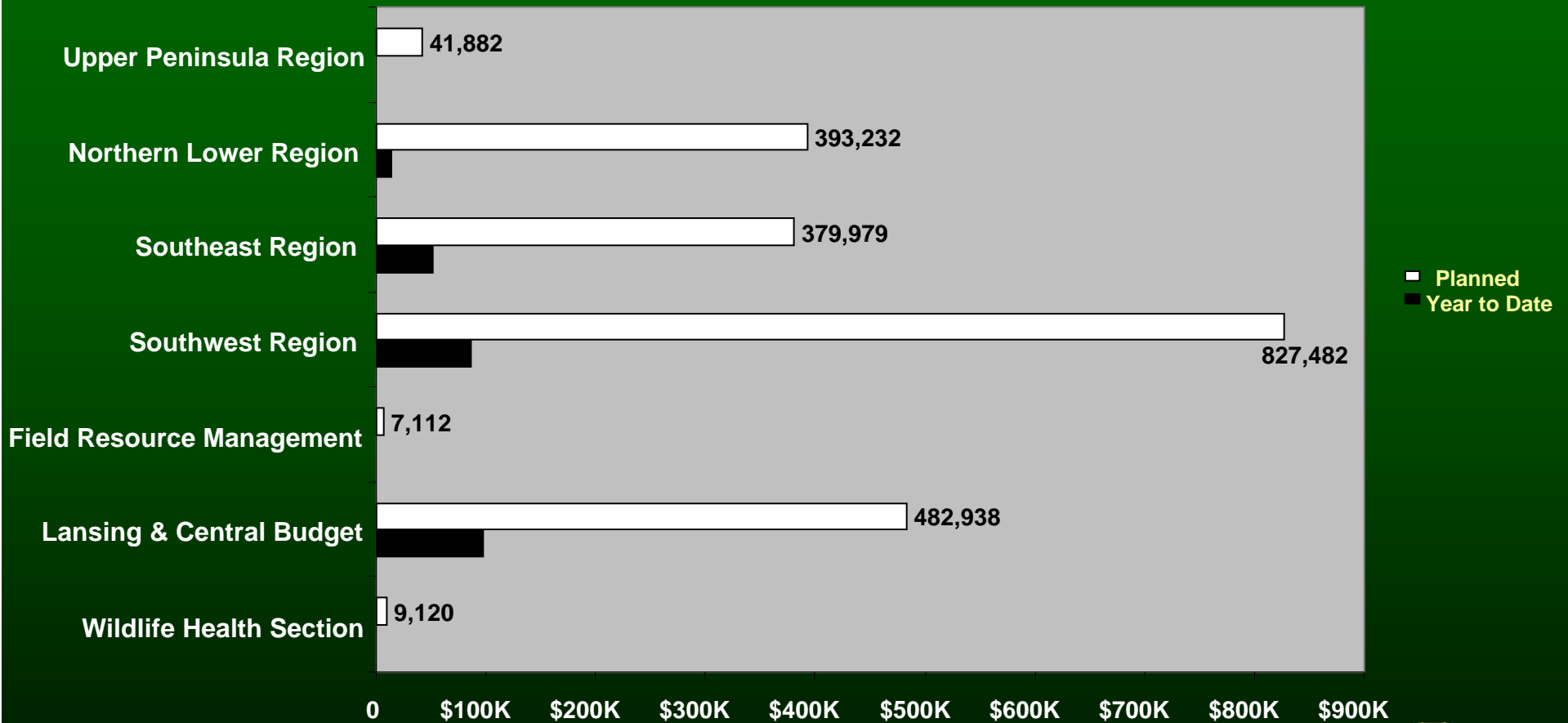
DRIP by Region/Section



Funds are derived from one dollar and fifty cents of the license fee for each firearm deer, bow and arrow deer, antlerless and resident sportsperson's license. Funds are used for improving and maintaining a habitat for deer and for the acquisition of lands for an effective program of deer habitat management.



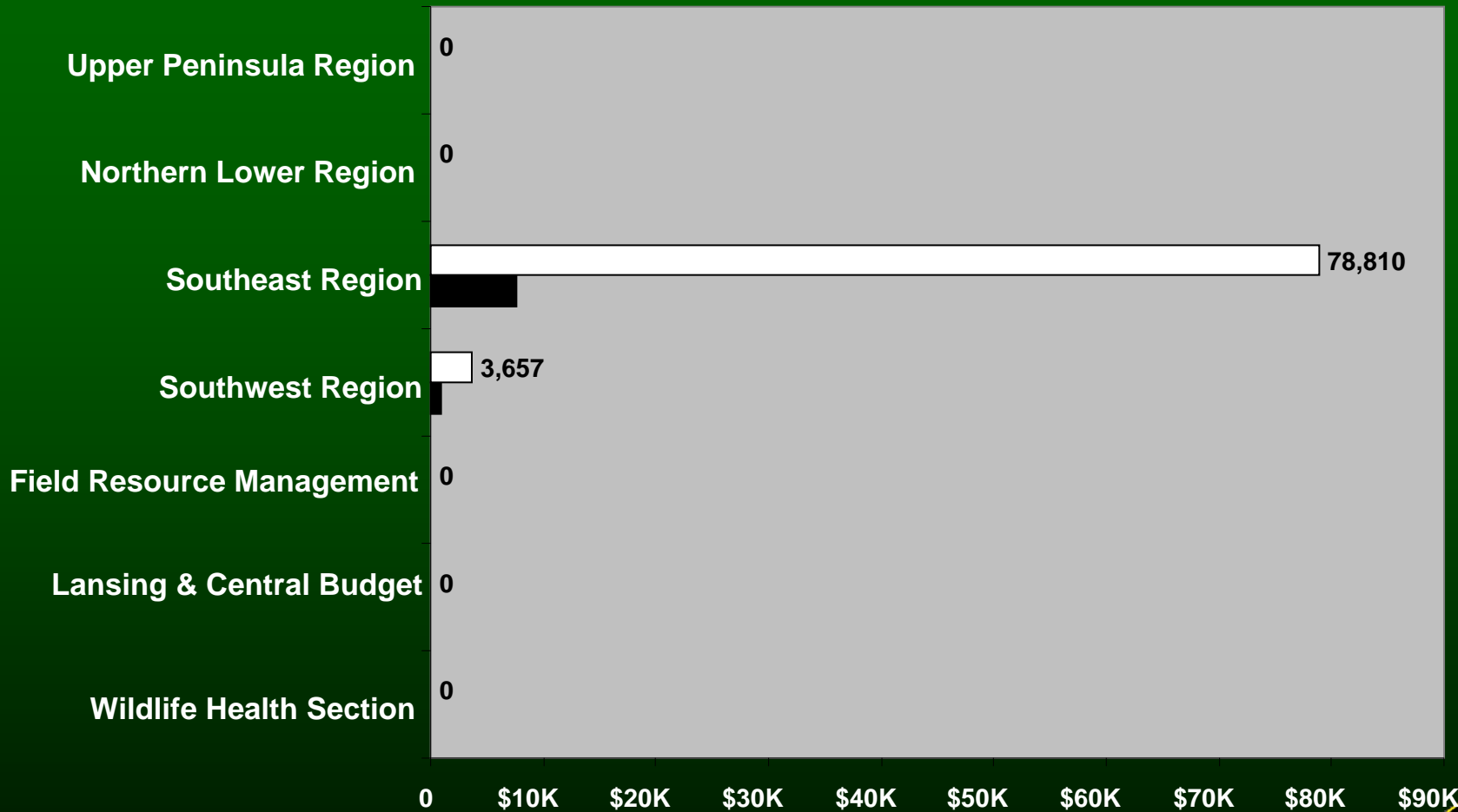
Turkey by Region/Section



Funds are derived from a portion of the fee collected for wildlife turkey licenses and hunt applications. Funds are used for scientific research, biological survey work on wild turkeys, and overall wild turkey management in this State.



