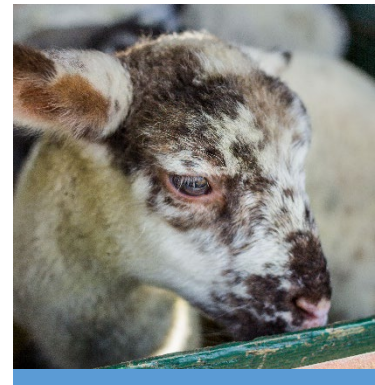


MDARD Bovine TB UPDATE Natural Resources Commission

April 15, 2021



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Significance of Bovine Tuberculosis (bTB)




- Tuberculosis (TB) is one of the oldest diseases in recorded history
- TB affects almost all vertebrate species and is still a major disease in humans and animals internationally
- Similar to other types of tuberculosis, *M. bovis* can infect humans and cause serious disease
- Michigan has a known reservoir of bTB in free-ranging white-tailed deer in certain areas of the NE Lower Peninsula
- In order to maintain Michigan's split-state status for bTB, with 95% of counties currently under the "free" designation, MDARD, MDNR, and other partners must be diligent in our efforts to find and eradicate this disease. This is critical for economic as well as public health reasons

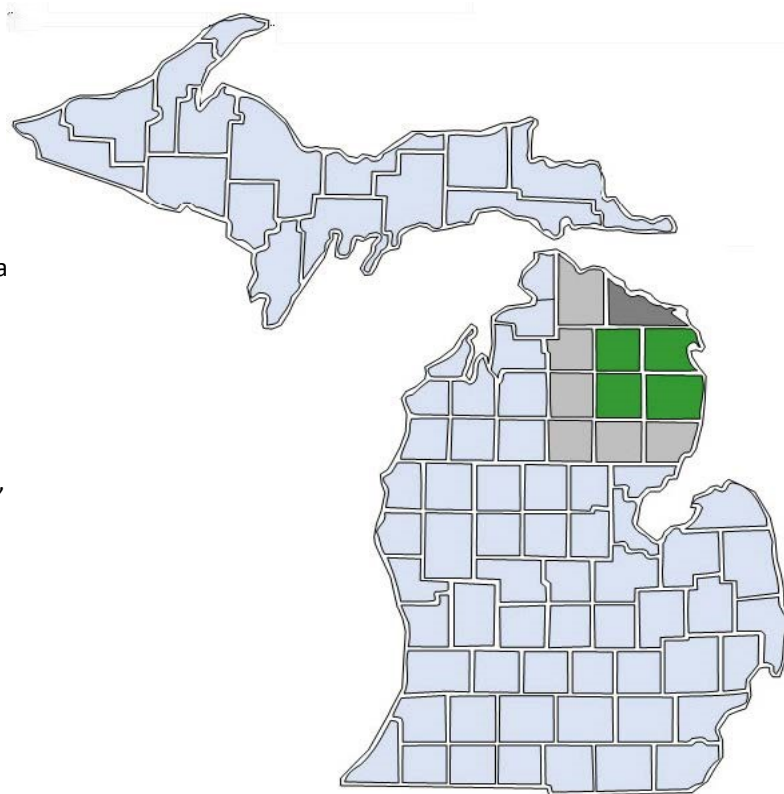


2020 Bovine TB-Positive Cattle Cases

- Herd #77 in Alcona County was confirmed positive in January 2020
 - Herd #78 in Allegan County and Feedlot #6 in Saginaw County Feedlot #6 in Saginaw County epidemiologically related to animals moved from Herd #77.
- Herd #79 in Montmorency County was confirmed positive in July 2020.
- Herd #80 in Alpena County was confirmed positive in November 2020.

