ANNEXES

ANNEX A

Tables a-e. Risk characterisation of adverse welfare effects of seals during killing and skinning: intensity, duration, likelihood, data source and data certainty evaluated for each hazard. The number in bracket after each qualitative score denotes the number of experts scoring for that score or range of scores. No numbers are given when the experts agreed on the scoring.

Table a – Netting.

Hazard outcome number (see Table 4 of the Scientific Opinion for a detailed description of hazards and possible outcomes)	**Intensity**	**Duration**	**Magnitude**	**Likelihood that the seal is exposed to the hazard given the seal is hunted by netting. For each of four combinations of weather and habitat conditions**[1]				**Data source**
	of the adverse welfare effect			**GW/GH**	**GW/BH**	**BW/GH**	**BW/BH**	
1	**Mo (1) Se (6)**	**2-4**	**Mo-Ma**	**VL**	**VL**	**VL**	**VL**	**2-3**
2	**Se**	**2-4**	**Mo-Ma**	**VU**	**VU**	**VU**	**VU**	**3**
3	**Ne (3) Mi (4)**	**1-4**	**Ne-Mo**	**U**	**U**	**U**	**U**	**3**
4	**Mi-Mo**	**4**	**Mo-Ma**	**VU**	**VU**	**VU**	**VU**	**3**
5	**Se**	**4**	**Ma**	**VU**	**VU**	**VU**	**VU**	**3**

[1] Weather and habitat conditions
GW/GH: Good weather and good habitat; GW/BH: Good weather and bad habitat; BW/GH: bad weather and good habitat; BW/BH: bad weather and bad habitat. Good weather refers e.g. to fine and ideal weather and bad weather refers e.g. to poor visibility, heavy swells and gusty winds.
Good habitat refers e.g. to dry land and solid ice and bad habitat refers e.g. to loose pack ice and open water.

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Table b – Hakapik.

Hazard outcome number (see Table 4 of the Scientific Opinion for a detailed description of hazards and possible outcomes)	**Intensity**	**Duration**	**Magnitude**	**Likelihood that the seal is exposed to the hazard given the seal is hunted using a hakapik. For each of four combinations of weather and habitat conditions**				**Data source**
	of the adverse welfare effect			**GW/GH**	**GW/BH**	**BW/GH**	**BW/BH**	
6	**Ne (1) Ne-Mi (6)**	**1**	**Ne-Mi**	**L-U (1) L (2) VL (4)**	**U (1) L (6)**	**L-U (1) L (3) VL (3)**	**U (4) L (3)**	**2**
7	**Mo-Se**	**1-4**	**Mi-Ma**	**L-U (1) U (2) VU (4)**	**U (6) L (1)**	**L-U (1) U (3) VU (3)**	**L (4) U (3)**	**2**
8	**Ne (1) Ne-Mi (6)**	**1**	**Ne-Mi**	**VL**	**L-VL**	**VL**	**L**	**2**
9	**Mo-Se**	**1-4**	**Mi-Ma**	**VU**	**U-VU**	**VU**	**U**	**2**

Table c – Club.

Hazard outcome number (see Table 4 of the Scientific Opinion for a detailed description of hazards and possible outcomes)	**Intensity**	**Duration**	**Magnitude**	**Likelihood that the seal is exposed to the hazard given the seal is hunted using a club[2]. For each of four combinations of weather and habitat conditions**				**Data source**
	of the adverse welfare effect			**GW/GH**	**GW/BH**	**BW/GH**	**BW/BH**	
6	**Ne-Se**	**1-2**	**Ne-Mo**	**L-U (1) L (2) VL (4)**	**U (1) L (6)**	**U-L) L (3) VL (3)**	**U (3) L (4)**	**3**
7	**Mo-Se**	**1-4**	**Mi-Ma**	**L-U (1) U (2) VU (4)**	**U (6) L (1)**	**L-U (1) U (3) VU (3)**	**L (3) U (4)**	**3**
8	**Ne-Se**	**1-2**	**Ne-Mo**	**VL**	**L-VL**	**VL**	**L (5) VL (2)**	**3**
9	**Mo-Se**	**1-4**	**Mi-Ma**	**VU**	**U-VU**	**VU**	**U (5) VU (2)**	**3**

[2] Club used primarily in Canada and Namibia.