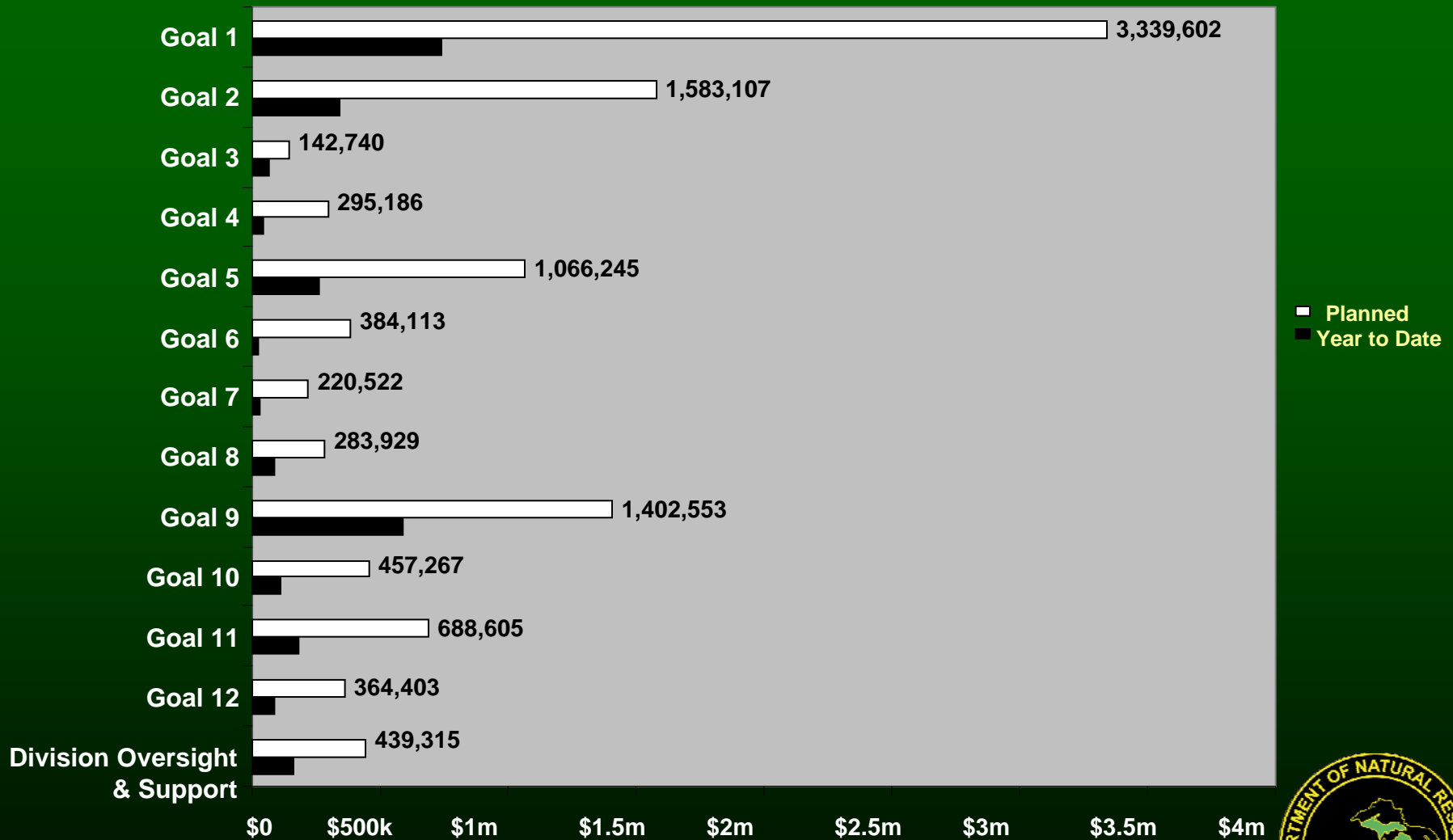
Waterfowl by Region/Section



Funds are derived from the daily and seasonal hunting permits issued for State managed waterfowl areas. Funds are used to operate, maintain, and develop managed waterfowl areas.



Lansing and Central Division by Goal



Funded Centrally from Lansing

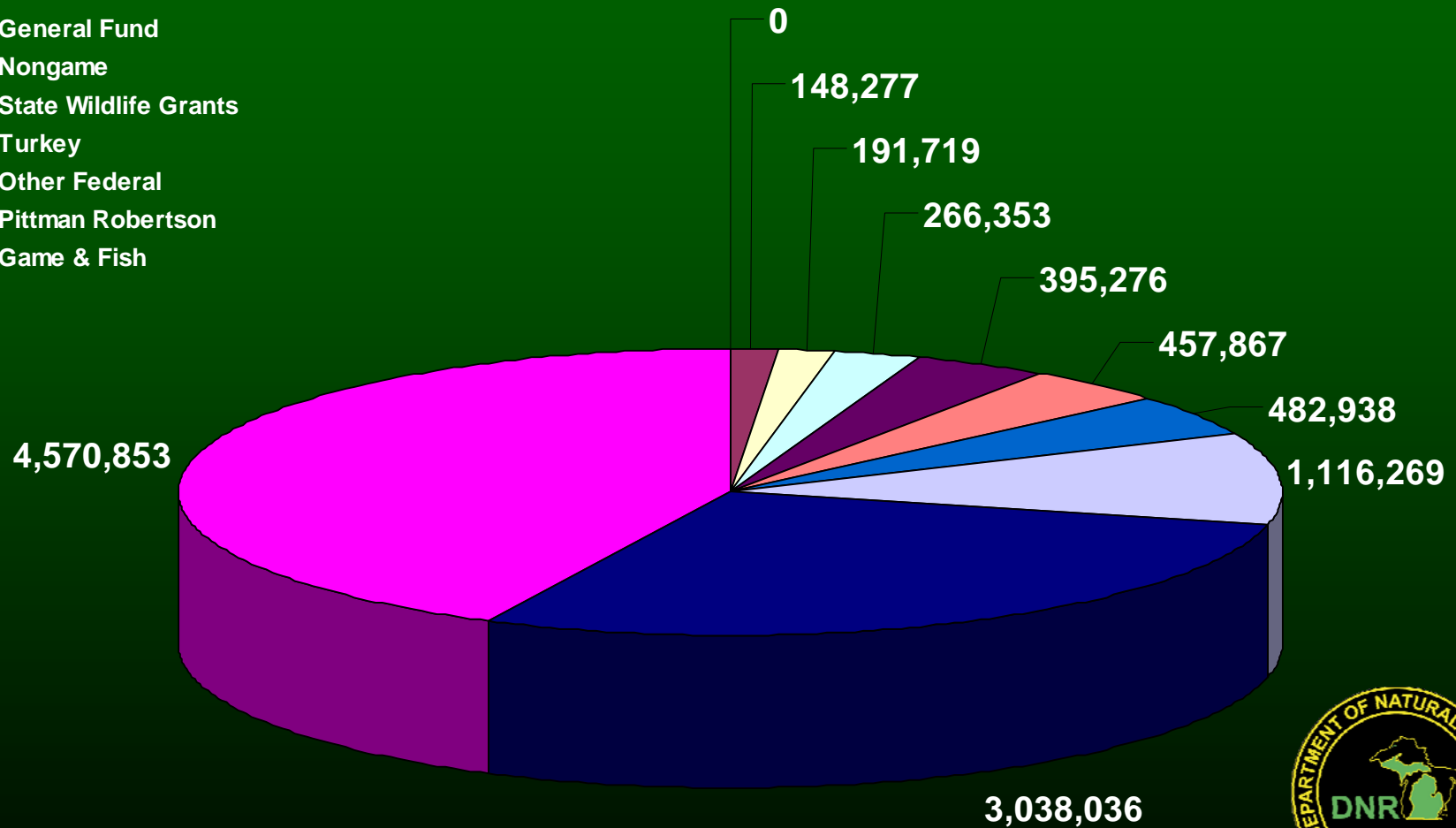
- Division Vehicle Fleet
- Division Unemployment
- Division Workers Compensation
- Memberships to National Organizations
- Field Office Space Charges
- Division Training Budget
- DNR Piloted Survey Flights
- Division Overtime Budget
- Hunter Access Program Payments
- Nuisance Control Partnership with USDA-APHIS
- Early Retirement Leave Payouts
- CREP – Partnership with MDA
- Harvest & Hunter Opinion Surveys
- Manage & Track Vacancies
- Division Computers
- Lansing Area Telecommunications
- Division Cell Phones
- Field Office Network Charges
- Division Prescribed Burn Budget
- University Partnerships
- Southern MI Forester Position (shared w/FRD)
- Private Land Partnerships with MDA
- USFWS Grant – Wind Energy
- Hunting Digest Printing & Postage
- Dam Surveys & Inspections
- Marketing for Division Programs

