

## APPENDIX C: VILLAGE PUBLIC INVOLVEMENT QUESTIONNAIRE RESULTS

**TOTAL QUESTIONNAIRES RETURNED**                      **187**  
**TOTAL QUESTIONNAIRES DISSEMINATED**            **2,300**

This represents an **8.13% return rate**.

### SUMMARY OF RESPONSES

**Note:** Not all questions were answered by each respondent; therefore, the percentage presented has been calculated based on the number of respondents that answered the specific question and not the overall number of questionnaires received.

**Question # 1:** In the past 10 years have you or has someone in your household experienced a natural disaster *within the Village of Briarcliff Manor* such as: flood, severe storm (high winds, hail, dangerous lightning), severe winter storm, wildfire, or other natural disaster? (186 respondents answered this question)

**68.8%** said yes.

**31.2%** said no.

**Question # 1(a):** If yes to question #1, which of the following types of natural hazard events have you or someone in your household experienced? Respondents could choose as many hazards as they felt applied.

Hazard	% of total responses
Flood	36.7
Drought	6.3
Tornado	4.7
Severe Winter Storm (heavy snow, blizzard)	78.1
Ice Storm	20.3
Wild Land Fire	0
Landslide	0
Severe Storm (wind, lightning, hail)	71.9
Excessive Temperature	24.2
Other**	7.8

Notes: \*\*Examples of Other were: Hurricanes/Tropical Storms)



**Question #2:** Do you consider yourself prepared for the probable impacts from natural events that may occur within Briarcliff Manor? (176 respondents answered this question)

**47.6%** said **yes**.

**45.0%** said **no**.

**1.1%** said **not sure**.

**Question # 2(a):** If yes, why are you prepared?

**38.2%** indicated Emergency preparedness information from a government source (e.g., federal, state, or local emergency management)

**72.0%** indicated Experience. Have experienced one or more natural hazard events.

**27.3%** indicated Locally provided news or other media information.

**11.2%** indicated Schools and other academic institutions.

**2.2%** indicated Attended meetings that have dealt with disaster preparedness.

**14.6%** indicated Other

(Examples of "Other" included: general literature, weather reports, Briarcliff Manor Fire Department (BMFD), American Red Cross, common sense, Education, church, insurance company, and Emergency Building Assessment Training )

**Question # 2(b):** Please rank how prepared you feel you and your household are for the probable impacts of natural hazard events likely to occur within Briarcliff Manor. Rank on a scale of 1 to 5, with 5 representing the most prepared. (173 respondents answered this question)

*The average ranking was: 3 (49.7%)*

**Question # 3:** How concerned are you personally about the following natural hazards impacting Briarcliff Manor (on a scale of 1 to 5 with 1 being "not concerned" and 5 being "extremely concerned")?

For this question each response was give a score and a cumulative average was determined for each hazard. The average score and observations for each hazard are as follows:

Hazard	Average Ranking	# of Reponses	%	Observation
Flood	1-2	186	35.5	Respondents are "somewhat concerned" about this hazard
Drought	1	170	45.9	Respondents are "not concerned" about this hazard
Tornado	2	176	47.7	Respondents are "somewhat concerned" about this hazard

Hazard	Average Ranking	# of Reponses	%	Observation
Severe Winter Storm (heavy snow, blizzard)	3	180	35.5	Respondents are “concerned” about this hazard
Ice Storm	3	180	38.3	Respondents are “concerned” about this hazard
Wild Land Fire	1	176	58.0	Respondents are “not concerned” about this hazard
Landslide	1	175	74.9	Respondents are “not concerned” about this hazard
Severe Storm (wind, lightning, hail)	2-3	177	32.8	Respondents are “concerned” about this hazard
Excessive Temperature	1-2	172	32.6	Respondents are “somewhat concerned” about this hazard
Other	3-5	21	66	Respondents are “concerned to extremely concerned” about other hazards

Notes: Examples of other hazards listed include: Hurricane, Power Outages, Water Contamination, Earthquake, Avian Flu, Air or Waterborne Diseases, Downed Trees.

**Question #4:** Respondents were asked to identify the most effective ways to disseminate information to them. They were give 19 selections to choose from and could choose as many options as they felt applied. The 19 selections are listed in the order that they were ranked from most effective to least effective. On the average, 6 top selections were chosen by each recipient.

