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## **AMENDED ZONING ORDER**

**April 29, 2010**

### **Establishment of Zones for Bovine Tuberculosis**

(Identification, Testing, Certificate, and Movement Requirements)

Pursuant to Public Act 466 of 1988, MCL 287.708 and MCL 287.709 (8-10)

**Failure to comply with requirements under this zoning order may result in penalties under MCL 287.744.**

#### **Definitions**

As used in this order the following terms are defined as:

“Cattle” means all bovine (genus bos) animals, bovine-like animals (genus bison) also commonly referred to as American buffalo or bison and any cross of these species unless otherwise specifically provided.

“Freezer Beef Herd” means a cattle herd approved by the director that passes an annual inspection verifying the herd is comprised of 6 or less head in which no breeding of cattle occurs, no cattle are moved to any other premises, and all cattle are raised only for personal consumption.

“Initial Identification” means the first time an official identification is placed on an animal, whether it is for tuberculosis testing, complying with movement requirements, or any other reason.

“Michigan Licensed Livestock Auction Market” means a premises licensed as a livestock auction under Public Act 284 of 1937, as amended, MCL 287.121 – 287.131.

“USDA Approved Livestock Market” means a premises where livestock are assembled and that has been approved under Title 9, *Code of Federal Regulations* (9 CFR), Section 71.20.

“Verified Wildlife Risk Mitigation Plan” means a written plan that contains structural and management requirements intended to reduce the risk that a herd will become infected with bovine tuberculosis that has been approved by the Department and verified by regulatory personnel to be in effect.

#### **All Zones for Bovine Tuberculosis within Michigan**

##### **Livestock Inspection Check-Points**

All livestock transportation equipment (vehicles) and anyone transporting livestock shall stop at any posted Livestock and Plant Inspection Point. Cattle or privately owned cervidae that are being transported shall be accompanied by documentation of the origin of shipment, copies of the animal's registration or permit, documentation indicating the shipping destination and any other information necessary to demonstrate compliance with livestock movement requirements. Such documentation shall be produced upon the request by a law enforcement officer or the director.

**Modified Accredited Zone (Infected Zone)** – This zone includes the entirety of Alcona, Alpena, Montmorency, Oscoda, and Presque Isle counties, and those portions of Iosco and Ogemaw counties that are north of the southernmost boundaries of the Huron National Forest and the Au Sable State Forest.

### **Cattle Identification Requirements**

Initial identification of cattle, including cattle identified for TB testing or issuance of movement certificates, must utilize an RFID electronic identification ear-tag. Official identification tags are premises specific and may not be transferred to another premises or used on cattle not included in the herd on the premises to which the tags were issued. All cattle must be identified with official RFID electronic identification eartags prior to movement from a premises.

### **Surveillance Testing Requirements**

All cattle herds shall complete an annual whole herd bovine tuberculosis test of all cattle 12 months of age and older, all non-natural additions of any age, and all goats, bison, or privately owned cervids 6 months of age or older that are in contact with the herd. Retesting of herds must be done within 9-15 months of the anniversary date of the initial whole herd test.

Any cattle herds which meet the requirements to be designated as freezer beef herds are exempt from the annual testing requirement.

### **Movement Testing Requirements**

#### *Movement within the Modified Accredited Zone*

- Cattle must comply with one of the following prior to movement:
  - a) Originate directly from a bovine tuberculosis accredited free herd, or,
  - b) Originate from a herd which has received a whole herd test within 60 days prior to movement, or,
  - c) Receive a negative bovine tuberculosis test within 60 days prior to movement.
- Cattle less than 2 months of age may be moved if they originate from a herd that has completed a whole herd test within 12 months prior to movement.
- Steers or spayed heifers moving to a registered terminal operation or between registered terminal operations are required to only have a negative bovine tuberculosis test within 60 days prior to movement.
- Cattle may be moved directly to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, or through one Michigan licensed livestock auction market to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, without meeting the tuberculosis movement testing requirements.