Table d – Firearms.

Hazard outcome number (see Table 4 of the Scientific Opinion for a detailed description of hazards and possible outcomes)	**Intensity**	**Duration**	**Magnitude**	**Likelihood that the seal is exposed to the hazard given the seal is hunted using firearms[3] For each of four combinations of weather and habitat conditions**				**Data source**
	of the adverse welfare effect			**GW/GH**	**GW/BH**	**BW/GH**	**BW/BH**	
10	**Ne**	**1**	**Ne**	**L (2) VL (5)**	**L (2) VL (5)**	**L**	**L**	**2**
11	**Mo-Se**	**2-4**	**Mo-Ma**	**U(2) VU (5)**	**U (2) VU (5)**	**U**	**U**	**2**
12	**Ne**	**1**	**Ne**	**L**	**L**	**L**	**L(3) U-L(4)**	**2**
13	**Mo-Se**	**2-4**	**Mo-Ma**	**U**	**U**	**U**	**U(3) U-L(4)**	**2**

[3] Refers to all seal species.

Table e. Common for hakapik, club and firearms.

Hazard outcome number (see Table 4 of the Scientific Opinion for a detailed description of hazards and possible outcomes)	**Intensity**	**Duration**	**Magnitude**	**Likelihood that the seal is exposed to the hazard given the seal is hunted using physical methods or firearm For each of four combinations of weather and habitat conditions**				**Data source**
	of the adverse welfare effect			**GW/GH**	**GW/BH**	**BW/GH**	**BW/BH**	
14	**Ne**	**1-4**	**Ne-Mo**	**U-VU**	**U-VU**	**U-VU**	**VU**	**2**
15	**Ne-Se**	**1-4**	**Ne-Ma**	**L-VL**	**L-VL**	**L-VL**	**L-VL**	**2**
16	**Ne**	**2**	**Mi**	**U-VU**	**U-VU**	**U-VU**	**U-VU**	**2**
17	**Ne-Se**	**1-4**	**Ne-Ma**	**L-VL**	**L-VL**	**L-VL**	**L-VL**	**2**
18	**Se**	**2-3**	**Mo-Ma**	**VU (6) U (1)**	**VU (6) U (1)**	**VU (6) U (1)**	**VU (6) U (1)**	**2-3**
19	**Ne**	**1**	**Ne**	**VL (6) L (1)**	**L**	**VL (6) L (1)**	**L**	**2-3**
20	**Mo-Se(2) Se(5)**	**2-4**	**Mo-Ma**	**VU (6) U (1)**	**U**	**VU (6) U(1)**	**U**	**2-3**
21	**Ne**	**1**	**Ne**	**VL**	**VL**	**VL**	**VL**	**2-3**
22	**Se**	**2-3**	**Mo-Ma**	**VU**	**VU**	**VU**	**VU**	**2-3**
23	**Ne**	**1**	**Ne**	**VU**	**VU-U**	**VU**	**VU-U**	**3**
24	**Mi**	**4**	**Mo**	**VU**	**VU-U**	**VU**	**VU-U**	**3**
25	**Mo-Se**	**4**	**Ma**	**VU**	**VU-U**	**VU**	**VU-U**	**3**

Figures a – **e.** Magnitude of adverse welfare effects and likelihood that the seal is exposed to the hazard given a specific hunting method (see Table 4 of the Scientific Opinion for hazard details). For netting, the likelihood of seals exposed to the specific hazard outcome is the same for the four weather and habitat combinations. For each hazard outcome, lower indicates the lowest likelihood combined with smallest magnitude and upper indicates the largest likelihood combined with largest magnitude.