Answer	# of People	Percentage
TV Advertisements	136	72.7
TV News	124	66.3
Informational brochures	119	63.6
Newspaper	88	47.1
Radio News	86	46.0
Internet	85	45.5
Public Awareness timeframe	42	22.5
Fire Dept	39	20.9
Schools	35	18.7
Public Meetings	34	18.2
Public Library	31	16.6
Telephone Book	19	10.2
Workshops	19	10.2
Church	18	9.6
Radio Advertisements	15	8.0
Outdoor Advertisements	9	4.8



Academic Institutions	7	3.7
Chamber of Commerce	6	3.2
Books	6	3.2
Other	1	0.5

(Examples of other media include: short wave radio, interaction with friends, Westchester.gov and mailings)

**Note:** Over **90%** of the respondents indicated they had access to the internet (See Question 22), yet the internet was 6<sup>th</sup> most popular means of dissemination.

**Question #5:** To the best of your knowledge, is your property located in a designated floodplain?

Over **70%** of the respondents indicated that their property was not located in a designated floodplain.

**Question # 6:** Respondents were asked if they had flood insurance (180 respondents answered this question). The responses were as follows:

**11.8%** said they did have flood insurance.

**71.4%** said they did not have flood insurance.

**Question #6(a):** Respondents were asked for the reason they did not have flood insurance. The responses were as follows:

**26.6%** felt that **they did not need it/property never flooded.**

**34.8%** felt that **they did not need it/property not in the floodplain.**

**8.9%** felt that their **homeowners insurance would cover flooding.**

**5.7%** felt that **it was too expensive**

**6.3%** felt that **it was not worth it.**

**8.9%** felt that **they were not familiar with it or did not know about it.**

**5.7%** listed **other reason for not having flood insurance.**

**Question # 7:** Respondents were asked if they had natural hazard riders on their homeowners/renters insurance (163 respondents answered this question). The responses were as follows:

**32.5%** said they **did** have natural hazard riders.

**66.3%** said they **did not** have natural hazard riders.

**32.5%** said **Other.**

**Question # 7(a):** Respondents were asked what the primary reason they did not have natural hazard riders on their homeowners/renters insurance. The responses were as follows:

- 27.8% said they never considered it.
- 10.2% said it they don't need it/not vulnerable.
- 11.1% said it is too expensive.
- 11.1% said they it is not worth it/deductibles are too high.
- 27.8% said they are not familiar with it/don't know about it.
- 1.9% listed other reasons.

**Question # 8:** Has your property ever been flooded? (186 respondents answered this question)  
The responses were as follows:

- 35.5% said **yes**
- 64.0% said **no**
- 0.5% said **other**

**Question # 8(a):** In what years (or on what dates) did it flood? General dates are as follows:

- 1970s
- 1980
- 1985
- 1991
- 1996
- 1997
- 1998
- 1999 (Hurricane Floyd) **#1 event listed**
- 2000 (October)
- 2003
- 2004
- 2005
- 2006 (January and September)

**Note:** One respondent indicated that flooding occurs every year at 50 Poplar Road. Another respondent indicated that flooding occurs after every storm.

**Question # 8(b):** Where did you get water and how deep did it get? (61 respondents answered this question)

- |                                |                                |
|--------------------------------|--------------------------------|
| 77.0% In basement/crawlspace   | Average depth: ½ - 1 feet deep |
| 6.6% Over first finished floor | Average depth: 1-2 feet deep   |
| 16.4% On land only             | Average depth: 2-3 feet deep   |



**Question # 8(c):** What do you feel was the cause of your flooding? (164 respondents answered this question)

**10.4%** said “Storm sewer backup”

**4.9%** said “Sanitary sewer/septic backup”

**6.1%** said “Standing water next to house”

**8.5%** said “Sump pump failure/power failure”

**21.3%** said “Saturated ground/leaks in basement walls”

**5.5%** said “Overbank flooding from a creek/river” **#1 Creek/River: Pocantico River**

**11.6%** listed other reasons.

*(Examples of other causes include: grading/sloping of land, runoff, overflowing gutters, broken waterline, and collapse of poorly maintained infrastructure (bridges) into rivers)*

**Question # 9:** Did you consider the impact or the possible occurrence of a natural disaster would have on your home before you purchased/moved in to your home (186 respondents answered this question)? The responses were as follows:

**26.3%** said **yes**

**73.7%** said **no**

**Question # 10:** Was the presence of a natural hazard risk zone (i.e. flood zone, urban wild land interface) disclosed to you by a Real Estate Agent, Seller, or landlord before you purchased/moved into to your home (182 respondents answered this question)? The responses were as follows:

**8.8%** said **yes**

**91.2%** said **no**

**Question # 11:** Would the disclosure of this type of information influence your decision to purchase/move into a home (176 respondents answered this question)? The responses were as follows:

**85.2%** said **yes**

**11.9%** said **no**

**2.3%** said **maybe**

**0.6%** said **don't know**

**Question # 12:** Would you be willing to spend money on your current home to retrofit it from the impacts of future possible natural disasters within Briarcliff Manor? (*Examples of retrofitting are: Elevating a flood-prone home, or replacing a combustible roof covering with non-combustible roofing*). (183 respondents answered this question) The responses were as follows:

**22.4%** said **yes**, they would be willing to spend money to retrofit their home.

**27.3%** said **no**, they would not be willing to spend money to retrofit their home.

**50.3%** said **maybe**.

**Question # 13:** How much money would you be willing to spend to better protect your home and family from the impacts of natural disasters (158 respondents answered this question)?