#### *Movement to another Zone within Michigan*

- Cattle 2 months of age and older must comply with one of the following prior to movement:
  - a) Originate directly from a bovine tuberculosis accredited free herd, or,
  - b) Originate from a herd that has received a negative whole herd bovine tuberculosis test within 12 months prior to movement, and receive a negative bovine tuberculosis test within 60 days prior to movement
- Cattle less than 2 months of age may be moved if they originate from a herd that has completed a whole herd test within 12 months prior to movement.
- Steers or spayed heifers are required to only have a negative bovine tuberculosis test within 60 days prior to movement.
- Cattle may be moved directly to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, or through one Michigan licensed livestock auction market to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, without meeting the tuberculosis movement testing requirements.

#### **Movement Certificate Requirements**

Cattle being transported must be accompanied by a movement certificate(s) and the movement certificate(s) shall be produced upon the request of a law enforcement officer or the director.

An official movement certificate is required to be obtained prior to movement of any cattle from any premises in the Modified Accredited zone. Cattle moved to the USDA approved livestock market in Gaylord may move on sale day without a movement certificate if they comply with all other requirements and are delivered within designated arrival times, as designated by the director. All cattle with a destination of a Michigan licensed livestock auction market must receive a new official movement certificate that identifies the final destination of movement.

**Modified Accredited Advanced Zone (Surveillance Zone)** – This zone includes the remainder of the Lower Peninsula of Michigan.

**Subzone 1** – This subzone includes the entirety of Antrim, Charlevoix, Cheboygan, Crawford, Emmet, and Otsego counties.

#### **Cattle Identification**

Initial identification of cattle, including cattle identified for TB testing or issuance of movement certificates, must utilize an RFID electronic identification ear-tag. Official identification tags are premises specific and may not be transferred to another premises or used on cattle not included in the herd on the premises to which the tags were issued. All cattle must be identified with official RFID electronic identification ear-tags prior to movement from a premises within the Modified Accredited Advanced zone.

## **Surveillance Testing Requirements**

All cattle herds which sell or move to another premises one or more cattle on a movement certificate for the reason of BREEDING must complete an annual whole herd bovine tuberculosis test of all cattle 18 months of age and older, and all goats, bison, or privately owned cervids 6 months of age or older in contact with the herd, unless specifically exempted by the director. Retesting of herds must be done within 9-15 months of the anniversary date of the initial whole herd test.

Any cattle herds which do not sell or move to another premises animals other than directly to a federally inspected slaughter plant or through a Michigan licensed livestock auction market directly to a federally inspected slaughter plant will be tested on a 3 year interval as determined by the director.

All other cattle herds which move cattle that enter another livestock premises must complete a whole herd bovine tuberculosis test of all cattle 18 months of age and older, and all goats, bison, or privately owned cervids 6 months of age or older in contact with the herd every other year, unless specifically exempted by the director. Retesting of herds must be done within 21-27 months of the anniversary date of the whole herd test. The director will determine the date at which each herd must complete the first whole herd bovine tuberculosis test following the effective date of this order.

Any cattle herds which meet the requirements to be designated as freezer beef herds are exempt from surveillance testing.

## **Movement Testing Requirements**

### *Movement within the Modified Accredited Advanced Zone*

Cattle originating from herds that have been determined to have a Verified Wildlife Risk Mitigation Action Plan

- No TB testing required

Cattle originating from herds that have been determined to **NOT** have a Verified Wildlife Risk Mitigation Action Plan

- Cattle must have received a negative bovine tuberculosis test within 60 days prior to movement.
- Cattle less than 2 months of age may be moved if they originate from a herd that is determined to not be overdue on tuberculosis surveillance testing.
- Cattle may be moved directly to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, or through one Michigan licensed livestock auction market to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, without meeting the tuberculosis movement testing requirements.

