



### Inside this issue:

EPA Conference . . . . .	1
Watershed Grant Awarded . . .	2
Watch out for Wildlife . . . . .	3
It's That Time Again . . . . .	4
Word Search Puzzle . . . . .	4
Weyosissok / Animals . . . . .	5
Congratulations Brian! . . . . .	5
Envirothon . . . . .	5
Newsletter Update . . . . .	6
Puzzle Answers . . . . .	6

### Special 2 Page Insert:

Driving Tips that Could Save  
Your Life

## HBMI Natural Resources Department



## Regional EPA Conference Held in Presque Isle

This year the Aroostook Band of Micmacs hosted the 6th Annual New England Tribal Environmental Training Conference at the University of Maine at Presque Isle. They kicked off the event with cultural activities held at their Spruce Haven facility and tribal land tours.

Chief Brenda Commander, along with Elder Charles Bernard and members of the Natural Resources Staff attended various events throughout the 4 day conference.

Participants from several federal agencies, the University of Maine and from the Penobscot, Passamaquoddy, Wampanoag, Eastern Pequot, Micmac, Narragansett and Maliseet tribes, also attended the conference.



Accepting the award check are (left to right) Sharri Venno, HBMI, Bob Goetzel EPA, Carol Jorgensen EPA-AIEO, Chief Commander, Linda Murphy, EPA, Jim Sappier EPA

Highlights of the conference included, the presentation of a check in the amount of \$700,000.00 to Chief Commander for the Watershed Initiative grant project submitted by the Natural Resources Department. (see page 2 for more on this project) Elder Charles Bernard also spoke with elders from other tribes on each of the 2 elders panels held during the conference.

The conference provided a great forum to make new contacts, hear what other tribal programs are doing, and to learn about new programs available to tribes in the New England Region. Hats off to Fred Corey and the staff from the Aroostook Band of Micmacs for a job well done!

Conference summary and additional Information is available at  
[www.micmac-epa.us](http://www.micmac-epa.us)



Elder Charles Bernard (inset and below left) speaking on Elders Panel

### TELEPHONE LISTING

(207) 532-4273

1-800-564-8524 (ME)

1-800-545-8524

#### ENVIRONMENTAL PLANNING

Sharri Venno - ext. 215

#### FORESTRY

David Lombard - ext 220

#### REAL ESTATE

Tony Tomah - ext 221

#### WATER RESOURCES

Dave Joseph - ext 216

Cara Ellis - ext 212

#### ADMIN. ASST.

Sue Young - ext 202

## EPA Awards \$700,000 For Maine Watershed Program on Meduxnekeag River

May 2, 2003

BOSTON - The U.S. Environmental Protection Agency today announced a \$700,000 grant for projects in the Meduxnekeag watershed in Eastern Maine. The grant will be used by the Houlton Band of Maliseet Indians, working with the Maine Department of Environmental Protection, the University of Maine Cooperative Extension, the USDA Natural Resources Conservation Service, the Town of Houlton, and the Southern Aroostook Soil and Water Conservation District, to improve water quality in the Meduxnekeag watershed, a tributary of the St. John River. The grant is among nearly \$15 million of grants awarded today to 20 watershed organizations across the country as part of the agency's new Watershed Initiative, and is one of three awarded in New England.

Today's announcement comes one year after President Bush, in his State of the Union Address, asked the nation's governors and tribal leaders to submit proposals to support community-based approaches to clean up the nation's watersheds. This year Congress appropriated \$15 million of the President's original \$20 million request.

"This national competition for these Watershed Initiative grants generated a torrent of outstanding proposals," said EPA Administrator Christie Whitman, who announced the winners today in New Jersey. "EPA is very excited to commit significant federal dollars to support these top watershed efforts, all of which will serve as national models for other communities to follow."



Selected from among more than 176 nominations, the Houlton Band will use the funds for two major projects in the watershed. The first project will reduce soil erosion and improve water quality by providing information and funding for farmers in the watershed to adopt crop rotation practices. (*Actually the funding is for agricultural*



*conservation practices not crop rotation practices, per Sharri Venno, Environmental Planner*) This involves planting a combination of spring varieties of small grain winter cover crops on potato fields harvested earlier in the season and mulching fields harvested later in the season. Improving soil quality also improves crop yields which will offer farmers an added benefit by implementing these practices. The second project will search for and correct sewer connections in the Town of Houlton that may be leaking raw sewage into the river.