**27.2%** selected \$5,000 and above.

**8.9%** selected \$2,500 to \$4,999

**7.6%** selected \$1,000 to \$2,499

**2.5%** selected \$500 to \$999

**3.8%** selected \$100 to \$499

**0.6%** selected less than \$100

**6.3%** selected "Nothing"

**39.2%** selected "Don't Know"

**3.8%** selected "Other"

*(Respondents selected "Other," because their decision would be made depending on the type of disaster and the nature of the disaster vs. the cost to mitigate)*

**Question 14:** Respondents were asked to choose which incentives would motivate them to spend money to retrofit their home. They could select more than one incentive. The response results were as follows:

**35.8%** selected "Building permit fee waiver"

**64.2%** selected "Insurance premium discount"

**29.9%** selected "Mortgage discount"

**80.2%** selected "Property tax breaks or incentive"

**27.3%** selected "Low interest rate loan"

**21.9%** selected "Grants funding that requires a cost share"

**8.0%** selected "None"

**1.1%** selected "Other"

**Question 15:** If your property were located in a designated "high hazard" area, or had received repetitive damages from a natural hazard event, would you consider a "buyout" or relocation

offered by a public agency (165 respondents answered this question)? The responses were as follows:

**62.4%** said **yes**, they would consider relocation or a buyout.

**33.9%** said **no**, they would not consider relocation or a buyout.

**3.6%** said **don't know**

**Question # 16:** Respondents were asked their age range. The results were as follows:

**0%** were between 18 and 30 years of age

**8.5%** were between 30 and 40 years of age

**27.8%** were between 40 and 50 years of age

**22.5%** were between 50 and 60 years of age

**41.7%** were 60 years of age or older

**Question #17:** Respondents were asked their gender. The results were as follows:

**48.2%** were **male**

**51.8%** were **female**

**Question # 18:** Respondents were asked indicate their highest level of education.

Over **90%** of those who responded to this question indicated that they have received a college or postgraduate degree.

**Question # 19:** Respondents were asked to indicate where in Briarcliff Manor they resided.

Location	% of Respondents
Scarborough Station	1.8
Scarborough Area	19.6
Rosecliff	6.1
Pine Area	3.1
Tree Street and Surrounding Area	17.8
Chilmark	12.3
Briar Park	3.1
Trump Area	15.3
9A Area	20.9

**Question #20:** Respondents were asked how long they had lived in Briarcliff Manor.

Over **40%** of those who responded to this question indicated that they have lived in Briarcliff Manor for 20 or more years. Greater than **15%** has resided within Briarcliff Manor between 10 and 19 years.

**Question #21:** Respondents were asked whether they owned or rented their place of Residence (185 respondents answered this question)? The responses were as follows:

**98.4%** said they **own** their place of residence.

**1.6%** said they **rent** their place of residence.

**Question # 22:** Respondents were asked if they had access to the internet.

Over **90%** of those who responded to this question have internet access.

**GENERAL HOUSEHOLD INFORMATION**

The following information will aid the planning group in determining the hazard mitigation needs of Briarcliff Manor by providing important demographic information that can be used to quantify answers provided in this questionnaire. For example, whether you own a house or are a tenant will help quantify answers given earlier in this questionnaire that will help determine the needs for both renters and homeowners. The answers provided in this section will be treated as confidential and will be used solely for the preparation of this plan and will not be provided to any other group or interest.

16.) Please indicate your age range:

- 18 to 30  30 to 40  40 to 50  50 to 60  60 or over

17.) Gender:

- Male  Female

18.) Please indicate your highest level of education:

- Grade school/no schooling  College Degree
 Some High School  Post Graduate degree
 High School Graduate/GED  Other
 Some College/Trade School

19.) Please indicate where you live in Briarcliff Manor:

- Scarborough Station  Chilmark
 Scarborough Area  Briar Park
 Rosecliff  Trump Area
 Pine Area  9A Area
 Tree Street and Surrounding Area

Property Address: \_\_\_\_\_

20.) How long have you lived in Briarcliff Manor?