Staff cost for Policy & Regulations Unit, Public Outreach & Engagement Unit, Planning & Adaptation Section, Research & Management Section, and Program Support Section

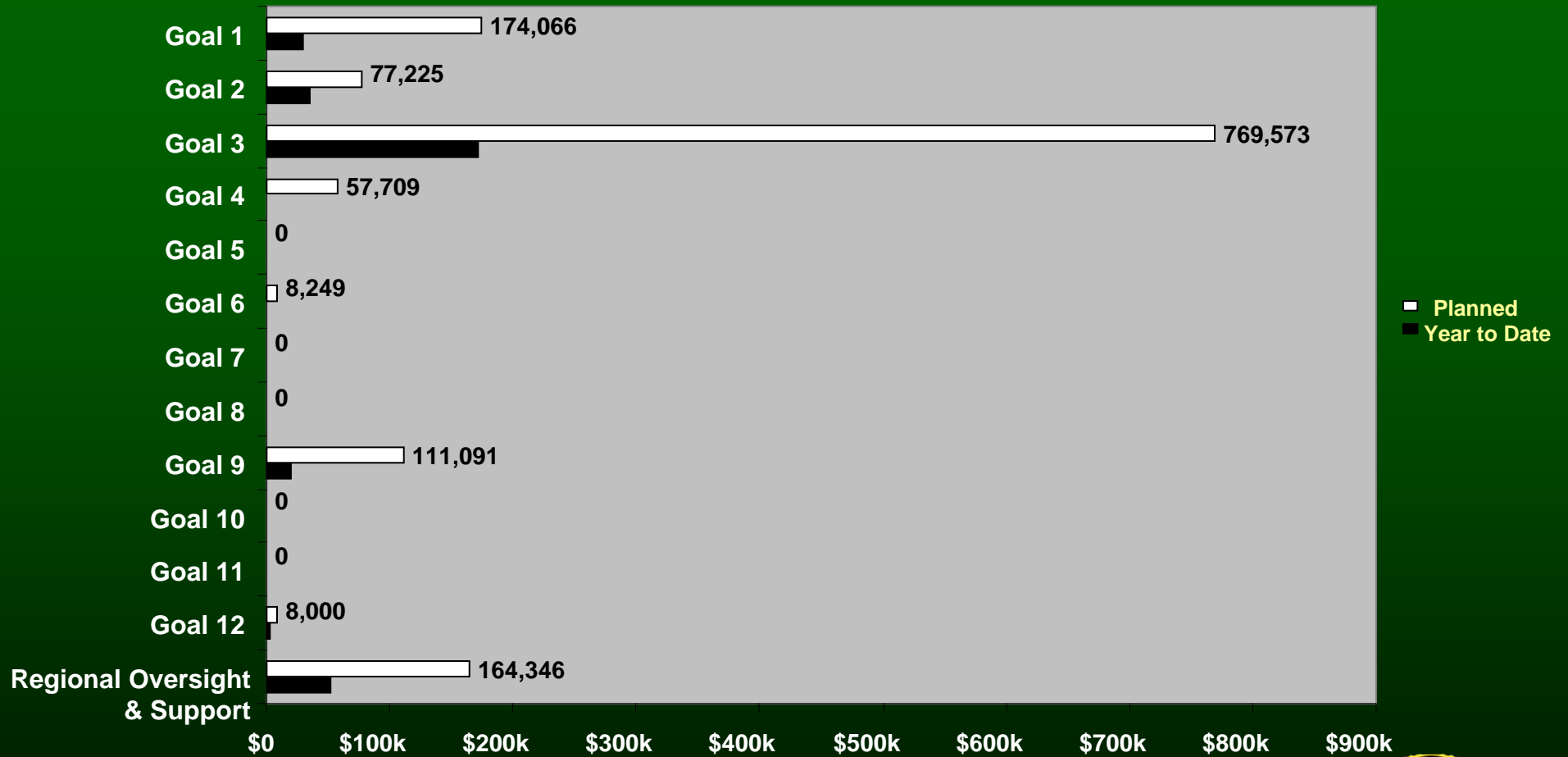


Lansing and Central Division by Fund Source

- Waterfowl
- DRIP
- Other Restricted
- General Fund
- Nongame
- State Wildlife Grants
- Turkey
- Other Federal
- Pittman Robertson
- Game & Fish