### *Movement to the TB Free Zone*

#### Cattle originating from herds that have been determined to have a Verified Wildlife Risk Mitigation Plan

- Sexually intact cattle 6 months of age or older must meet one of the following prior to movement:
  - a) Originate directly from a bovine tuberculosis accredited free herd, or,
  - b) Originate directly from a herd that has been winter verified as Wildlife Risk Mitigated by the Michigan Department of Agriculture and has completed a negative whole herd bovine tuberculosis test concurrent or subsequent to the winter verification.
  - c) Receive a negative bovine tuberculosis test within 60 days prior to movement.
- Cattle less than 6 months of age, steers and spayed heifers of any age, or cattle moving to an United States Department of Agriculture Food Safety Inspection Service approved slaughter plant or through one Michigan licensed livestock auction market prior to movement to an United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, do not need to meet tuberculosis movement testing requirements prior to movement.
- Sexually intact heifers that are moving to an approved feedlot as defined in *Bovine Tuberculosis Eradication Uniform Methods and Rules, Effective January 1, 2005* do not need to meet tuberculosis movement testing requirements prior to movement.

#### Cattle originating from herds that have been determined to **NOT** have a verified Wildlife Risk Mitigation Action Plan

- Cattle 2 months of age and older must have received a negative bovine tuberculosis test within 60 days prior to movement
- Cattle may be moved to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, or through one Michigan licensed livestock auction market to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, without meeting tuberculosis movement testing requirements.

### *Movement to the Modified Accredited Zone*

#### Cattle originating from herds that have been determined to have a Verified Wildlife Risk Mitigation Plan

- No tuberculosis testing is required for movement of cattle and bison to the Modified Accredited Zone or through a Michigan licensed livestock auction market to a final destination within the Modified Accredited Zone.

#### Cattle originating from herds that have been determined to **NOT** have a verified Wildlife Risk Mitigation Plan

- Cattle 2 months of age and older must have received a negative bovine tuberculosis test within 60 days prior to movement
- Cattle may be moved to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, or through one Michigan licensed livestock auction market to a United States Department of Agriculture Food Safety Inspection Service approved slaughter plant, without meeting tuberculosis movement testing requirements.

### **Movement Certificate Requirements**

Cattle being transported must be accompanied by a movement certificate(s) and the movement certificate(s) shall be produced upon the request of a law enforcement officer or the director.

An official movement certificate is required to be obtained prior to movement of any cattle and bison from any premises. Cattle moved to the USDA approved livestock market in Gaylord may move on sale day without a movement certificate if they comply with all other requirements and are delivered within designated arrival times, as designated by the director. All cattle with a destination of a Michigan licensed livestock auction market must receive a new official movement certificate that identifies the final destination of movement.

**Subzones 2 and 3** – Subzone 2 consists of the entirety of Arenac, Clare, Gladwin, Grand Traverse, Kalkaska, Missaukee, Osceola, Roscommon, and Wexford counties, and those portions of Ogemaw and Iosco counties not included in the Modified Accredited zone. Subzone 3 consists of the remainder of the counties in Lower Michigan not included in the Modified Accredited zone and Modified Accredited Advanced zone Subzones 1 and 2.

### **Cattle Identification**

All cattle must be identified with official RFID electronic identification eartags prior to movement from a premises within Michigan. Official identification tags are premises specific and may not be transferred to another premises or used on cattle not included in the herd on the premises to which the tags were issued.

### **Surveillance Testing Requirements**

All cattle herds shall obtain a premises identification number, and be placed into a database from which herds will be selected for whole herd testing in a bovine TB surveillance program approved by the director. Selected cattle herds, or herds selected as a replacement for herds determined ineligible for testing, shall be subject to whole herd testing of all cattle in the herd 18 months of age and older, and all bison, goats, and privately owned cervids 6 months of age or older in contact with the herd. This testing shall occur within 90 days after the person responsible for herd management receives notification that a whole herd test under this surveillance program is due and necessary.

A person who receives cattle from a herd located in the Modified Accredited Zone or the Modified Accredited Advanced Zone – Subzone 1 that does not have a Verified Wildlife Risk Mitigation Plan shall complete a bovine tuberculosis test on the received cattle within 60-120 days from the movement date listed on the movement certificate. For movement certificates issued to a Michigan licensed livestock auction market, the owner identified as the purchaser on a movement certificate issued at the Michigan licensed livestock auction market, or the owner of the livestock saleyard for cattle that are not sold, are determined to be responsible for the testing.