- Less than 1 year  1 to 5 years  6 to 9 years
 10 to 19 years  20 years or more

21.) Do you own or rent your place of residence?

- Own  Rent

22.) Do you have access to the Internet or "World Wide Web"?

- Yes  No

23.) Other Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please mail to: Assistant Village Manager, Village of Briarcliff Manor, 1111 Pleasantville Road, Briarcliff Manor, NY 10510

Please complete and return by October 11, 2006

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Village of Briarcliff Manor
1111 Pleasantville Road
Briarcliff Manor, NY 10510



Briarcliff Manor Natural Hazards Preparedness Questionnaire

A community planning committee, along with the support of county, regional and state agencies and stakeholders, has recently been formed to address natural disasters that may occur in Briarcliff Manor and develop strategies to mitigate against losses. In order to identify and plan for future natural disasters, we need assistance from the citizens of Briarcliff Manor.

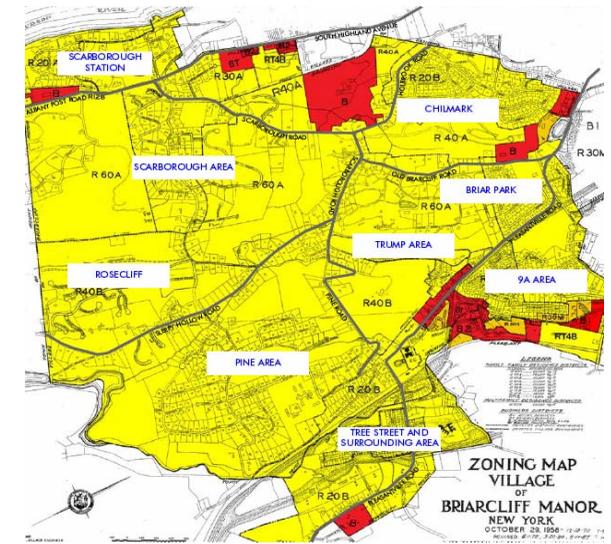
This questionnaire is designed to help us gauge the level of knowledge local citizens already have about natural disaster issues. Our questionnaire also asks for information you may have about areas vulnerable to any type of natural disaster. The information you provide will help us coordinate activities to reduce the risk of injury or property damage in the future.

The Briarcliff Manor planning committee thanks you for taking the time to participate in this information-gathering process.



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**NATURAL HAZARD INFORMATION**

1.) In the past 10 years have you or has someone in your household experienced a natural disaster within the Village of Briarcliff Manor such as: flood, severe storm (high winds, hail, dangerous lightning), severe winter storm, wildfire, or other natural disaster?

- Yes  No

1a.) If yes to question #1, which of the following types of natural hazard events have you or someone in your household experienced? (Please check all that apply) If you answered no to question #1, please move on to question #2.

- Flood  Severe Storm (wind, lightning, hail)  
 Tornado  Severe Winter Storm (heavy snow, blizzard)  
 Ice Storm  Wild Land Fire  
 Landslide  Excessive Temperatures (prolonged heat, cold)  
 Drought  Other (please specify) \_\_\_\_\_

2.) Do you consider yourself prepared for the probable impacts from natural hazard events that may occur within Briarcliff Manor?

- Yes  No

2a.) If yes to question #2, why are you prepared? (Please check all that apply)

(If you answered no to question #2, please move on to question #2.b)

- Emergency preparedness information from a government source  
*(e.g., federal, state, or local emergency management)*  
 Experience. Have experienced one or more natural hazard events.  
 Locally provided news or other media information  
 Schools and other academic institutions  
 Attended meetings that have dealt with disaster preparedness  
 Other (please specify) \_\_\_\_\_

Please rank how prepared you feel you and your household are for the probable impacts of natural hazard events likely to occur within Briarcliff Manor. Rank on a scale of 1 to 5, with 5 representing the most prepared.

- 1  2  3  4  5

**Least Prepared** **Most Prepared**

3.) How concerned are you personally about the following natural hazards impacting Briarcliff Manor. *(Please check the corresponding number for each hazard).*

Natural Hazard	Not Concerned	Somewhat Concerned	Very Concerned	Extremely Concerned
Flood	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Drought	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Tornado	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Sev. Winter Storm	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Ice Storm	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Wildland Fire	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Landslide	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Severe Summer Storm (Wind, Lightning, Hail)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Excess. Temper.	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Other	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4 <input type="checkbox"/> 5
Please Specify	_____			

4.) Information on the impacts of and how to prepare for a natural disaster can be disseminated to the public in various ways. Of the methods described below, which would be most effective in helping you make your home safer and better able to withstand the impact of natural hazard events? (Please check all that apply)

