

Q1 What is your role in the LRBOI community? (i.e., police officer, government employee, citizen, etc.)

Answered: 36 Skipped: 1

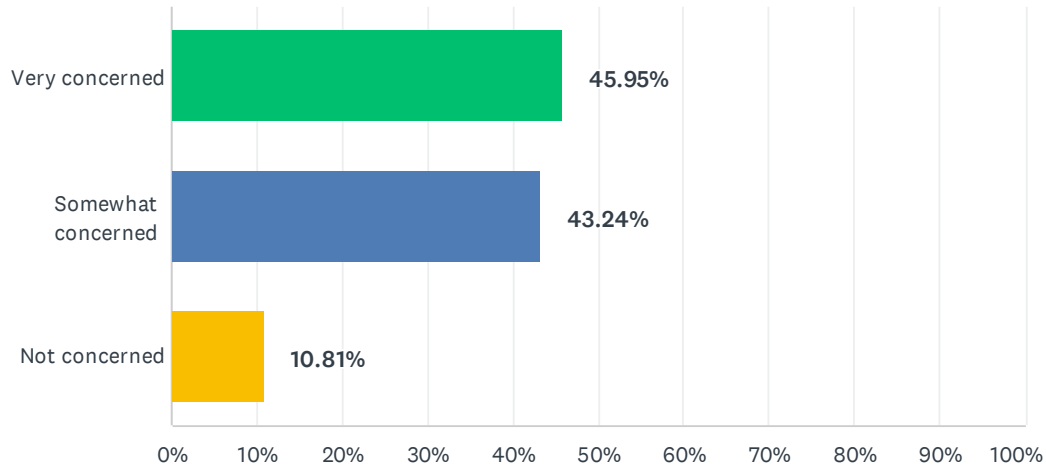
#	RESPONSES	DATE
1	Government employee	10/28/2021 8:35 AM
2	government employee and citizen	10/14/2021 2:35 PM
3	government employee	10/14/2021 1:21 PM
4	Government Employee	10/14/2021 1:15 PM
5	Utility Operator WWTP	10/14/2021 12:51 PM
6	government employee	10/14/2021 12:45 PM
7	pharmacy technician	10/14/2021 12:40 PM
8	Government employee	10/14/2021 12:39 PM
9	government employee	10/14/2021 12:17 PM
10	Goverbment employee	10/14/2021 12:17 PM
11	government employee	10/13/2021 11:39 AM
12	citizen and government employee	10/13/2021 9:59 AM
13	government employee	10/12/2021 1:55 AM
14	Government employee	10/11/2021 2:11 PM
15	government employee	10/8/2021 5:05 PM
16	Government employee	10/8/2021 3:35 PM
17	Police Chief/Citizen	10/8/2021 12:43 PM
18	Government Employee-Legislative Assistant	10/8/2021 7:22 AM
19	Surveillance Operator	10/7/2021 12:43 PM
20	Government Employee	10/7/2021 12:03 PM
21	Tribal Probation officer, and Tribal citizen	10/7/2021 11:35 AM
22	Government employee	10/7/2021 11:29 AM
23	Utility Director	10/7/2021 11:27 AM
24	Tribal Councilor	10/7/2021 11:24 AM
25	Government Employee	10/7/2021 10:55 AM
26	Government Employee	10/7/2021 10:46 AM
27	Government Employee	10/7/2021 10:41 AM
28	Government employee and spouse	10/7/2021 10:27 AM
29	Government Employee	10/7/2021 9:59 AM
30	Program Specialist	10/7/2021 9:48 AM
31	government employee	10/7/2021 9:45 AM

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32	police detective	10/7/2021 9:44 AM
33	Government, Citizen	10/7/2021 9:44 AM
34	Tribal Government Employee and Tribal Member	10/7/2021 9:40 AM
35	Neighboring County Emergency Management Coordinator	10/6/2021 3:06 PM
36	Government Employee	10/6/2021 11:16 AM

Q2 How concerned are you about future natural hazard events impacting your community?

Answered: 37 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very concerned	45.95%	17
Somewhat concerned	43.24%	16
Not concerned	10.81%	4
TOTAL		37

Q3 What type of natural hazard events are likely to have the largest impact on your community (for example fire, flood, drought, illness outbreak, etc.)?