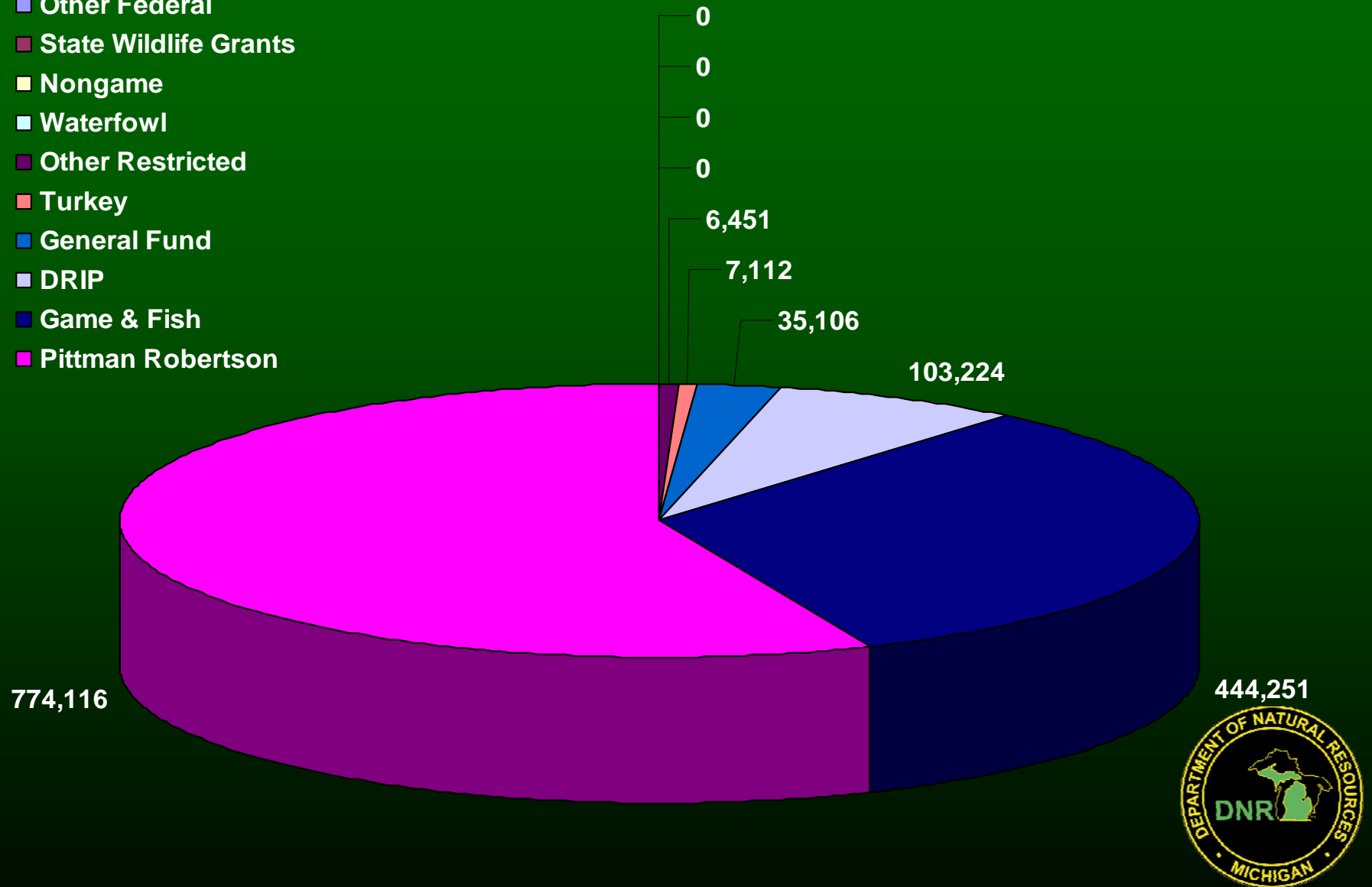


Field Resource Mgmt Section by Goal



Field Resource Mgmt Section by Fund Source

- Other Federal
- State Wildlife Grants
- Nongame
- Waterfowl
- Other Restricted
- Turkey
- General Fund
- DRIP
- Game & Fish
- Pittman Robertson

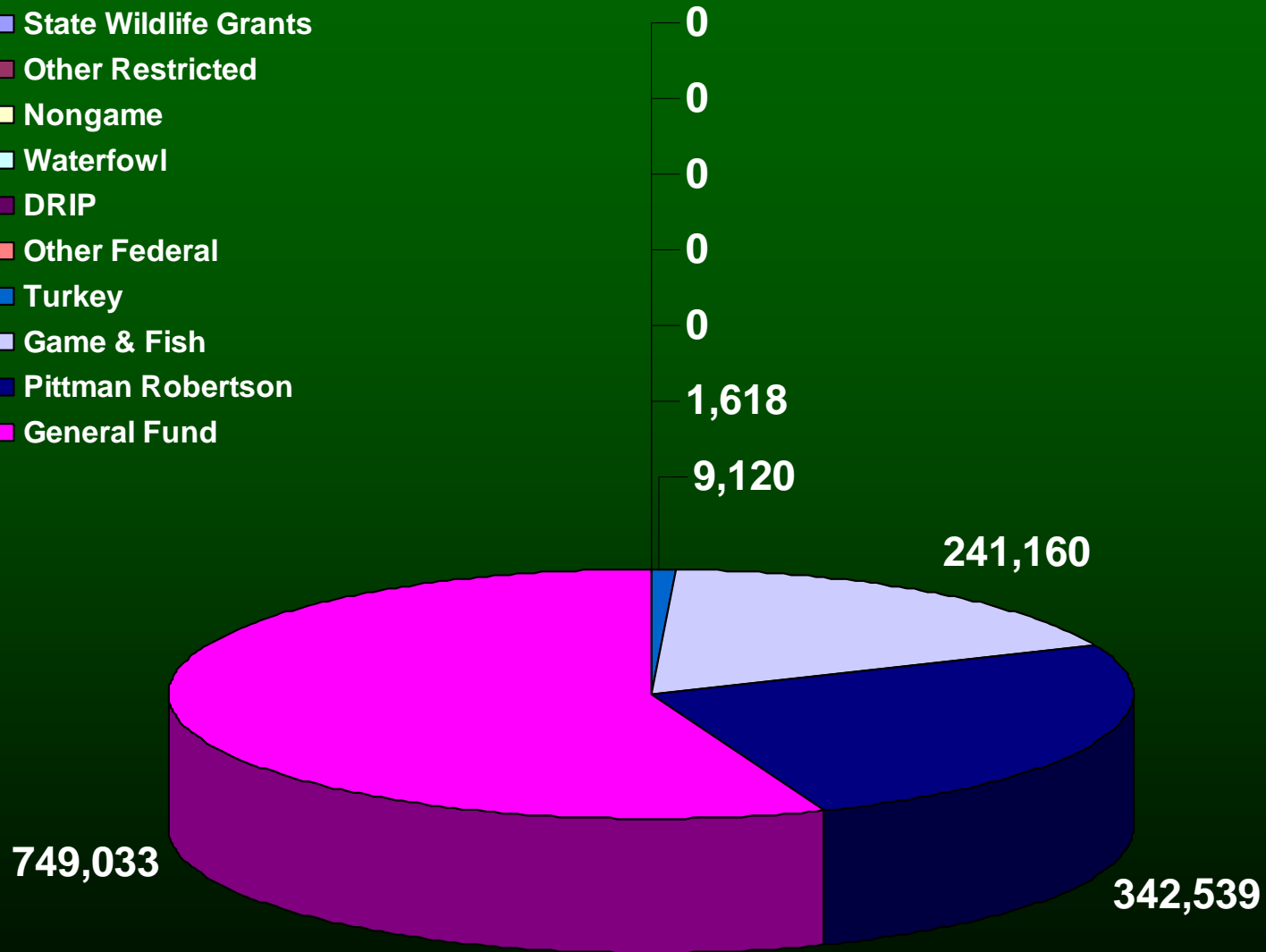


Wildlife Health Section by Goal



Wildlife Health Section by Fund Source

- State Wildlife Grants
- Other Restricted
- Nongame
- Waterfowl
- DRIP
- Other Federal
- Turkey
- Game & Fish
- Pittman Robertson
- General Fund