Figure a. Netting

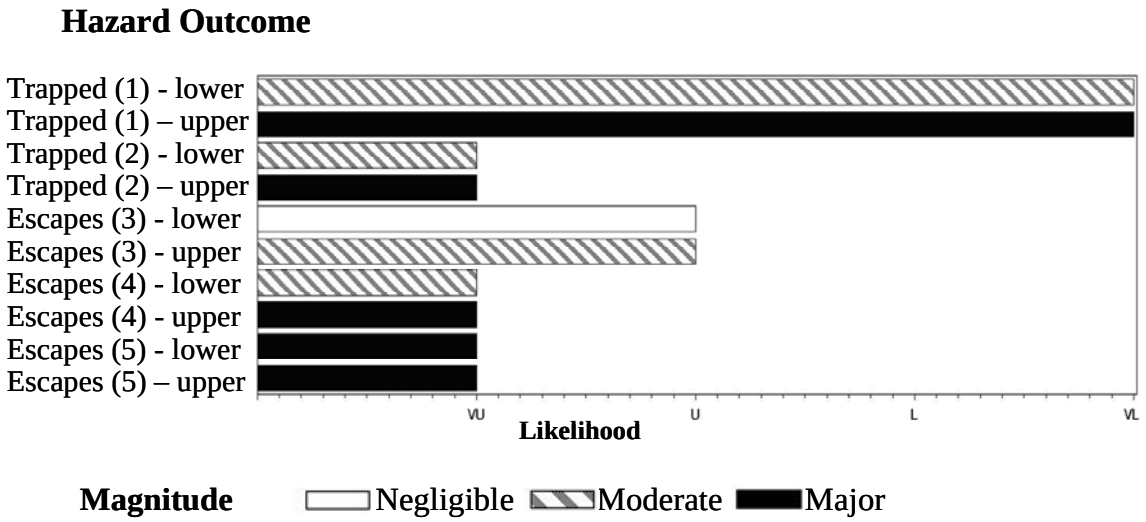

Figure b. Hakapik

