

1 **Q. Tab 1.5 Public Safety Around Dams**

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3 **How did Newfoundland Power calculate the number of times the public were within**  
4 **the hazardous area (incident likelihood rating) and the most likely consequence (the**  
5 **incidence consequence rating) for each hydro-electric site?**

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7 A. Newfoundland Power's estimates of the number of times members of the public were  
8 within the hazardous areas of the hydro plants in question are based on the observations  
9 of employees, including the power plant operators for each of the facilities. On-site  
10 evidence such as pedestrian trails, ATV tracks, vandalism and campfire remains were  
11 also considered. The Canadian Dam Association's *Guidelines for Public Safety Around*  
12 *Dams, 2011* (the "Guidelines") specifically acknowledge that the availability and  
13 accuracy of quantitative information may be limited and subjective judgement based on  
14 knowledge of the site may be required for the determination of incident likelihood.

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16 The relationship between the presence of members of the public within the hazardous  
17 area and the incident likelihood rating is specified in Table 1 of the Guidelines.

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19 The most likely outcome of direct exposure to the hazard (i.e. most likely injury) was  
20 determined by a panel of Newfoundland Power personnel, including engineers,  
21 supervisors and power plant operators with knowledge of the physical characteristics of  
22 each facility.

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24 The relationship between the most likely outcome and the incident consequence rating is  
25 specified in Table 2 of the Guidelines.