If cattle that have not met the testing requirement are sold or transferred to another premises prior to the expiration of the testing interval, the person selling or transferring the cattle must notify the owner of the premises of destination of the testing requirement. The owner of the premises of destination of the sale or transfer shall complete the required testing prior to the end of the testing interval. If the cattle have not been tested and cannot be located at the expiration of the testing interval requirement, the owner of the premises listed on the movement certificate or repermit shall complete a whole herd bovine tuberculosis test within a time frame determined by the Director based upon the situation and operation type at that time.

This testing requirement is effective March 23, 2010 for movements of cattle from the Modified Accredited Zone and Modified Accredited Advanced Zone – Subzone 1 for breeding purposes, effective January 1, 2011 for movements of all cattle from Modified Accredited zone townships designated as having high apparent prevalence of bovine tuberculosis in wild white-tailed deer as determined by the director, and effective January 1, 2012 for movements of all cattle from the Modified Accredited zone and Modified Accredited Advanced Zone – Subzone 1.

### **Movement Testing Requirements**

#### *Movement within the Modified Accredited Advanced Zone*

- No tuberculosis testing is required for movement of cattle and bison within the zone, or through a Michigan licensed livestock auction market to a final destination within the zone.

#### *Movement to another Zone within Michigan*

- No tuberculosis testing is required for movement of cattle and bison to another zone in Michigan or through a Michigan licensed livestock auction market to a final destination within another zone in Michigan.

### **Movement Certificate Requirements**

#### *Movement within the Modified Accredited Advanced Zone*

- No official movement certificate is required for movement within the Modified Accredited Advanced zone.

#### *Movement to another Zone within Michigan*

- Cattle being transported must be accompanied by a movement certificates and the movement certificate(s) shall be produced upon the request of a law enforcement officer or the director.
- An official movement certificate is required to be obtained prior to movement of any cattle from any premises for movement to another zone within Michigan. Cattle moved to the USDA approved livestock market in Gaylord may move on sale day without a movement certificate if they comply with all other requirements and are delivered within designated arrival times, as designated by the director. All cattle with a destination of a Michigan licensed livestock auction market must receive a new official movement certificate that identifies the final destination of movement.

**Bovine Tuberculosis Free Zone (Disease Free Zone)** – This zone includes the entirety of the Upper Peninsula of Michigan.

### **Cattle Identification**

All cattle must be identified with official RFID electronic identification eartags prior to movement from a premises within Michigan. Official identification tags are premises specific and may not be transferred to another premises or used on cattle not included in the herd on the premises to which the tags were issued.

### **Surveillance Testing Requirements**

All cattle herds shall obtain a premises identification number, and be placed into a database from which herds may be selected for whole herd testing in a bovine TB surveillance program approved by the director. Selected cattle herds, or herds selected as a replacement for herds determined ineligible for testing, shall be subject to whole herd testing of all cattle in the herd 24 months of age and older, and all bison, goats, and privately owned cervids 6 months of age or older in contact with the herd. This testing shall occur within 90 days after the person responsible for herd management receives notification that a whole herd test under this surveillance program is due and necessary.

A person who receives cattle from a herd located in the Modified Accredited Zone or the Modified Accredited Advanced Zone – Subzone 1 that does not have a Verified Wildlife Risk Mitigation Plan shall complete a bovine tuberculosis test on the received cattle within 60-120 days from the movement date listed on the movement certificate. For movement certificates issued to a Michigan licensed livestock auction market, the owner identified as the purchaser on a movement certificate issued at the Michigan licensed livestock auction market, or the owner of the livestock saleyard for cattle that are not sold, are determined to be responsible for the testing.

If cattle that have not met the testing requirement are sold or transferred to another premises prior to the expiration of the testing interval, the person selling or transferring the cattle must notify the owner of the premises of destination of the testing requirement. The owner of the premises of destination of the sale or transfer shall complete the required testing prior to the end of the testing interval. If the cattle have not been tested and cannot be located at the expiration of the testing interval requirement, the owner of the premises listed on the movement certificate or repermit shall complete a whole herd bovine tuberculosis test within a time frame determined by the Director based upon the situation and operation type at that time.