**Printed Media**

- Newspaper  
 Telephone Book  
 Informational Brochures

**Television**

- TV News  
 TV Advertisements

**Other Methods**

- Outdoor Advertisements  
 Internet  
 Chamber of Commerce  
 Fire Department/Rescue  
 Public Awareness timeframe (i.e. Flood awareness week, Winter storm preparedness month)  
 Other (please Specify) \_\_\_\_\_

**Public Forums**

- Public Meetings  
 Workshops  
 Schools

**Radio**

- Radio News  
 Radio Advertisements

Academic Institutions

Public Library

Church

Books

5.) To the best of your knowledge, is your property located in a designated floodplain?

- Yes  No  Not sure

6.) Do you have flood insurance?

- Yes  No *(if yes, please skip to question #7)*

6a.) If you do not have flood insurance, what is the primary reason?

- I don't need it/my property has never flooded.  
 Don't need it/my house is not in the floodplain.  
 My homeowners insurance will cover me.  
 It is too expensive.  
 It is not worth it.  
 Not familiar with it/ don't know about it  
 Other (please specify) \_\_\_\_\_

7.) Do you have any natural hazard riders on your homeowners/ renters insurance (i.e., hurricane, tornado, sewer/basement flooding)?

- Yes  No *(if yes, please skip to question #8)*

7a.) If you do not have special hazard riders, what is the primary reason?

- Never considered it  
 I don't need it/not vulnerable to additional insurance hazards  
 It is too expensive.  
 It is not worth it/deductibles are too high.  
 Not familiar with it/ don't know about it  
 Other (please specify) \_\_\_\_\_

8.) Has your building or property ever been flooded? ( ) Yes ( ) No

If "no", please proceed to question 9.

8a.) In what years (or on what dates) did it flood? \_\_\_\_\_

8b.) Where did you get water, and how deep did it get?

- ( ) In basement/crawlspace \_\_\_\_\_ feet deep  
 ( ) Over first finished floor \_\_\_\_\_ feet deep  
 ( ) On land only \_\_\_\_\_ feet deep

8c.) What do you feel was the cause of your flooding? Check all that apply.

- ( ) Storm sewer backup ( ) Sanitary sewer/septic backup  
 ( ) Standing water next to house ( ) Sump pump failure / power failure  
 ( ) Saturated ground / leaks in basement walls  
 ( ) Overbank flooding from \_\_\_\_\_ Creek/River  
 ( ) Other: \_\_\_\_\_

**NATURAL HAZARD MITIGATION**

The term mitigation means to make something become less harsh or severe, to alleviate. Mitigation activities are those types of actions you can take to protect your home and property from natural hazard events such as floods, severe storms and wildfires. The purpose of this plan is to create mitigation strategies for multiple hazards that will aid Briarcliff Manor and its constituency in protecting life and property from the impacts of future natural disasters. The following section will attempt to determine the level of knowledge Briarcliff Manor citizens have about their options to protect their property from natural disasters.

9.) Did you consider the impact the possible occurrence of a natural disaster would have on your home before you purchased/moved in to your home?  Yes  No

10.) Was the presence of a natural hazard risk zone (i.e. flood zone, urban wild land interface) disclosed to you by a Real Estate Agent, Seller, or landlord before you purchased/moved into to your home?  Yes  No

11.) Would the disclosure of this type of information influence your decision to purchase/move into a home?  Yes  No

12.) Would you be willing to spend money on your current home to retrofit it from the impacts of future possible natural disasters within Briarcliff Manor? *(Examples of retrofitting are: Elevating a flood prone home, or replacing a combustible roof covering with non-combustible roofing)*  Yes  No  Maybe *(If you answered no, please skip to question #13)*

13.) How much money would you be willing to spend to better protect your home and family from the impacts of natural disasters?

- \$5,000 or above  Less than \$100  
 \$2,500 to \$4,999  Nothing  
 \$1,000 to \$2,499  Don't know  
 \$500 to \$999  Other (please specify)  
 \$100 to \$499

14.) Which of the following **incentives** would help to encourage you to spend money to retrofit your home from the possible impacts of natural disasters? *(Please check all that apply)*

- Building permit fee waiver  Insurance premium discount  
 Mortgage discount  Property tax break or incentive  
 Low interest rate loan  Grant funding that requires a "cost-share"  
 None  Other (please specify) \_\_\_\_\_

15.) If your property were located in a designated "high hazard" area, or had received repetitive damages from a natural hazard event, would you consider a "buyout" or relocation offered by a public agency?

- Yes  No