Answered: 37 Skipped: 0

#	RESPONSES	DATE
1	fire, illness	10/28/2021 8:35 AM
2	flood, chemical spills	10/18/2021 8:40 AM
3	flooding, snow storms, wind, illness	10/14/2021 2:35 PM
4	fire	10/14/2021 1:21 PM
5	Fire, Floods, Illness outbreak	10/14/2021 1:15 PM
6	illness, loss of power to unprotected lift stations	10/14/2021 12:51 PM
7	Illness and outbreak, possible threat attacks.	10/14/2021 12:45 PM
8	illness outbreak, weather (snow)	10/14/2021 12:40 PM
9	Large storm, possible flood, apparently illness outbreak most recently	10/14/2021 12:39 PM
10	Illness outbreak, flood.	10/14/2021 12:17 PM
11	Illness Outbreak	10/14/2021 12:17 PM
12	flood, with corresponding dam failure(s)	10/13/2021 11:39 AM
13	water contamination, air pollution, lack of outbreak resources	10/13/2021 9:59 AM
14	fire	10/12/2021 1:55 AM
15	Thunder storms, high winds, snow storms, illness outbreaks	10/11/2021 2:11 PM
16	illness outbreak, fire, drought	10/8/2021 5:05 PM
17	Not sure. Probably disease	10/8/2021 3:35 PM
18	Illness outbreak and wildfire	10/8/2021 12:43 PM
19	Illness Outbreak	10/8/2021 7:22 AM
20	Severe Weather Storms	10/7/2021 12:43 PM
21	Fire, tornado, bad snow storms, and illness outbreak	10/7/2021 12:03 PM
22	Major storms and damage caused by the storm.	10/7/2021 11:35 AM
23	Flood, Illness, possible fires, Damaging winds, Blizzards	10/7/2021 11:29 AM
24	Electrical Outage, fire, illness outbreak,	10/7/2021 11:27 AM
25	Fire, illness outbreaks, flooding, wind damage not necessarily tornadoes but those can be included	10/7/2021 11:24 AM
26	Illness outbreak, Fire,	10/7/2021 10:55 AM
27	Flood and/or drought	10/7/2021 10:46 AM
28	Primarily flooding due to old infrastructure (dams) failing. Also, severe weather such as straight-line winds & tornadoes.	10/7/2021 10:41 AM
29	Flood, fire (wildfire if conditions are dry), and illness outbreak (people are gross!)	10/7/2021 10:27 AM

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30	Tornado or Fire	10/7/2021 9:59 AM
31	Illness, flooding, Winter Storms.	10/7/2021 9:48 AM
32	illness outbreak	10/7/2021 9:45 AM
33	flood or fire	10/7/2021 9:44 AM
34	fire, illness outbreak	10/7/2021 9:44 AM
35	There are two things I am concerned about. The first would be some type of natural disaster or severe weather occurrence. The second would be a serious illness outbreak like the current Covid-19 pandemic.	10/7/2021 9:40 AM
36	Severe Storms, Flooding, Winter Weather	10/6/2021 3:06 PM
37	Flood, Fire, Drought, PFAS, oil or oil product spill, dam failure, extreme seiche event, train derailment,	10/6/2021 11:16 AM

Q4 Does your community have concerns about infrastructure (dams, bridges, utilities, etc.) and the potential for a hazardous event in the future? Please describe.