Thank You



www.michigan.gov/hunting

2012 Bear Management and License Quota Development



Adam Bump
Bear and Furbearer Specialist
February 9, 2012

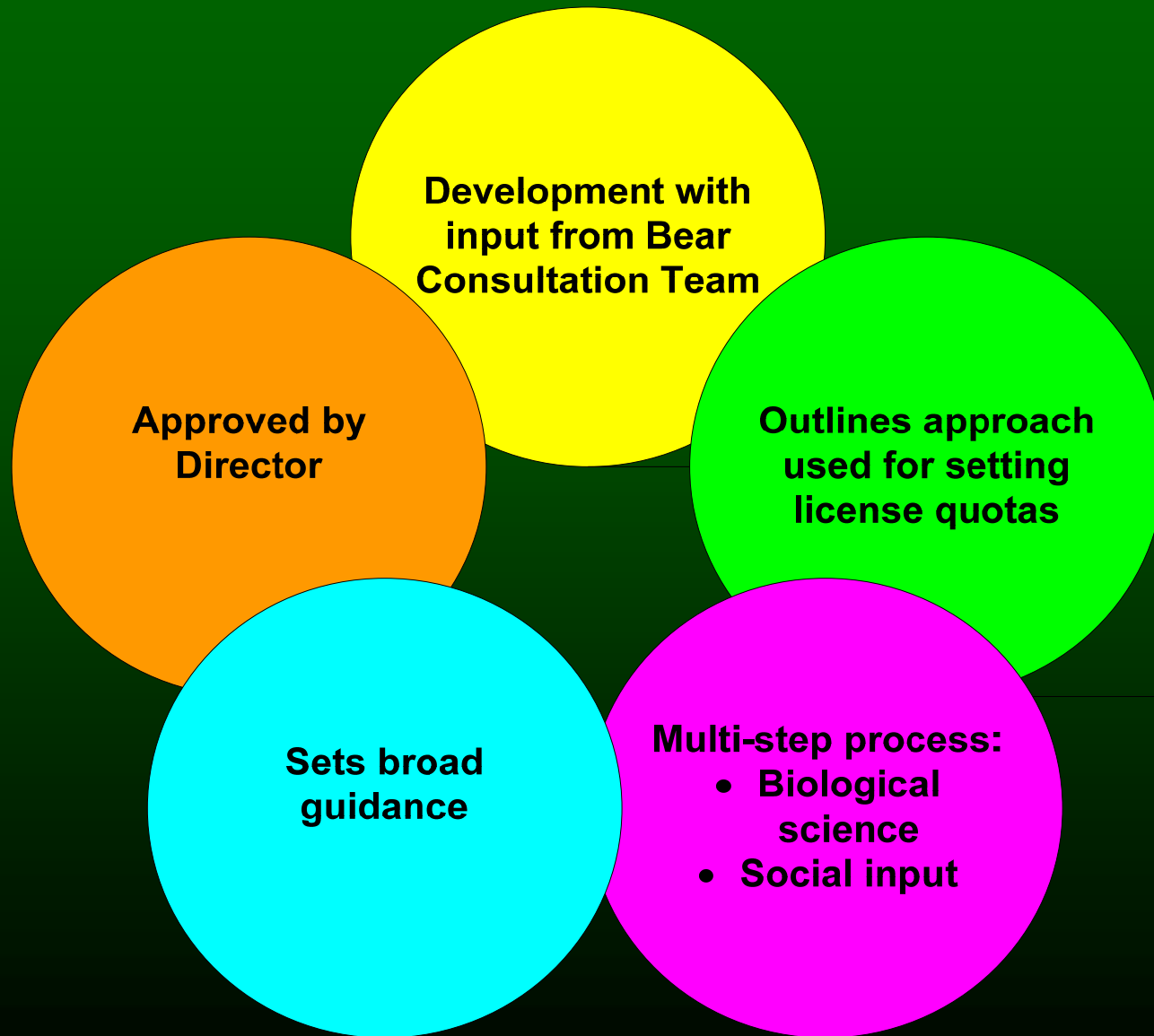


Presentation Objectives

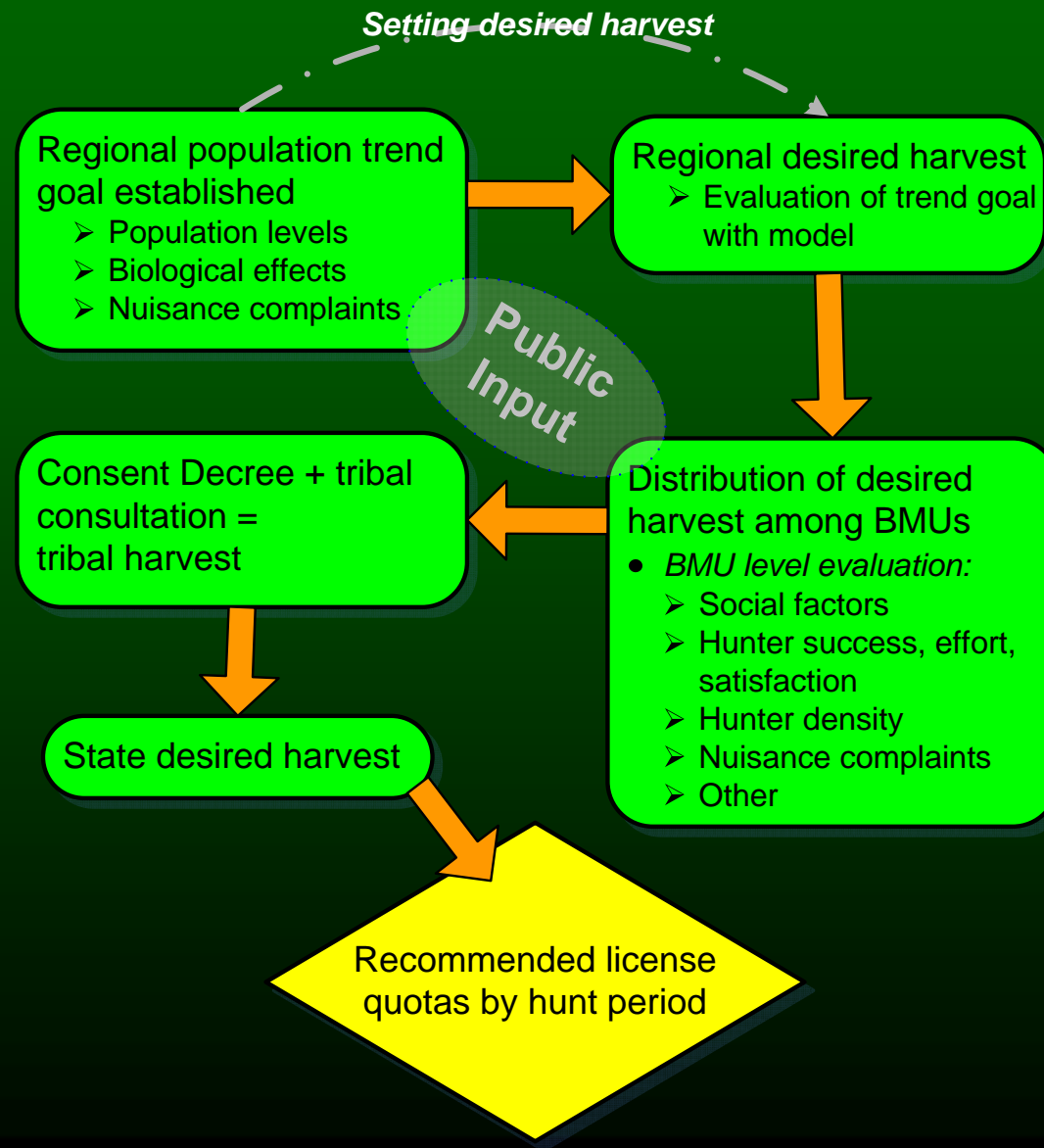
- Discuss program direction from the Bear Management Plan
- Review license recommendation setting process
- Review population models and their use
- Illustrations from NLP