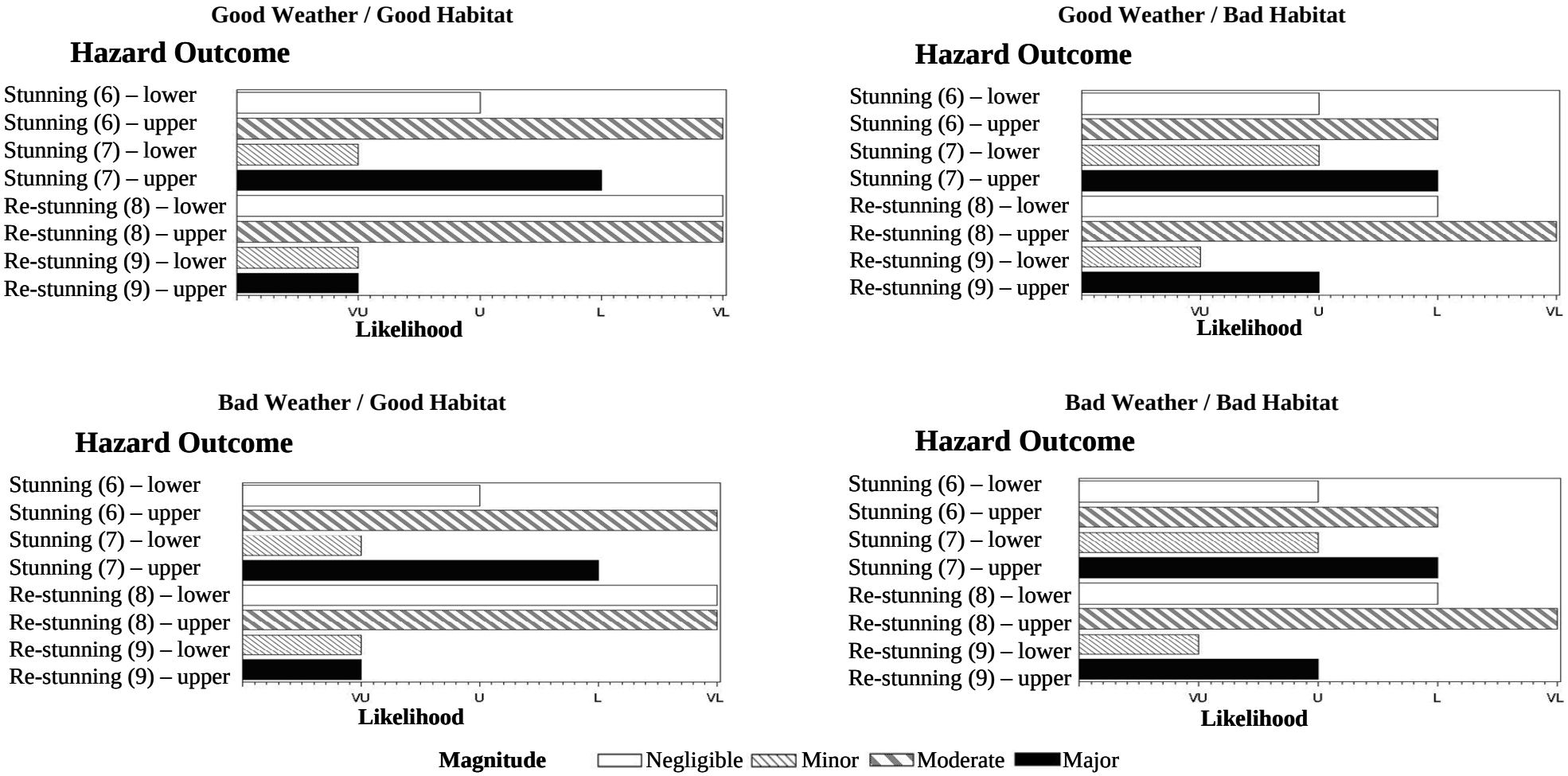

Figure c. Club