"The Meduxnekeag project has clear goals, a focused approach, and the strong promise of real environmental benefits over the next two years," said Robert W. Varney, regional administrator for EPA's New England Office. "EPA is proud to be able to fund this work and join the strong partnership to make a cleaner river for the Maliseets and everyone in the region."

"The Meduxnekeag is very important to the tribe and to the community," said Tony Tomah, natural resources director for the Houlton Band of Maliseet Indians. "This grant is going to help us and our partners make real improvements that will benefit the whole watershed."

"The waterways of Maine are among our most important resources," said Maine Governor John Baldacci. "I'm very pleased that, thanks to this grant, we'll be able to enhance the Meduxnekeag. This project should provide benefits in the near future and for generations to come."



## Watch out for Wildlife !



Winter has given way to Spring and Spring will soon give way to Summer and that means animals are on the move.

Whether on a long drive or just a quick trip to the store, being alert for wildlife can help save

your life. Animal crashes in Maine have nearly doubled in the past 10 years. These crashes are occurring everywhere in Maine, not just on the Interstate. They're happening on back country roads, even in rural areas. Many of these crashes result in injury and/or fatality not to mention property damage.

While many animals are struck by vehicles each year, moose and deer crashes are the mostly costly in terms of dollar and lives.

Moose crashes peak during the months of May, June, July and September and are most common between the hours of 7pm and midnight. There are also a high number of crashes between midnight and 6am. In Maine, the number of deer crashes peak in the months of October, November and December with

5pm to midnight being the most common times reported. Deer crashes also spike between the hours of 4am and 7am.

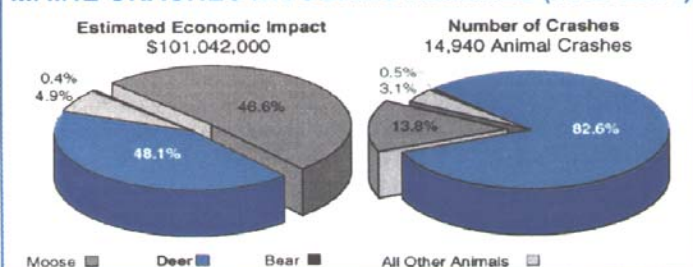
Don't let these times and months fool you, crashes involving deer and moose occur year round and at any time of the day. An average of 35 deer crashes per day are reported in Maine. Animal crashes occur in every state of the union and in Canada too.

Don't be the next statistic. Follow the safe driving practices listed on this page, wherever you are and when ever you get behind the wheel

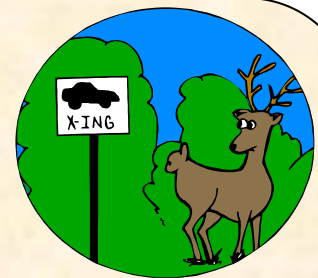
### Crash Facts Maine 1999-2001

	Deer	Moose
# of Crashes .....	12,325	2,068
# of crashes with injury or fatality. ....	465	448
# human fatalities. ....	2	8
# human injuries .....	519	583
Est. Economic Impact	\$47,077,000	\$48,589,000
Est. impact per crash .....	\$3,800	\$25,500

#### MAINE CRASHES INVOLVING ANIMALS (1999-2001)



### Safe Driving Tips



- ♦ Reduce speed when it's dark, wet or icy
- ♦ Make sure you can see well ahead
- ♦ Always have everyone buckle up
- ♦ Use high beams when appropriate
- ♦ Don't overdrive your headlights
- ♦ Stay alert and pay attention
- ♦ If you see a deer cross the road, watch out for others
- ♦ Watch for eye flashes or movement in the road or along roadsides
- ♦ SLOW DOWN!!

For more information contact  
[www.state.me.us.mdod/planning/safety/safety1.htm](http://www.state.me.us.mdod/planning/safety/safety1.htm)

## It's that time again . . .

No, not blackfly season. Summer is here and that means once again our department is joined by four summer techs.