2008 DNR Bear Management Plan



Developing Quota Recommendation



Calculation of License Quotas

- Use 3-year running average of license success
- Success rate varies
 - By bear management unit (6-100%)
 - Within hunt period (Example: Drummond 25-100%)
 - By hunt period (Example: Baraga 9-35%)



Example

- BMU with three hunt periods
- Goal is to equalize harvest across hunt periods
- Desired harvest of 99 bears (33 per hunt period)
 - 3-year average success rate:
 - 30% during first hunt period
 - 20% during second
 - 10% during third
- Licenses issued
 - First 110 licenses
 - Second 165 licenses
 - Third 330 licenses



Modeling Bear Populations

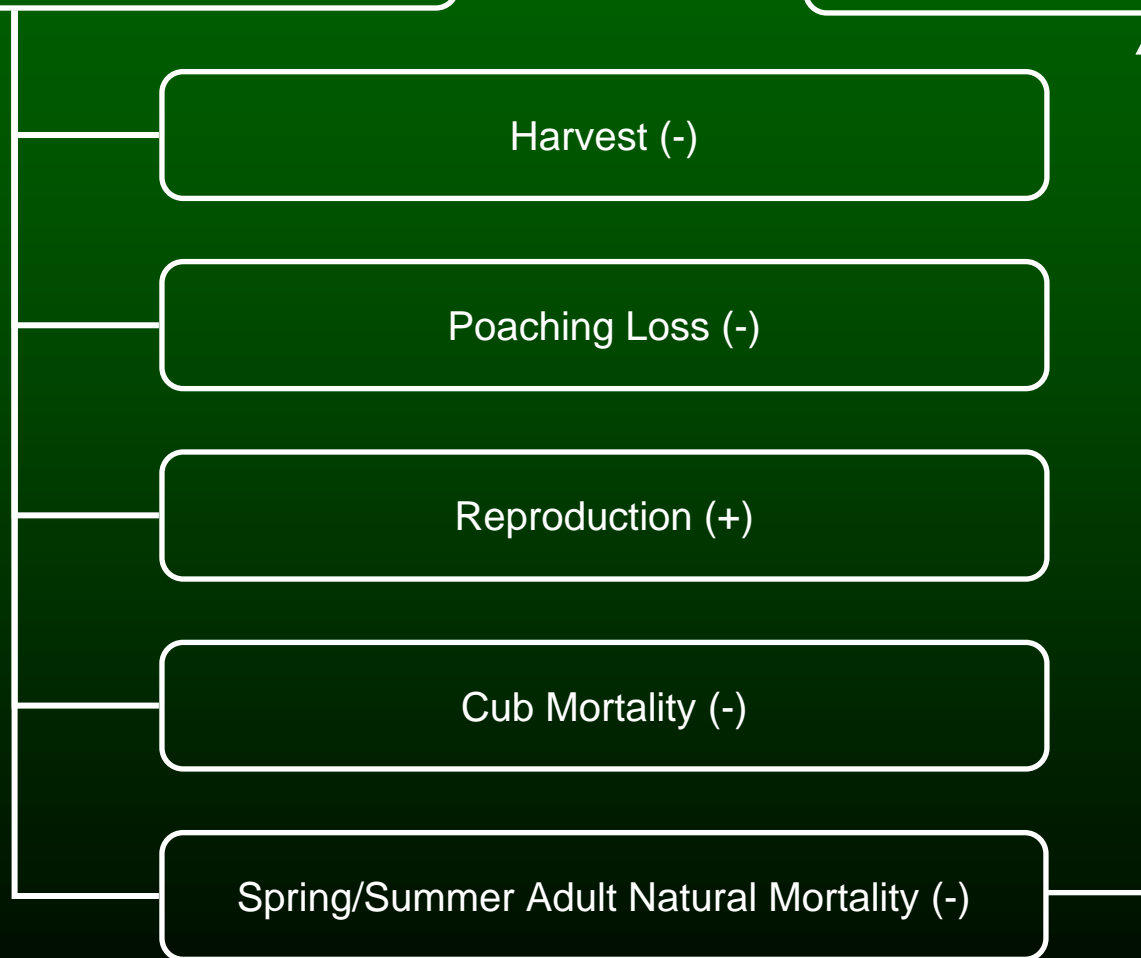
- Critical aspect of license quota process
- Forward looking mathematical tool
 - Provides harvest needed to achieve trend goals
- Takes available biological and harvest data and forecast population size
- Predicts population impacts from potential harvest



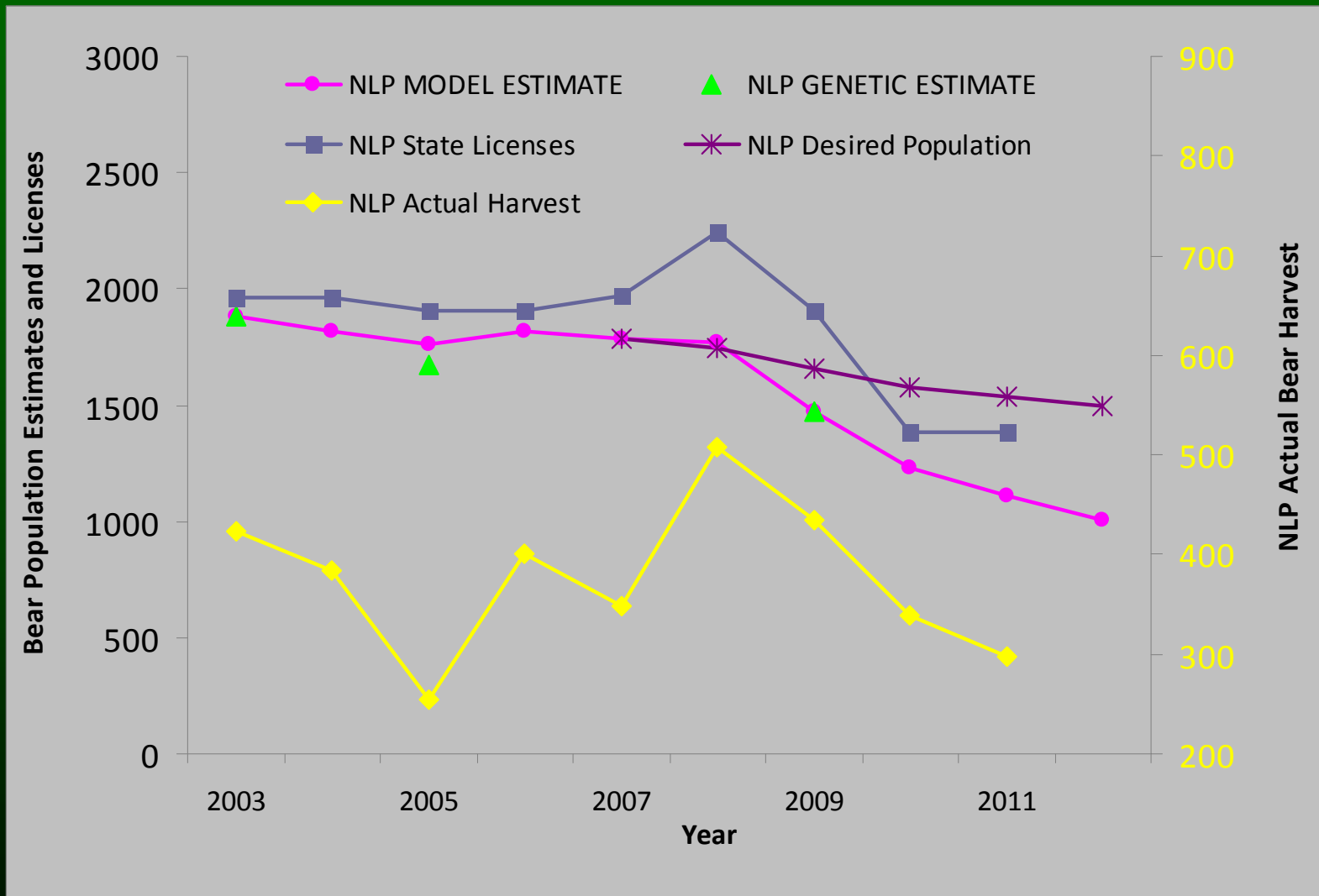
Simulated Bear Population Model

Initial Population Size (NLP Genetic Estimate)