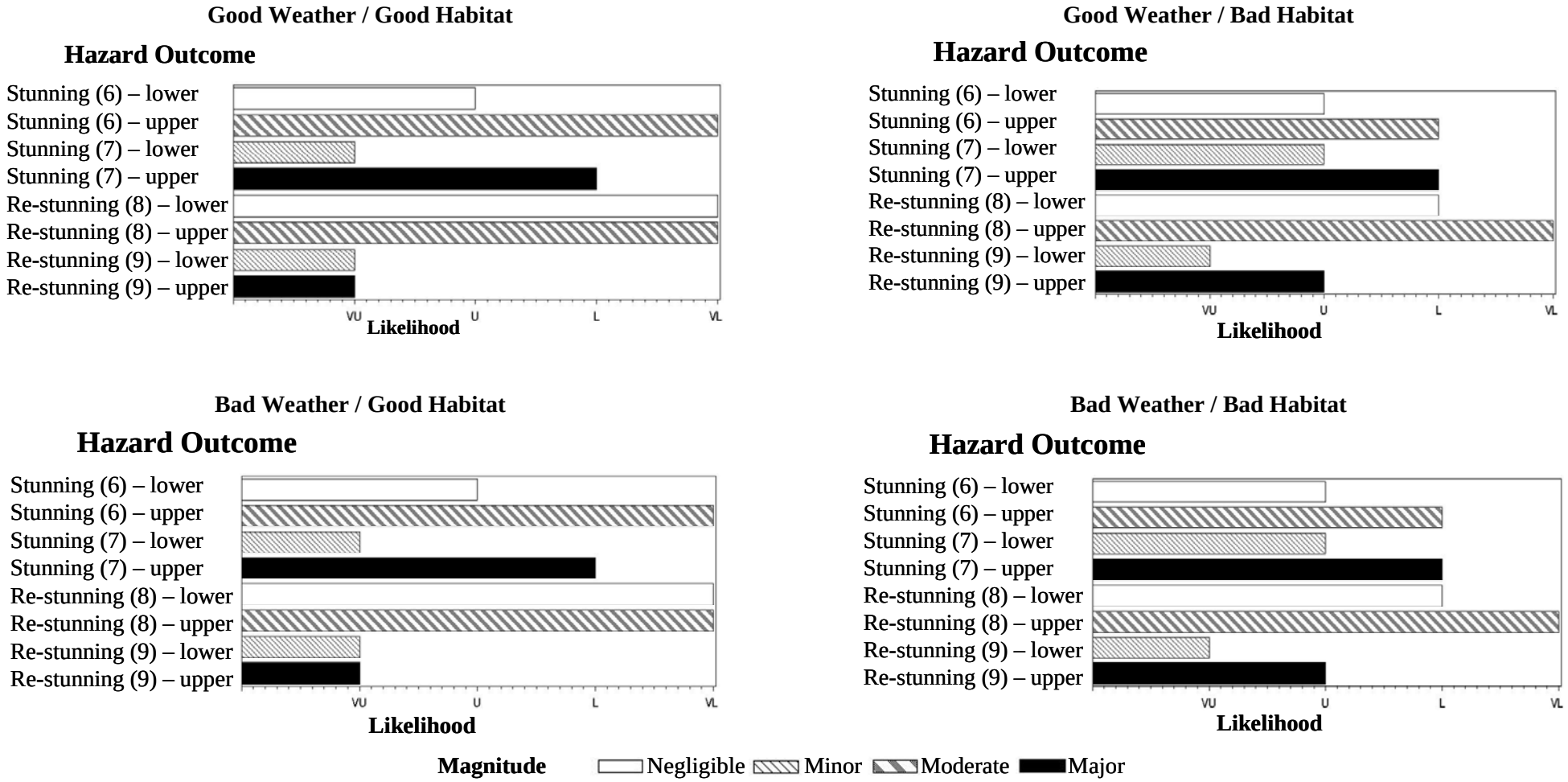

Figure d. Firearms