This year the Water Resources Department is joined by Patty Howe and Julie Ivey. They will be assisting Dave Joseph and Cara Ellis with their work in the watershed.

They will be collecting water samples from the Meduxnekeag River and surrounding streams and brooks, then analyzing the samples in the lab in addition to other projects.

Meanwhile, Josh Toner and Luke Joseph have joined David Lombard as the Environmental/Forestry techs. They'll be working with David on various projects on tribal lands including a new nature trail.



Summer techs -

◀ Water Techs (left to right)  
Julie Ivey, Patty Howe

▼ Env/Forestry Techs (left to right)  
Luke Joseph, Josh Toner



## Word Search Puzzle

M	W	M	K	J	U	H	T	F	V	A	X	I	C	F	S	Damselfly
A	E	L	O	H	U	M	I	D	I	T	Y	I	I	B	Y	Deer
M	U	D	R	A	G	O	N	F	L	Y	A	R	E	D	L	Dragonfly
A	M	K	U	T	R	O	I	N	M	D	E	W	S	A	Y	Flower
L	A	R	W	X	S	S	G	Y	T	W	B	V	O	M	N	Fireworks
I	L	O	N	S	N	E	S	T	O	A	B	H	G	S	S	Fishing
S	U	M	M	E	R	E	T	R	A	T	L	I	M	E	A	Humidity
E	M	K	L	A	V	F	K	Y	U	E	B	F	S	L	M	Leaves
E	L	S	M	A	N	S	D	E	E	R	H	U	X	F	P	Maliseet
T	O	O	E	P	K	L	R	R	A	I	N	F	A	L	L	Meduxnekeag River
K	F	L	O	W	E	R	S	T	C	G	V	I	D	Y	I	Moose
E	D	S	O	N	A	T	U	R	E	T	R	A	I	L	N	Mosquito
L	H	T	S	R	D	A	M	O	S	Q	U	I	T	O	G	Mud
O	F	I	S	H	I	N	G	U	J	N	I	O	V	D	T	Nature Trail
O	J	C	H	S	I	N	D	T	S	H	I	B	E	E	C	Nest
K	M	E	N	A	S	E	L	O	K	A	E	G	P	S	R	Rainfall



## Weyosissock - Animals

Amakehs ~ *Butterfly*  
Amushopihk ~ *Spider*

Amuwes ~ *Bee*

Apikcilu ~ *Skunk*

Cihpolakon ~ *Eagle*

Cihkonaqc ~ *Turtle*

Coqol ~ *Frog*

Cossu ~ *Mosquito*

Eniqs ~ *Ant*

Espons ~ *Raccoon*

Isomeqehs ~ *Fish Hawk / Osprey*

Kahkakuhs ~ *Crow*

Kiwhos ~ *Muskrat*

Kiwonik ~ *Otter*

Lontoqiyehs ~ *Wood duck*

Malsom ~ *Wolf*

Mahtoqehs ~ *Rabbit*

Matuwehs ~ *Porcupine*

Mus ~ *Moose*

Muwin ~ *Bear*

Nem ~ *Turkey*

Nomehs ~ *Fish*

Oqim ~ *Loon*

Otuhk ~ *Deer*

Polam ~ *Salmon*

Qabit ~ *Beaver*

Qaqsohs ~ *Fox*

Soqehs ~ *Weasel*

Tihtokol ~ *Owl*

Tuhkis ~ *Mouse*

Uwaha ~ *Hawk*



## Envirothon 2003

On May 22, 2002 David Lombard, traveled to the Loring Commerce Center in Limestone Maine to participate in the Northern Maine Regional Envirothon hosted by the Northern Aroostook Soil and Water Conservation District (NASWCD). Teams of students representing area high schools competed against one another to test their knowledge on a number of environmental topics. Congratulation to the top 3 finishers were Easton 1, Hodgdon (SAD70) and Easton 2.



## Great Job!

The staff and visitors to the Health and Administration buildings have been doing a great job participating in our recycling and composting project.

By composting our fruit, vegetables and coffee grounds we are greatly reducing our trash and creating good compost for use in future landscape projects.