Population Model Estimate

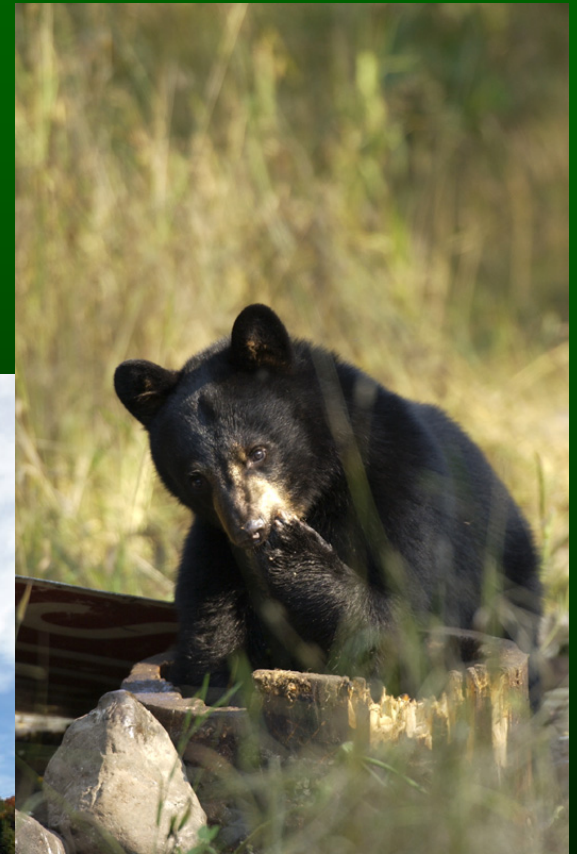


NLP Summary Information



Non-Population Causes For Annual Harvest Fluctuations

- Factors that could increase harvest

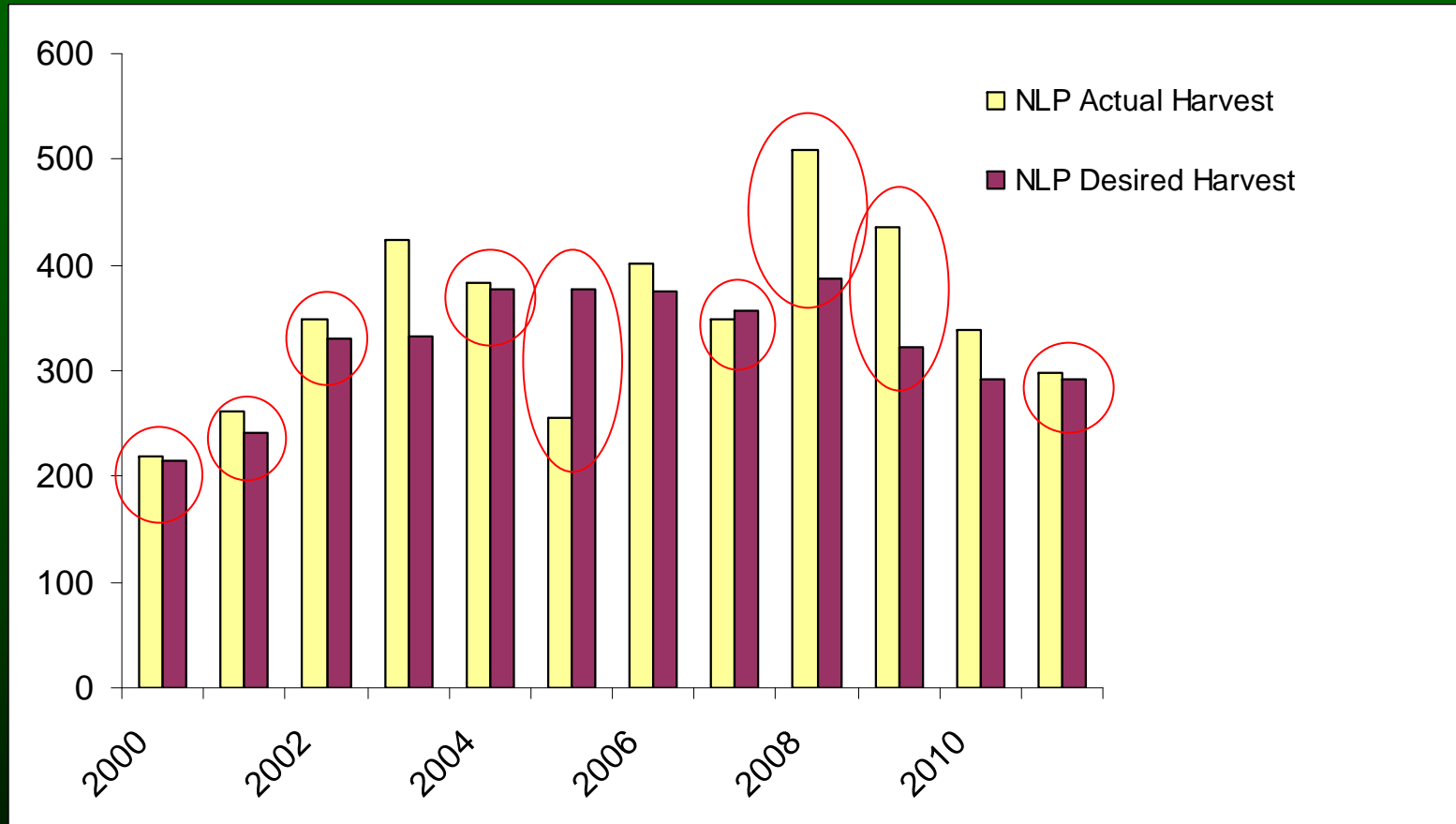


Non-Population Causes For Annual Harvest Fluctuations

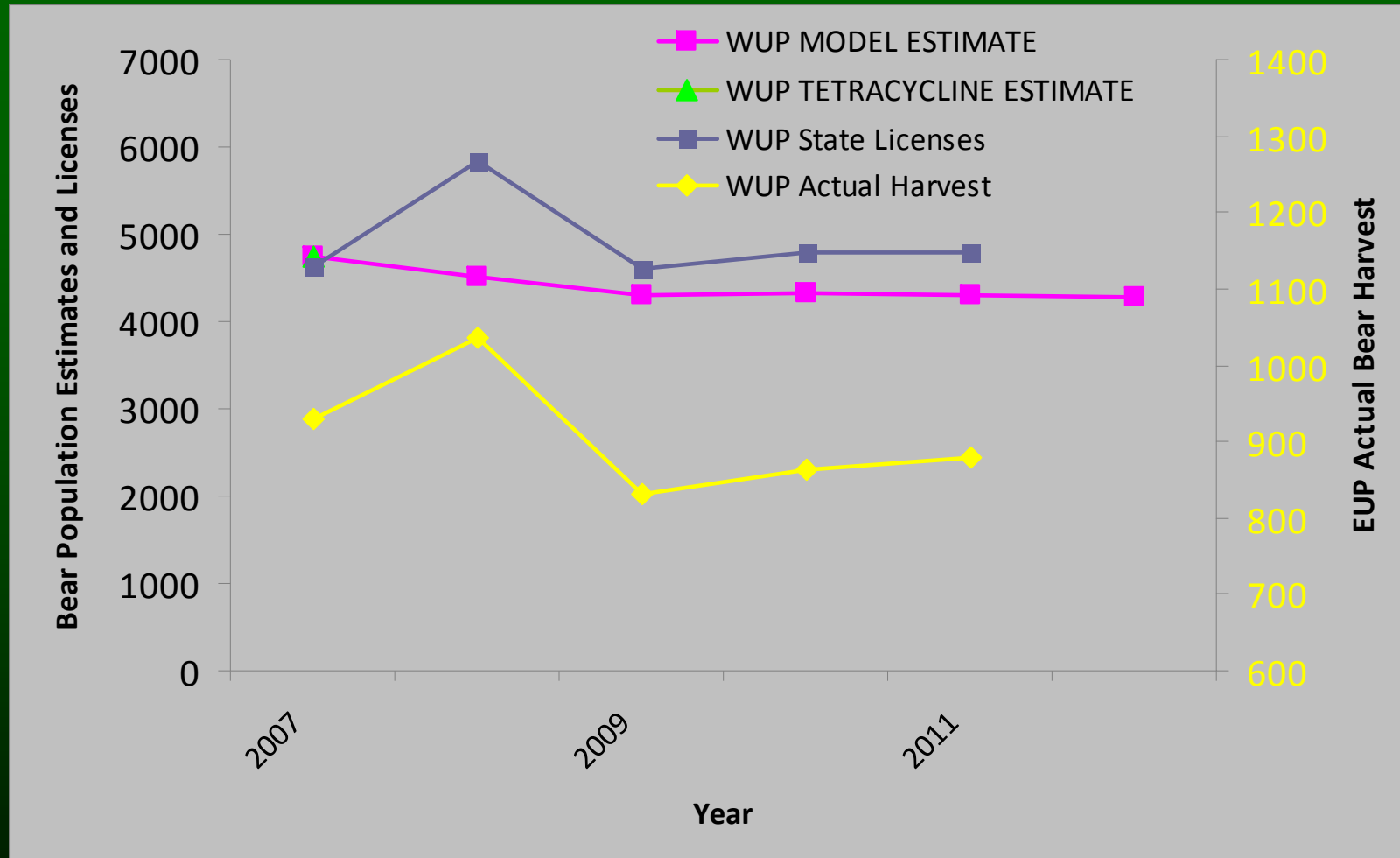
- Factors that could decrease harvest