This testing requirement is effective March 23, 2010 for movements of cattle from the Modified Accredited Zone and Modified Accredited Advanced Zone – Subzone 1 for breeding purposes, effective January 1, 2011 for movements of all cattle from Modified Accredited zone townships designated as having high apparent prevalence of bovine tuberculosis in wild white-tailed deer as determined by the director, and effective January 1, 2012 for movements of all cattle from the Modified Accredited zone and Modified Accredited Advanced Zone – Subzone 1.

### **Movement Testing and Certificate Requirements**

No tuberculosis testing or official movement certificate is required to move cattle within the bovine tuberculosis free zone, or to other zones within Michigan.

## Amended Zoning Order

I hereby amend the Zoning Order dated April 21, 2010, Establishment of Zones for Bovine Tuberculosis (Identification, Testing, Certificate, and Movement Requirements) Pursuant to Public Act 466 of 1988, MCL 287.708 and MCL 287.709 (8-10).

Language included in Modified Accredited Advanced Zone (Surveillance Zone), Subzone 1, Movement Testing Requirements is rescinded and replaced with language included in this amended order (pages 4 and 5). This amendment has been determined to not alter the boundaries of the previously established zones and is ordered for immediate effect.

This order supersedes and replaces all prior bovine tuberculosis zoning orders.



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Director  
Michigan Department of Agriculture