Answered: 34 Skipped: 3

#	RESPONSES	DATE
1	i am unsure	10/28/2021 8:35 AM
2	bridges, manufacturing spills - water contamination	10/18/2021 8:40 AM
3	Only one dam (Tippy) but bridges are being repaired	10/14/2021 1:15 PM
4	loss of power at some of our sewage lift stations that do not have generator backup, would cause sewage to overflow into peoples homes and from the wet wells out onto the ground. this would create the perfect environment for vectors to carry diseases to the population	10/14/2021 12:51 PM
5	The intersection of US 31 at the casino needs a traffic light. Not a round-a-bout!	10/14/2021 12:45 PM
6	no	10/14/2021 12:40 PM
7	Yes. infrastructure in some areas are getting old. While maintenance is occurring on some, it is an ongoing process.	10/14/2021 12:39 PM
8	Yes all the above	10/14/2021 12:17 PM
9	LRBOI is downstream of Hodenpyl and Tippy dams. failure of these dams would cause widespread flooding in the community.	10/13/2021 11:39 AM
10	roads need to be repaired. Infrastructure needs to be expanded to allow for future building.	10/13/2021 9:59 AM
11	bridges are in need of repair	10/12/2021 1:55 AM
12	Not that I am aware of.	10/11/2021 2:11 PM
13	Tippy Dam	10/8/2021 5:05 PM
14	not really	10/8/2021 3:35 PM
15	Yes. We work with Consumers Energy on dam failure or flood as most of the community would be flooded should this event take place.	10/8/2021 12:43 PM
16	Manistee has two draw bridges that may be damaged like during a severe storm. Traffic needs to flow through those two areas to get from one side to the other in Manistee.	10/8/2021 7:22 AM
17	Utilities	10/7/2021 12:43 PM
18	There are no annual infrastructure assessments or inspections done on our roofs, windows, etc.	10/7/2021 12:03 PM
19	power outages, caused by snow storms.	10/7/2021 11:35 AM
20	I believe so, we have lots of Bridges, and a few dams that is a great concern for most.	10/7/2021 11:29 AM
21	We have processes in pace for Utility disasters, Vulnerability assessment, water and sewer issues.	10/7/2021 11:27 AM
22	i do. our infrastructure isnt as strong as it should be. nor it is updated. with our utilities dept. concern is keeping it updated and functioning properly and do we have enough going into the future to handle what we need	10/7/2021 11:24 AM
23	Utilities are a concern. Back up generators would be Great Idea	10/7/2021 10:55 AM
24	I would hope they do	10/7/2021 10:46 AM
25	Yes, as described Dams are old and may be prone to failure in a hard rain event.	10/7/2021 10:41 AM

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26	Tippy dam - if this were to break it would not be good!	10/7/2021 10:27 AM
27	Not that I am aware of	10/7/2021 9:59 AM
28	Bridges (vehicle and railcars), Utility Lines, City water and sewage infrastructure	10/7/2021 9:48 AM
29	several of the bridges in the area are quite old and need of repair	10/7/2021 9:45 AM
30	yes	10/7/2021 9:44 AM
31	no	10/7/2021 9:44 AM
32	The only infrastructure we have at this time is our water and wastewater systems. I am not aware of any major concerns regarding those systems.	10/7/2021 9:40 AM
33	Yes. Infrastructure is aging while certain severe storms are increasing in intensity and frequency. Many of the County's drainage systems have been impacted in recent years with flash flooding.	10/6/2021 3:06 PM
34	dams are old, train bridges are old, major bridges and culverts in the community are undersized. infrastructure in general is not designed for climate chaos.	10/6/2021 11:16 AM

Q5 Does your community have concerns that a natural hazard event in the future would require investment in new and/or upgraded infrastructure and technology? (I.e., renewable energy, improved stormwater management, internet/cellular, etc.)

Answered: 35 Skipped: 2

#	RESPONSES	DATE
1	I do not know	10/28/2021 8:35 AM
2	yes	10/18/2021 8:40 AM
3	rural internet	10/14/2021 1:21 PM
4	renewable energy, improved cellular and internet access.	10/14/2021 1:15 PM
5	yes backup generators need to be installed at all waste water liftstations, and improved software to allow control of systems remotely	10/14/2021 12:51 PM
6	Possibly internet/cellular. The government center needs wireless internet and a cell booster. My department does much communication with clients via cell phone. The reception is horrible. Calls are often dropped and sometimes messages won't send.	10/14/2021 12:45 PM
7	no	10/14/2021 12:40 PM
8	Internet, especially in rural areas.	10/14/2021 12:39 PM
9	All the above	10/14/2021 12:17 PM
10	wastewater treatment and roads infrastructure could be severely impacted by natural hazards.	10/13/2021 11:39 AM
11	Internet, renewable energy	10/13/2021 9:59 AM
12	unknown	10/12/2021 1:55 AM
13	Not that I am aware of.	10/11/2021 2:11 PM
14	Improved stormwater management will be important to handle increased extreme rainwater events.	10/8/2021 5:05 PM
15	not sure	10/8/2021 3:35 PM
16	Yes. Cell towers in our region are spotty and are regularly taken out by violent storms.	10/8/2021 12:43 PM
17	The loss of Electrical Services would be the most damaging due to Elders needing these services.	10/8/2021 7:22 AM
18	yes all of the above	10/7/2021 12:43 PM
19	Upgraded infrastructure is needed with our technology.	10/7/2021 12:03 PM
20	in an event of a natural hazard, access to emergency support and relief would be helpful.	10/7/2021 11:35 AM
21	Not sure about this.	10/7/2021 11:29 AM
22	currently working on renewable energy	10/7/2021 11:27 AM
23	i dont know about everyone else but i do have infrastructure concerns, stormwater management, technology, internet... we are looking at going into renewable energy so its a start	10/7/2021 11:24 AM
24	Upgraded Electrical Generators and or Solar power would be good Ideas	10/7/2021 10:55 AM
25	I would hope so	10/7/2021 10:46 AM