**Keep up the good work!**



## Congratulations!



This May, HBMI Education Direction Brian Reynolds shot his first turkey, pictured here. The tom weighed 19.5 pounds, had a 8-3/4 inch beard and 3/4 inch spurs.

Congratulations also go out to ?????????? For being drawn in the 2003 moose permit lottery.



## HBMI Natural Resources Department

*Houlton Band of Maliseet Indians*  
88 Bell Road  
Littleton, ME 04730  
Phone: 207-532-4273  
Fax: 207-532-2660

PRSRT STD  
U.S. POSTAGE  
PAID  
PERMIT #2  
HOULTON ME



## Newsletter Update

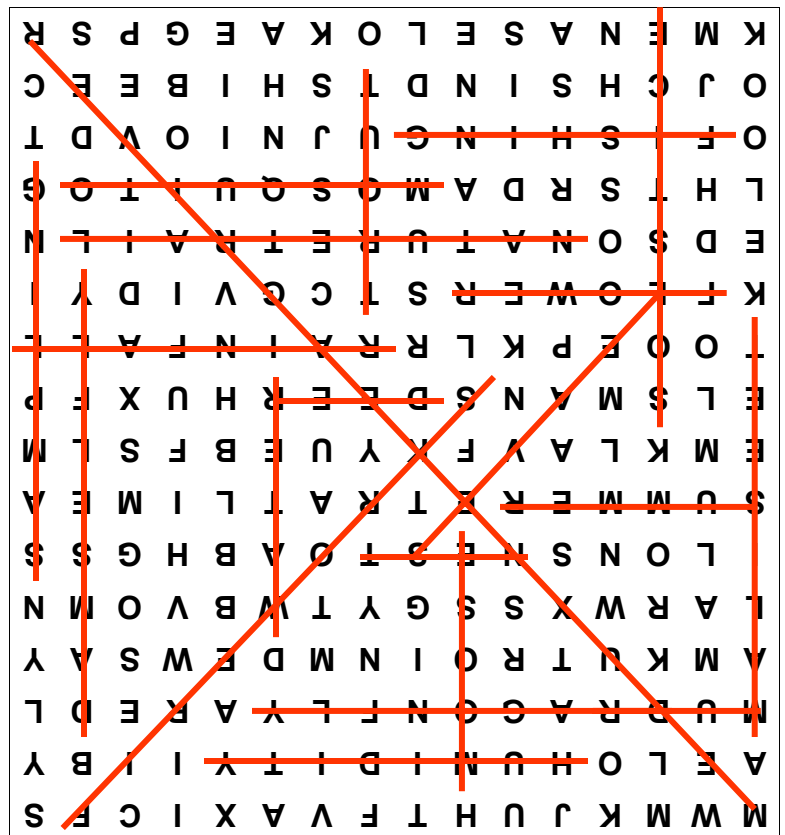


We're pleased to announce beginning with this issue, this newsletter can be sent to you via e-mail. Just email your request to [ogs1@maliseets.com](mailto:ogs1@maliseets.com) and the newsletter will

be sent to you electronically. Back issues of the newsletter are also available.

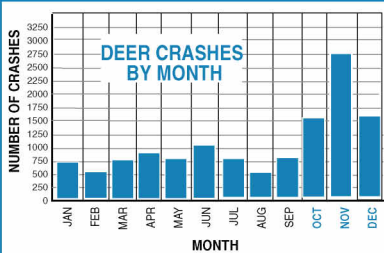
To view the newsletter you will need Adobe Acrobat Reader 5.0 or higher. This is a free program that can be downloaded at the Adobe site

<http://www.adobe.com/products/acrobat/readstep2.html>

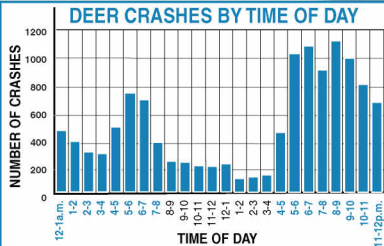


*Word Search Answers*

# DRIVING TIPS THAT COULD SAVE YOUR LIFE



Deer crashes are most common from October through December



The number of deer crashes peaks between 5pm and midnight. The high number of crashes from midnight to 8am, when traffic is very light, indicates this also is a dangerous time for deer crashes.