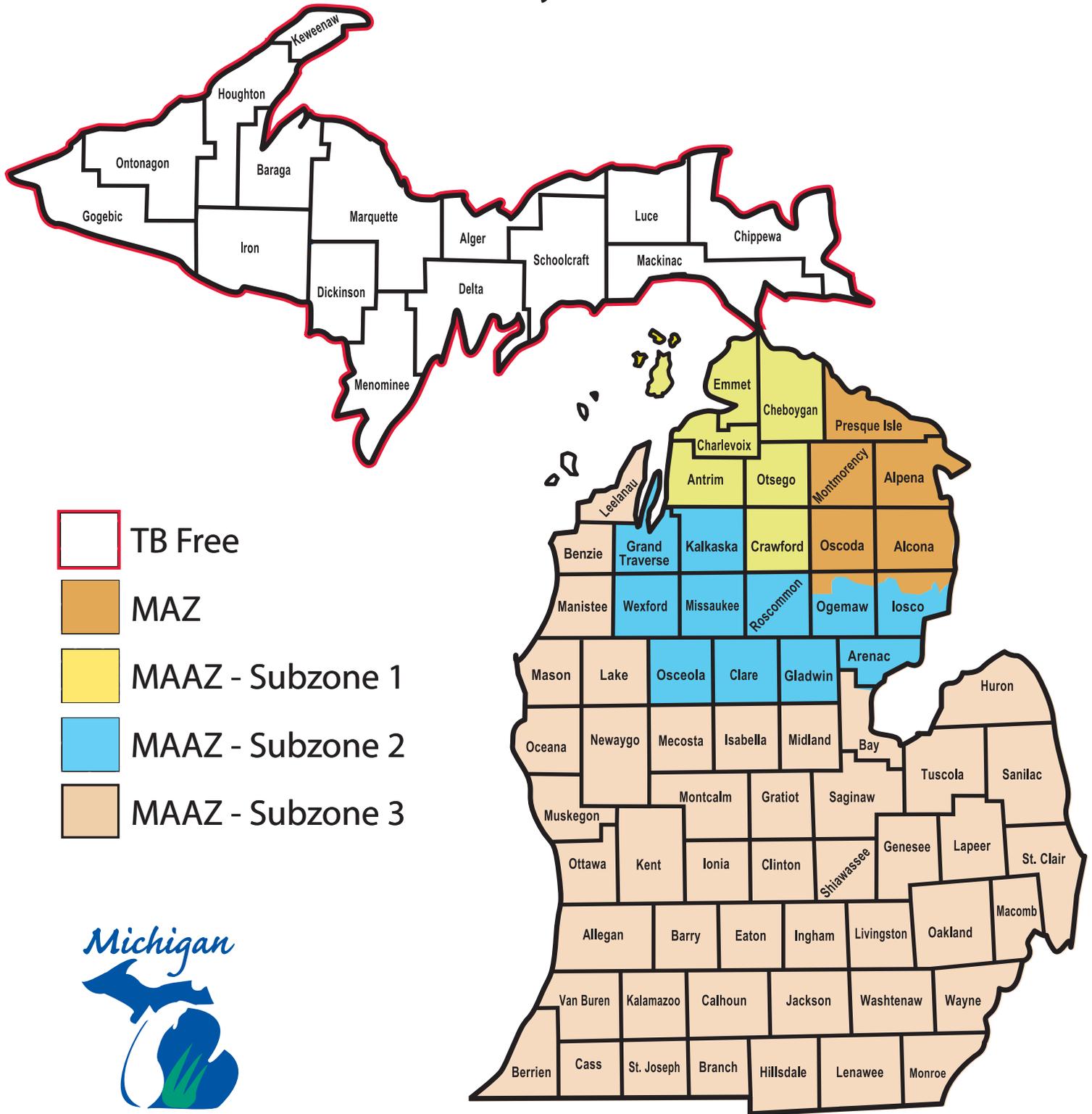
April 29, 2010

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Date

# Michigan Bovine Tuberculosis Zones

January 2010



- TB Free
- MAZ
- MAAZ - Subzone 1
- MAAZ - Subzone 2
- MAAZ - Subzone 3



**TABLE 1: All Requirements For All Zones And Subzones**

<b>Bovine TB Cattle Testing (Surveillance and Movement), Movement Certificate and Identification Requirements for Movement WITHIN the Zones and Subzones of Michigan</b>				
<b>ZONE</b>	<b>Surveillance (Whole Herd Test)</b>	<b>Movement Testing</b>	<b>Movement Certificate</b>	<b>ID Requirement</b>
<b>TB Free</b> <sup>⊘</sup>	High risk herds as determined by epidemiologist (such as traces)	None	None	Yes - RFID
<b>MAAZ Subzone 3</b> <sup>‡</sup>		None	<ul style="list-style-type: none"> <li>• None within MAAZ</li> <li>• Yes to move to other zones</li> </ul>	Yes - RFID
<b>MAAZ Subzone 2</b> <sup>†</sup>	All herds tested between 2007-2010			Yes - RFID
<b>MAAZ Subzone 1</b> <sup>⊖</sup>	Whole herd testing: <ul style="list-style-type: none"> <li>• Producer moves breeders – annual test</li> <li>• Producer moves non-breeders – test every 2 years</li> <li>• Producer moves cattle to slaughter only – test every 3 years</li> <li>• Freezer beef exempt</li> </ul>	Yes – see table 2	Yes prior to all movements <sup>*</sup>	Yes - RFID
<b>MAZ</b> <sup>⊗</sup>	<ul style="list-style-type: none"> <li>• Annual test</li> <li>• Freezer beef exempt</li> </ul>	Yes – see table 3	Yes prior to all movements <sup>*</sup>	Yes - RFID

<sup>⊘</sup>The TB Free Zone is made up of all counties in Michigan's Upper Peninsula (see map).

<sup>‡</sup>Subzone 3 of the MAAZ includes all counties in the Lower Peninsula south of Subzone 2 (see map).

<sup>†</sup>The 11 counties in MAAZ Subzone 2 include: Arenac, Clare, Gladwin, Grand Traverse, Kalkaska, Missaukee, Osceola, Roscommon, Wexford and the portions of Iosco and Ogemaw counties that lie south of the southern most boundaries of the Huron National Forest and the Au Sable State Forest (see map).

<sup>⊖</sup>The 6 counties in MAAZ Subzone 1 include: Antrim, Charlevoix, Cheboygan, Crawford, Emmet, and Otsego counties (see map).

<sup>⊗</sup>The 7 counties in the MAZ include: Alcona, Alpena, Montmorency, Oscoda, Presque Isle and those portions of Iosco and Ogemaw counties that lie north of the southern most boundaries of the Huron National Forest and the Au Sable State Forest (see map).