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26	The Tribe has interest in renewable energy investment to build resilience against down time due to natural hazard events.	10/7/2021 10:41 AM
27	Internet/cellular, renewable energy is always a plus when done right! There are houses in the tribal housing that have solar panels that were never set up completely.	10/7/2021 10:27 AM
28	I think these are certainly concerns, that good planning can help mitigate.	10/7/2021 9:59 AM
29	Internet/cellular, water run off, Power lines	10/7/2021 9:48 AM
30	not sure	10/7/2021 9:45 AM
31	yes	10/7/2021 9:44 AM
32	internet/cellular, renewable energy	10/7/2021 9:44 AM
33	I don't think there is a specific concern regarding a natural hazard event. However, we are taking a serious look at renewable energy and internet broadband resources, and would like to make them available as soon as possible.	10/7/2021 9:40 AM
34	Stormwater management will be an on-going need especially during development. Fluctuations in Lake Michigan levels have prompted the need for upgrade infrastructure for water treatment and shoreline erosion prevention	10/6/2021 3:06 PM
35	yes	10/6/2021 11:16 AM

Q6 Have there been any negative impacts on the public health and/or natural environment of your community that you attribute to climate change?

Answered: 33 Skipped: 4

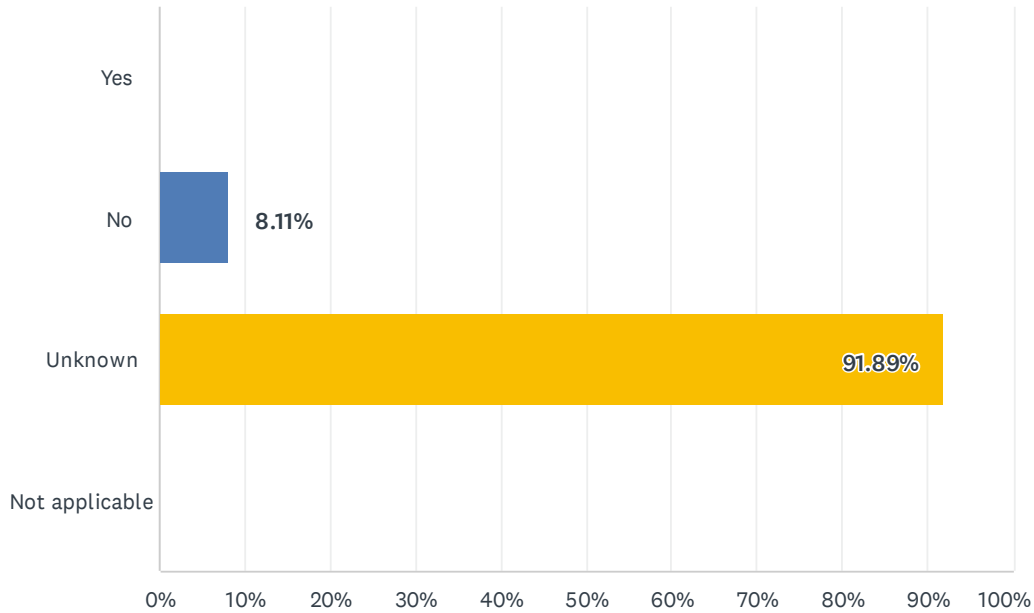
#	RESPONSES	DATE
1	Not that I am aware of	10/28/2021 8:35 AM
2	unknown	10/18/2021 8:40 AM
3	natural environment with decline in wetlands, increased fire damage	10/14/2021 1:15 PM
4	Don't know	10/14/2021 12:45 PM
5	no	10/14/2021 12:40 PM
6	In environmental community yes. Many animal species, including some culturally significant species, have been seen negative impacts.	10/14/2021 12:39 PM
7	NO!	10/14/2021 12:17 PM
8	None that I am aware of. But it is only a matter of time before these impacts become impossible to miss.	10/13/2021 11:39 AM
9	yes	10/13/2021 9:59 AM
10	not that I'm aware of	10/12/2021 1:55 AM
11	Not that I am aware of.	10/11/2021 2:11 PM
12	Climate change has led to increased wildfire frequency and severity. Particulates from western wildfires reached us here and was detectable in air quality monitoring data. Winters have become milder in terms of lower snowfall and higher minimum temperatures, which increases the spread of invasive pests and diseases in the environment. For example, the lack of killing frosts has facilitated hemlock woolly adelgid spread. Erratic precipitation patterns have resulted in periods of drought which impact native plant and animal species. For example, the drought in Spring 2021 was followed by an unusually wet summer, which negatively impacted wild rice populations.	10/8/2021 5:05 PM
13	Yes the climate is changing. Hopefully the flora and fauna will be able to adapt.	10/8/2021 3:35 PM
14	Not to my knowledge	10/8/2021 12:43 PM
15	Weather related impacts causes more than just physical or structural damage.	10/8/2021 7:22 AM
16	yes	10/7/2021 12:43 PM
17	No, not that I'm aware of.	10/7/2021 12:03 PM
18	not yet, however evasive insects have harmed the black ash trees.	10/7/2021 11:35 AM
19	Well there is Public Health issues all over, not sure if it has to do with climate change.	10/7/2021 11:29 AM
20	not as of yet	10/7/2021 11:27 AM
21	climate change??? i dont think so.	10/7/2021 11:24 AM
22	Water tables rise and falling	10/7/2021 10:55 AM
23	Not sure	10/7/2021 10:46 AM
24	No	10/7/2021 10:41 AM
25	Possibly - not my area of study but it would not be surprising that there are.	10/7/2021 10:27 AM