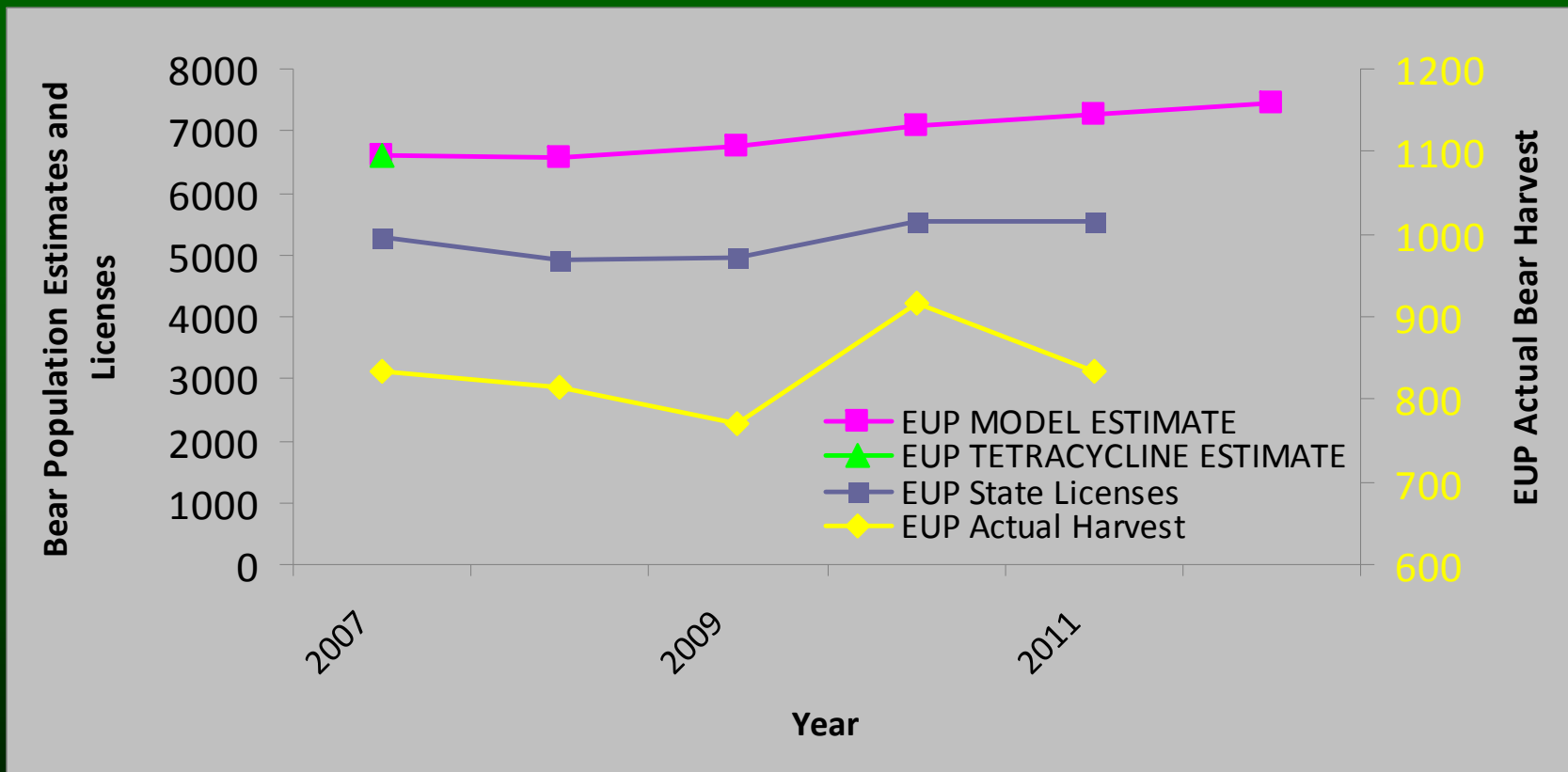
Desired/actual NLP graph



West UP Summary Information



East UP Summary Information



For Information in March

- Review of two regulations issues
- Summary of 2011 bear harvest
- Discussion of 2012-2013 license quotas
- Scott Winterstein – modeling in Wildlife Management



Thank You



www.michigan.gov/bear