

Appendix C

Luce County Survey Results

Flooding: Please describe the extent and locations of any known flood damages or risks in your community, whether from a lake shoreline, from river, creek, or drain overflow, or from problems with area sewer systems.

*Manistique Lake area – flooding could take place and property located along shoreline could be severely damaged by 8"-10" rainfall in short period of time.

*Tahquamenon River spring runoff. Big rain event the catch basins not being able to handle runoff from entire road systems drainage at one time.

*Tahquamenon River is one mile north of M-28 in McMillan, where there hasn't ever been a flooding problem

*none known – low potential

*minimal risk in most or all areas

Wildfires: Please describe any known events or risks from wildfires in or near your community.

*S.W. corner mostly hardwood – not much chance of wildfire damage

*Areas of Jack Pine are located throughout the county that poses a wildfire threat.

*Spring, dry season, lots of remote campgrounds with ground fires, many residents have burn barrels.

*There is several acres of timber and woodlands in township (Columbus) where there is a very high risk of wildfire danger and the fire department has to respond every year to some type of types of wildfire. The recreation woodlands and lake areas are very susceptible to wildfires.

*many in past - great potential

*most of the northern Luce Co. is sandy soil planted jackpine or red pine which burns fast. Loss of personal property (cabins) is the risk, however, hot fires can harm the soil for years to come

*Northern pine in northern Luce Co.

Ground Movement: Please describe any events or known risks from earthquake activity, landslides, mudslides, erosion, or sink holes (such as that from collapsing mine tunnels).

*None in this area – (McMillan)

*Some soft grounds north of Village due to springs.

*Lake Superior has several high erosion areas that change the shoreline from year to year depending on the weather (storm, winds, etc)

Severe Winter Weather: Please describe the potential impact of severe winter weather conditions on your community, including the extent possible snow, sleet and ice and accumulation, extremely cold temperatures, and their impact on people, structures, infrastructure, business and services.

- *Always possible in this area. Most people are aware of this and are prepared
- *Rated #1 – travel delayed or unable to move; frozen water lines
- *could slow down movement for a short period of time – but local agency's are very well prepared for extreme weather conditions
- *always a high potential in the winter months and could result in stranded motorists or snow sledders seeking shelter.
- *great potential – extreme and lengthy cold weather this past winter caused damage of water supply, including state police post.
- *minimal impact since we live in a harsh environment due to location, and we have the equipment to compensate for most weather conditions. Loss of power could have the highest impact if for any extended period of time.
- *possible movement of those outside village into the village if prolonged power outages.

Severe Storms: Please describe the potential impacts of severe storms on your community, including the effects of heavy rains, hail, lightning, severe winds, and tornadoes; and their impact on people structures, infrastructure, business and services.

- *Wind damage is one of the worse situations we have – some very minor flash flooding can happen with heavy rains
- *depending on extent of damage, local agencies, village crew, road commission, state highway departs are fairly well equipped for severe storms, etc.
- *low risk of tornadoes – high winds yearly cause power outages. Lightning causes radio tower problems.
- *Village of Newberry and surrounding area around village where large population is located would cause the most impact

Technological Hazards: Please describe the potential impacts of industrial accidents or mishaps such as explosions, hazardous materials release, nuclear material incidents, accidents involving oil and gas wells and pipelines, structural fires, scrap tire fires, dam failures, or similar events.

- *Chemical – hauled via truck and railroad most every day through the area.
- *limited training and equipment to handle such incidents could hamper our efforts
- *Louisiana-Pacific – accident there would draw heavily on local services
- *believe this would be low

Weather Patterns: Please describe how your community may be particularly affected by extreme summer heat, or by drought events.

- *Older population suffer from high heat in summer months. Long term care unit at hospital not air conditioned.
- *wildfires is biggest concern with the number of campgrounds, remoteness of areas and ability to access is limited
- *low potential – may affect water supply, also high cooling usage may tax power capabilities.
- *being use to cooler weather, many residents may suffer heat stress and fill hospital beds to overcrowding
- *low water table, effecting drinking water in Village and Pentland Township which come from wells

Human-Caused Incidents: Please describe how your community might be vulnerable to acts of terrorism, sabotage, or civil disturbances.

- *Just went through Anthrax threat (6/16/03)
- *limited training & equipment needs, people not aware of dangers
- *any human caused incident affecting a large number of persons would put a great strain on our limited emergency services.
- *any community is at risk but overall Luce Co. is on the low side

Public Health Emergencies: Please describe how your community might be particularly affected by conditions of disease outbreak, contamination, etc. that would threaten public health.

- *an epidemic would be difficult to manage if victims numbers are high
- *limited to one hospital, number of access roads in and out of town, ways to communicate with whole community
- *limited EMS facilities and personnel
- *lack of resources, time to respond
- *hospital/health system could be over taxed and need for personnel and supplies or transport of patients to regional center

Large Scale Emergency Event: Please describe any special concerns relating to your community if some large-scale event (such as an enemy military attack, nuclear explosion, asteroid impact, etc.) were to occur.

- *Power outage
- *Not prepared
- *age of population – access to emergency trained people and appropriate equipment
- *chaos! Response ability and time factor for outside assistance

*isolation

Transportation Accidents: Please describe any special concerns or vulnerabilities your community might have from a larger-scale incident involving vehicles (aircraft, buses, ferries, ships, trains, etc.) carrying many passengers, or transporting hazardous materials.

*The effect on rivers and lakes.

*Rated #2 – could overrun hospital’s capabilities of handling victims

*number of available personnel, ambulances, doctors, emergency rooms

*state Hwy M-28 and railroad running through the township carrying and transporting different material.

*trains regularly pass through carrying hazardous materials, likewise, a great number of hazmat trucks on state highways, limited equipment and training to handle

*lack of resources (hospital beds, etc.)

*main concern would be buses with the largest potential of happening

Infrastructure Failure: Please describe the concerns, potential impacts, or vulnerabilities your community might have as a result of a breakdown in critical services, energy shortages, etc. that are necessary for the normal functioning of your community.

*Rated #3 – hospital maintains onsite generator and backup fuel source.

*distance from additional help

*being more rural may cope somewhat better. Village able to produce a limited amount of power if outside source fails

*Energy shortage would cause most concern.

*May be critical if failure happens in winter. Loss of bridge could isolate large population and affect other communities.

*backup generator of village which is fairly old but is used when Cloverland goes down

Please identify which of the described hazards are the most threatening to your community.

Wildfires, transportation of materials on Hwys and railroad and Tahquamenon River