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26	No, the climate has not changed, weather changes in the short term. Our climate has remained pretty much the same for generations.	10/7/2021 9:59 AM
27	Shoreline erosion	10/7/2021 9:48 AM
28	not so much in this area	10/7/2021 9:45 AM
29	I would say yes, high water levels heavy rains, hot summers	10/7/2021 9:44 AM
30	no	10/7/2021 9:44 AM
31	It's really hard to say. Since I don't interact directly in the public health or environmental areas, I have no direct knowledge of any negative impacts.	10/7/2021 9:40 AM
32	County has responded to several severe storms that have impacted the community. Overall public impacted are limited but the strain this places on the community and the emergency response network is starting to have an effect.	10/6/2021 3:06 PM
33	yes	10/6/2021 11:16 AM

Q7 Has your community requested assistance for mitigation projects in the past?

Answered: 37 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	0.00%	0
No	8.11%	3
Unknown	91.89%	34
Not applicable	0.00%	0
TOTAL		37

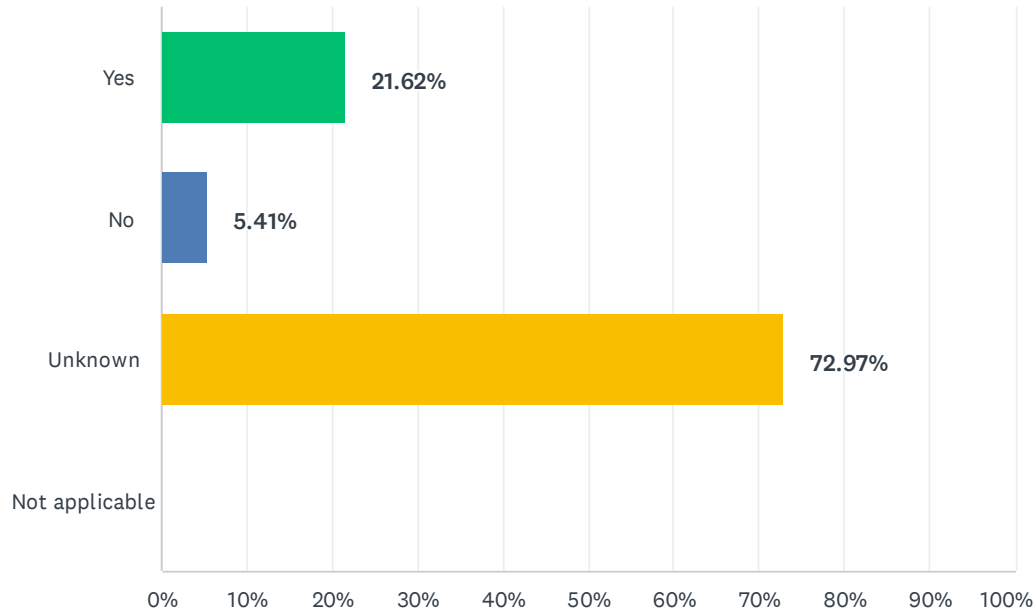
Q8 If so, was your request granted and what type of project did the request include?