<sup>\*</sup>If cattle movement from MAAZ Subzone 1 is to the Northern Michigan Livestock Association Saleyard on sale days, or to a USDA approved slaughter plant, no movement certificate is needed.

**TABLE 2: Movement Testing Requirements For The MAAZ**

MAAZ Bovine TB Cattle Testing Requirements for Movement within the State of Michigan				
MOVEMENT FROM	CLASS OF CATTLE			
	Calves Less Than 2 Months of Age	Sexually Intact Cattle	Steers and Spayed Heifers	Slaughter Cattle <sup>†</sup>
<b>MOVEMENT WITHIN MAAZ</b>				
Subzone 3	None <sup>‡</sup>	None	None	None
Subzone 2	None <sup>‡</sup>	None	None	None
Subzone 1 with WRMAP*	None <sup>‡</sup>	Negative movement test within 60 days if > 2 mo. of age	Negative movement test within 60 days if > 2 mo. of age	None
Subzone 1 without WRMAP*	None <sup>‡</sup>	Negative movement test within 60 days if > 2 mo. of age	Negative movement test within 60 days if > 2 mo. of age	None
<b>MOVEMENT TO MAZ</b>				
Subzone 3	None	None	None	None
Subzone 2	None <sup>‡</sup>	None	None	None
Subzone 1 with WRMAP*	None <sup>‡</sup>	None	None	None
Subzone 1 without WRMAP	None <sup>‡</sup>	Negative movement test within 60 days if > 2 mo. of age	Negative movement test within 60 days if > 2 mo. of age	None
<b>MOVEMENT TO TB FREE ZONE (UPPER PENINSULA)</b>				
Subzone 3	None	None	None	None
Subzone 2	None <sup>‡</sup>	<ul style="list-style-type: none"> <li>• None if from a bovine TB Accredited Free Herd</li> <li>• None if &lt; 6 mo. of age</li> <li>• None if &gt; 6 mo. of age <b>AND</b> winter verified as WRM <b>AND</b> has had negative WHT concurrent or subsequent to winter WRM verification</li> <li>• Negative movement test within 60 days if &gt; 6 mo. of age</li> </ul>	None	None
Subzone 1 without WRMAP*	None <sup>‡</sup>	Negative movement test within 60 days if > 2 mo. of age	Negative movement test within 60 days if > 2 mo. of age	None

<sup>†</sup> Moved directly to a USDA approved slaughter plant or through a licensed Michigan auction market to a USDA approved slaughter plant.

\* WRMAP – verified Wildlife Risk Mitigation Action Plan.

<sup>‡</sup> Subzone 1: cattle less than 2 months of age may be moved if they originate from a herd that is determined to not be overdue on TB surveillance testing.

**TABLE 3: Movement Testing Requirements For The MAZ**

MAZ Bovine TB Cattle Testing Requirements for Movement within the State of Michigan				
TYPE OF MOVEMENT	CLASS OF CATTLE			
	Calves Less Than 2 Months of Age	Sexually Intact Cattle	Steers & Spayed Heifers	Slaughter Cattle <sup>†</sup>
<b>Within MAZ</b>	Must come from herd with a negative whole herd test within 12 months	<ul style="list-style-type: none"> <li>• Originate directly from a bovine TB Accredited Free Herd, OR</li> <li>• Had negative whole herd test within 60 days, OR</li> <li>• Had negative movement test within 60 days</li> </ul>	<ul style="list-style-type: none"> <li>• Originate directly from a bovine TB Accredited Free Herd, OR</li> <li>• Had negative whole herd test within 60 days, OR</li> <li>• Had negative movement test within 60 days</li> </ul>	None
<b>To another zone in Michigan</b>	Must come from herd with a negative whole herd test within 12 months	<ul style="list-style-type: none"> <li>• Originate directly from a bovine TB Accredited Free Herd, OR</li> <li>• Had negative whole herd test within 12 mo <b>AND</b> had negative movement test within 60 days</li> </ul>	Negative movement test within 60 days of movement – no whole herd testing requirement	None

<sup>†</sup> Moved directly to a USDA approved slaughter plant or through a licensed Michigan auction market to a USDA approved slaughter plant.