The key to safe driving is to stay alert and pay attention. The **SPIDE** process provides these steps to avoid crashes.

- Search the roadway and off-road areas 20-30 seconds ahead.
- Identify objects that may enter your path of travel well in advance.
- Predict actions or changes in the roadway that may increase crash risk.
- Decide how to minimize collision risk.
- Execute your decision.

## CRASH RATES ARE RISING

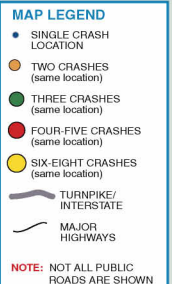
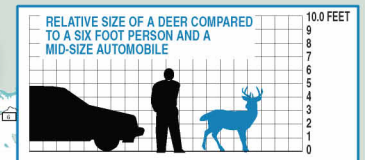
Crashes involving animals in Maine have nearly doubled over the past 10 years. Crashes with deer can occur anywhere in Maine—even urban areas. An average of 35 deer crashes are reported daily. Many of these crashes result in vehicle occupant injury or fatality.

## SOME DRIVING TIPS TO HELP KEEP YOU FROM BEING A STATISTIC

- Make sure you can see an adequate distance ahead.
- If you see one deer cross the road, watch out for others.
- Always have everyone buckle up.
- Reduce speed, especially when dark.
- Do not overdrive your headlights.
- Use high beam headlights when appropriate.



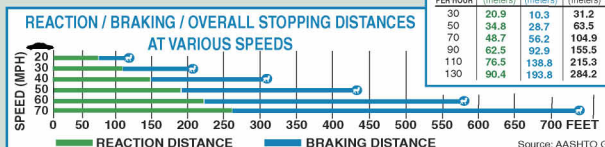
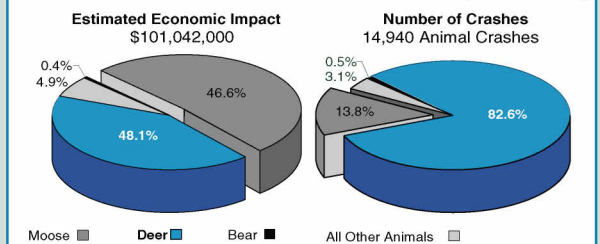
# MAINE DEER CRASHES 1999-2001



## DEER VEHICLE CRASH FACTS IN MAINE 1999-2001

	DEER
NUMBER OF CRASHES	12,335
NO. OF CRASHES WITH HUMAN INJURIES OR FATALITIES	465
NUMBER OF HUMAN FATALITIES	2
NUMBER OF HUMAN INJURIES	519
ESTIMATED ECONOMIC IMPACT	\$47,077,000
ESTIMATED IMPACT PER CRASH	\$3,800

## MAINE CRASHES INVOLVING ANIMALS (1999-2001)



During night driving, fog and rain, the recognition reaction time is increased; also, road surface (wet, icy) conditions and topographic features (hills) extend stopping distances.



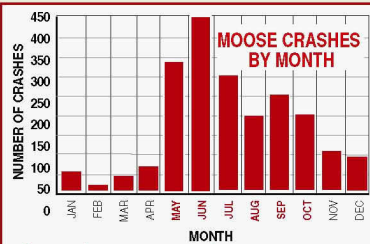
THE FOLLOWING MAINE STATE AGENCIES SUPPORTED THE PRODUCTION OF THIS MAP

DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF INLAND FISHERIES & WILDLIFE  
OFFICE OF SECRETARY OF STATE  
DEPARTMENT OF PUBLIC SAFETY  
MAINE TURNPIKE AUTHORITY

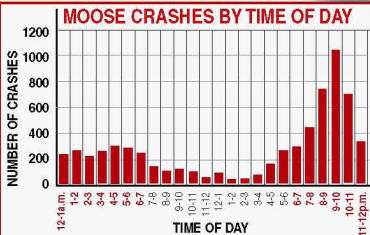
If you have questions or comments please contact us at:  
[www.state.me.us/mdot/planning/safety/safety1.htm](http://www.state.me.us/mdot/planning/safety/safety1.htm)



# DRIVING TIPS THAT COULD SAVE YOUR LIFE



Moose crashes are most common from May through October.