Answered: 30 Skipped: 7

#	RESPONSES	DATE
1	N/A	10/28/2021 8:35 AM
2	unknown	10/14/2021 1:15 PM
3	NA	10/14/2021 12:45 PM
4	n/a	10/14/2021 12:40 PM
5	Possibly for infrastructure work	10/14/2021 12:39 PM
6	N/A	10/14/2021 12:17 PM
7	Unknown	10/13/2021 11:39 AM
8	unknown	10/13/2021 9:59 AM
9	unknown	10/12/2021 1:55 AM
10	Unknown	10/11/2021 2:11 PM
11	N/A	10/8/2021 5:05 PM
12	n/a	10/8/2021 3:35 PM
13	n/a	10/8/2021 12:43 PM
14	N/A	10/8/2021 7:22 AM
15	Unknown	10/7/2021 12:43 PM
16	n/a	10/7/2021 12:03 PM
17	N/A	10/7/2021 11:35 AM
18	?	10/7/2021 11:29 AM
19	N/A	10/7/2021 11:24 AM
20	unknown	10/7/2021 10:55 AM
21	N/A	10/7/2021 10:41 AM
22	Don't know.	10/7/2021 10:27 AM
23	Unknown	10/7/2021 9:59 AM
24	unknown	10/7/2021 9:48 AM
25	not sure	10/7/2021 9:45 AM
26	n/a	10/7/2021 9:44 AM
27	Unknown	10/7/2021 9:44 AM
28	I have no knowledge of this.	10/7/2021 9:40 AM
29	Have only requested Hazard Mitigation Grants to update Mason County's plan during my tenure	10/6/2021 3:06 PM
30	unknown	10/6/2021 11:16 AM

Q9 Has your community considered mitigation strategies for potential or current hazards?

Answered: 37 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	21.62%	8
No	5.41%	2
Unknown	72.97%	27
Not applicable	0.00%	0
TOTAL		37

Q10 If so, please identify potential strategies you would like to explore in the near future.

Answered: 28 Skipped: 9

#	RESPONSES	DATE
1	N/A	10/28/2021 8:35 AM
2	I don't have that information	10/14/2021 1:15 PM
3	NA	10/14/2021 12:45 PM
4	n/a	10/14/2021 12:40 PM
5	Infrastructure	10/14/2021 12:39 PM
6	N/A	10/14/2021 12:17 PM
7	Unknown	10/13/2021 11:39 AM
8	n/a	10/13/2021 9:59 AM
9	unknown	10/12/2021 1:55 AM
10	Unknown	10/11/2021 2:11 PM
11	N/A	10/8/2021 5:05 PM
12	na	10/8/2021 3:35 PM
13	n/a	10/8/2021 12:43 PM
14	N/A	10/8/2021 7:22 AM
15	None	10/7/2021 12:43 PM
16	n/a	10/7/2021 12:03 PM
17	as our population ages, help and emergencies services for the elderly in a hazard event.	10/7/2021 11:35 AM
18	previous plan in place updating this plan is needed	10/7/2021 11:27 AM
19	We are in the process of completing renewable energy studies and strategic planning to begin investing in renewable energy projects to make our community more resilient.	10/7/2021 10:41 AM
20	Again, don't know.	10/7/2021 10:27 AM
21	One consideration is to have our duplicate electronic information and data stored at an alternative site at least 50 miles from our "home" site. Reducing the risk of having a singular event wipe out all electronic information and its back-up.	10/7/2021 9:59 AM
22	unknown	10/7/2021 9:48 AM
23	not sure	10/7/2021 9:45 AM
24	n/a	10/7/2021 9:44 AM
25	Unknown	10/7/2021 9:44 AM
26	I have no recommendations in this area.	10/7/2021 9:40 AM
27	Mason County is currently in the process of updating our hazard mitigation plan and it's strategies	10/6/2021 3:06 PM
28	we haven't identified strategies	10/6/2021 11:16 AM

Q11 Is there any additional information you would like us to consider as we write the tribe's Natural Hazard Mitigation Plan?