2020 Zoning Order Counties with New Requirements

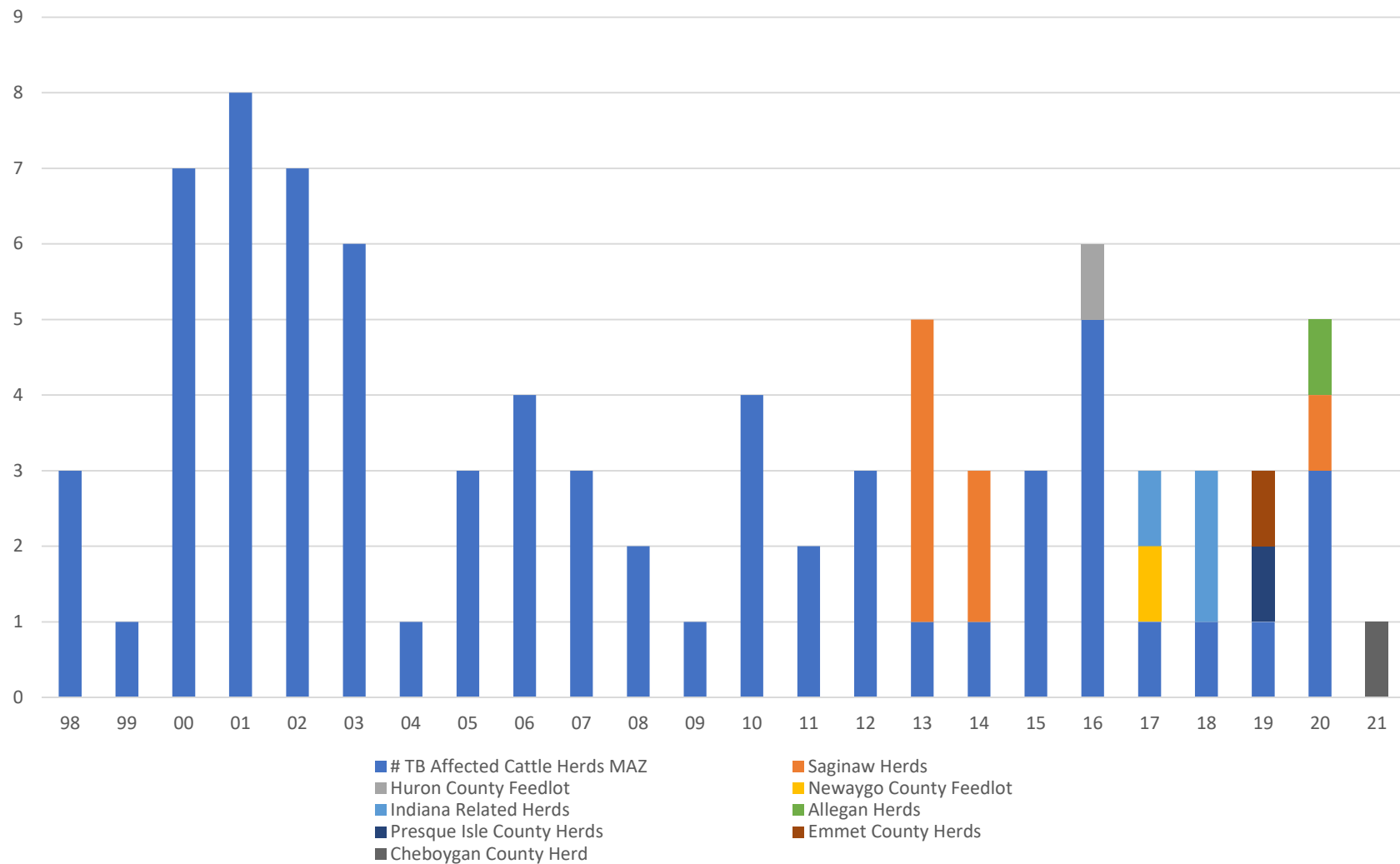
-  Modified Accredited Zone:
Alcona, Alpena, Montmorency, Oscoda
-  Accredited Free Zone:
Presque Isle
-  Accredited Free Zone:
Cheboygan, Crawford, Iosco, Ogemaw,
Otsego, Roscommon



2021 Bovine TB-Positive Cattle Case

- Herd #81 in Cheboygan County was confirmed positive on March 11, 2021. This is a beef herd.
- This is the first positive cattle herd in Cheboygan County
- This herd is in the Accredited Free Zone (AFZ), which may impact our MOU discussions with USDA
- Whole genome sequencing should help determine if this is Michigan strain TB
 - Results are expected in May or June 2021
- One animal was found to be infected at this point

TB-Positive Herds



Wildlife Risk Mitigation Program

- **Feed cattle safely**
- **Water cattle safely**
- **Store cattle feed safely**
- **Remove deer attractants from farm**
- **Removal of deer habituated to living on farm (USDA WS)**



Bovine TB in Michigan

- To maintain split-state status, Michigan must have an MOU with USDA
- Current MOU expires in December 2021
- August 2020 Program Review by USDA
- Anticipate there will be impacts as a result of finding Herd 81 in Cheboygan County



Questions?



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