The number of moose crashes peaks between 7pm and midnight. The high number of crashes from midnight to 6am, when traffic is very light, indicates this is also a dangerous time for moose crashes.

The key to safe driving is to stay alert and pay attention. The SIPDE process provides these steps to avoid crashes.

- Search the roadway and off-road areas 20-30 seconds ahead.
- Identify objects that may enter your path of travel well in advance.
- Predict actions or changes in the roadway that may increase crash risk.
- Decide how to minimize collision risk.
- Execute your decision.

## CRASH RATES ARE RISING

Crashes involving animals in Maine have nearly doubled over the past 10 years. Crashes with moose can occur anywhere in Maine—even urban areas. With their dark brown color, moose are very difficult to see at night. A crash with a moose results in:

- A one in four chance of injury.
- An average of 3 fatalities per year.

## SOME DRIVING TIPS TO HELP KEEP YOU FROM BEING A STATISTIC

- Reduce speed when it is dark.
- Make sure you can see well ahead.
- Always have everyone buckle up.
- Use high beam headlights when appropriate.
- Do not overdrive your headlights.

# MAINE MOOSE CRASHES 1999-2001



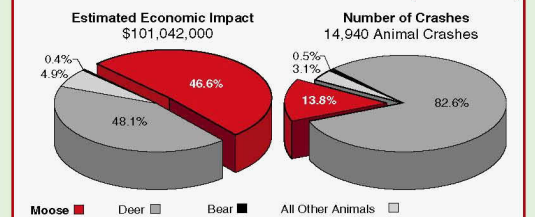
## MAP LEGEND

- SINGLE CRASH location
  - TWO CRASHES (same location)
  - THREE CRASHES (same location)
  - FOUR CRASHES (same location)
  - FIVE CRASHES (same location)
  - TURNPIKE/INTERSTATE
  - MAJOR HIGHWAYS
- NOTE: NOT ALL PUBLIC ROADS SHOWN

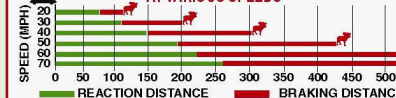
## ANIMAL VEHICLE CRASH FACTS IN MAINE 1999-2001

	MOOSE	OTHER ANIMALS
NUMBER OF CRASHES	2,068	12,872
NO. OF CRASHES WITH HUMAN INJURIES OR FATALITIES	448	568
NUMBER OF HUMAN FATALITIES	8	2
NUMBER OF HUMAN INJURIES	583	647
ESTIMATED ECONOMIC IMPACT	\$48,589,000	\$52,489,000
ESTIMATED IMPACT PER CRASH	\$23,500	\$4,600

## MAINE CRASHES INVOLVING ANIMALS (1999-2001)



## REACTION / BRAKING / OVERALL STOPPING DISTANCES AT VARIOUS SPEEDS



**METRIC EQUIVALENTS FOR STOPPING DISTANCES**

KILOMETERS PER HOUR	REACTION DISTANCE (meters)	BRAKING DISTANCE (meters)	OVERALL STOPPING DISTANCE (meters)
30	20.9	10.3	31.2
40	27.8	16.3	44.1
50	34.8	22.7	57.5
60	41.7	29.2	70.9
70	48.7	35.7	84.4
80	55.6	42.2	97.8
90	62.5	48.7	111.2
100	69.4	55.2	124.6
110	76.3	61.7	138.0
120	83.2	68.2	151.4
130	90.1	74.7	164.8

During night driving, fog and rain, the recognition reaction time is increased; also, road surface (wet, icy) conditions and topographic features (hills) extend stopping distances.



THE FOLLOWING MAINE STATE AGENCIES SUPPORTED THE PRODUCTION OF THIS MAP

DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF INLAND FISHERIES & WILDLIFE  
OFFICE OF SECRETARY OF STATE  
DEPARTMENT OF PUBLIC SAFETY  
MAINE TURNPIKE AUTHORITY

If you have questions or comments please contact us at:  
[www.state.me.us/mdot/planning/safety/safety1.htm](http://www.state.me.us/mdot/planning/safety/safety1.htm)