Answered: 27 Skipped: 10

#	RESPONSES	DATE
1	Unknown	10/28/2021 8:35 AM
2	cultural properties and impacts	10/14/2021 1:15 PM
3	Safety over profits, please!	10/14/2021 12:45 PM
4	no	10/14/2021 12:40 PM
5	Native plant and animal species. Infrastructure	10/14/2021 12:39 PM
6	N/A	10/14/2021 12:17 PM
7	Unknown	10/13/2021 11:39 AM
8	Cultural appreciation of lands/ property.	10/13/2021 9:59 AM
9	no	10/12/2021 1:55 AM
10	No	10/11/2021 2:11 PM
11	LRBOI NRD initiated a Wetland Program in 2021 that is working to map and monitor wetlands on Tribal properties. Wetlands are key to mitigating floodwater surges, and their protection and restoration is vital to flood hazard mitigation.	10/8/2021 5:05 PM
12	no	10/8/2021 3:35 PM
13	n/a	10/8/2021 12:43 PM
14	No	10/8/2021 7:22 AM
15	Winter storm or Severe weather impact on employees who must come to work during dangerous event.	10/7/2021 12:43 PM
16	I would consider adding snow storms and ice storms to the plan.	10/7/2021 12:03 PM
17	Have a "Natural Hazard Mitigation Plan" that is realistic, do-able and easy to follow by the people the will implement the plan.	10/7/2021 11:35 AM
18	nothing comes to mind	10/7/2021 11:27 AM
19	No	10/7/2021 10:41 AM
20	If this includes drugs (meth, cocaine, etc.) this would be a great thing to include as this seems to be a rising problem in the community - not sure if it falls under this umbrella or not.	10/7/2021 10:27 AM
21	No	10/7/2021 9:59 AM
22	unknown	10/7/2021 9:48 AM
23	no	10/7/2021 9:45 AM
24	no	10/7/2021 9:44 AM
25	Unknown	10/7/2021 9:44 AM
26	Not at this time. Thank you.	10/7/2021 9:40 AM
27	Considering the Tribal values and importance of game and non-game species to the community.	10/6/2021 11:16 AM

Q12 Are you interested in serving on the advisory team or being involved in future public engagement events for the plan update? Please share your contact information so we may include you on future invitations.

Answered: 26 Skipped: 11

#	RESPONSES	DATE
1	No	10/28/2021 8:35 AM
2	No	10/14/2021 1:15 PM
3	No thank you.	10/14/2021 12:45 PM
4	no	10/14/2021 12:40 PM
5	No	10/14/2021 12:39 PM
6	No thank you	10/14/2021 12:17 PM
7	No	10/14/2021 12:17 PM
8	N/A	10/13/2021 11:39 AM
9	no	10/12/2021 1:55 AM
10	not at this time	10/8/2021 3:35 PM
11	I don't have the time very busy at work and home.	10/8/2021 7:22 AM
12	Sure I been a Cooperative Observer for the National Weather Service for over 20 years. I would be happy to share my knowledge on the subject. 231-510-9626 Philip Webber	10/7/2021 12:43 PM
13	Yes, I would like to serve on the advisory team. patrickwilson@lrboi-nsn.gov Ph. 1(231) 398-2239. however, this will need to be okayed by the Chief Judge.	10/7/2021 11:35 AM
14	No	10/7/2021 11:29 AM
15	yes	10/7/2021 11:27 AM
16	Yes	10/7/2021 10:55 AM
17	No thank you	10/7/2021 10:46 AM
18	Yes	10/7/2021 10:41 AM
19	No	10/7/2021 10:27 AM
20	No, you lost me with the climate change question.	10/7/2021 9:59 AM
21	no thank you	10/7/2021 9:45 AM
22	no	10/7/2021 9:44 AM
23	no	10/7/2021 9:44 AM
24	Yes. Here is my contact information: Steve Parsons, BIA Roads/Planning Coordinator, Email: stephenparsons@lrboi-nsn.gov, Phone: 231-398-6810.	10/7/2021 9:40 AM
25	Sure, emergencymanagement@masoncounty.net	10/6/2021 3:06 PM
26	Yes - allisonsmart@lrboi-nsn.gov	10/6/2021 11:16 AM