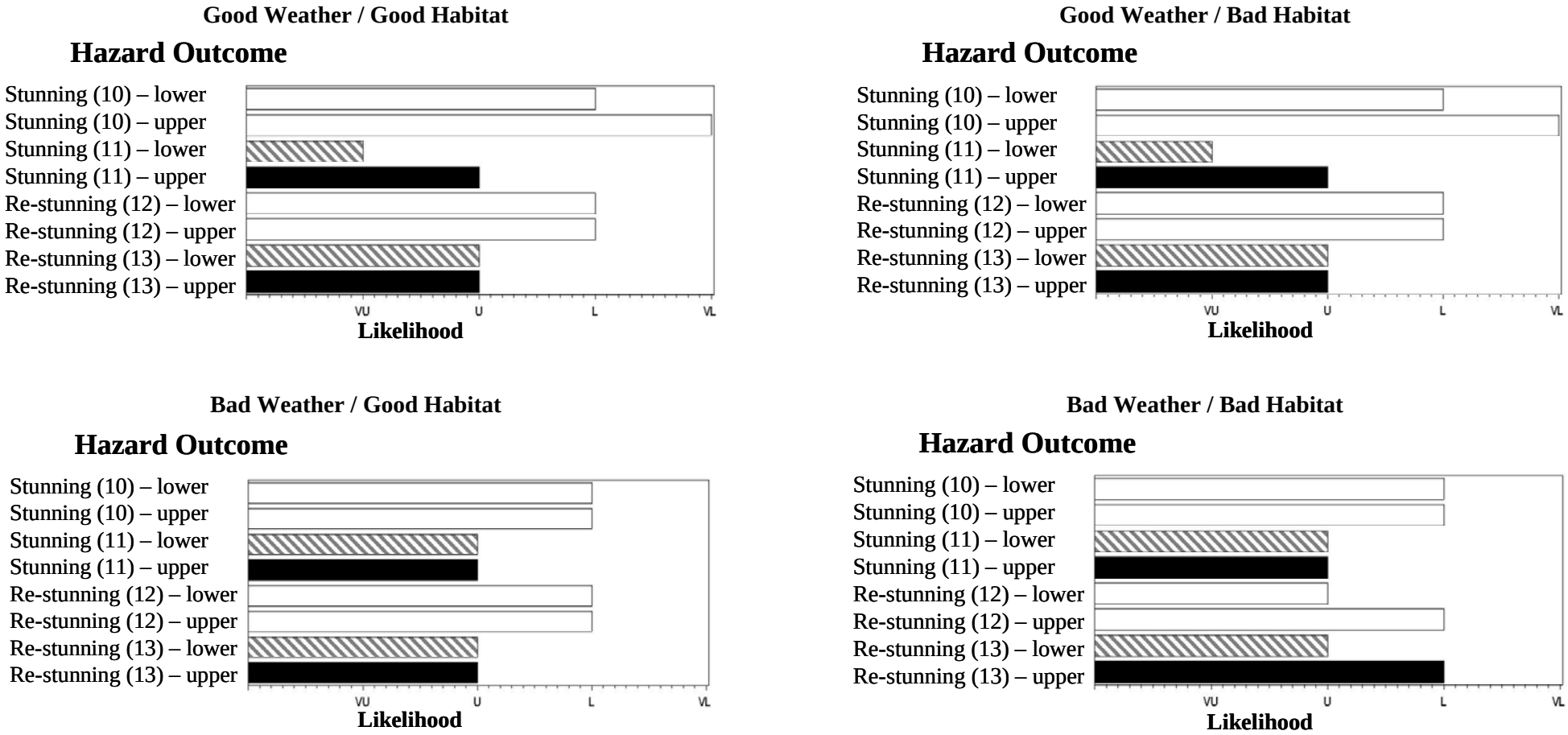
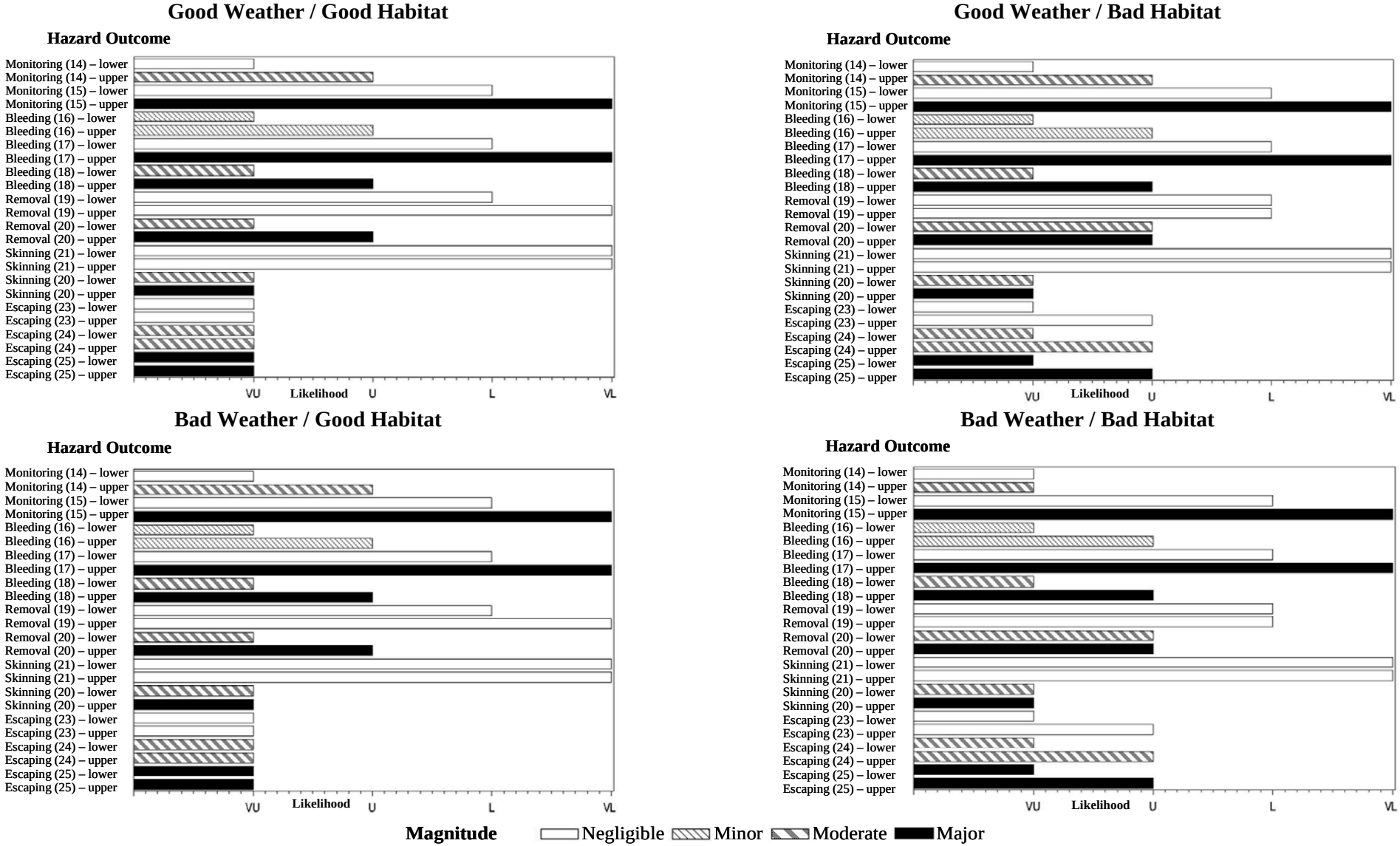
Figure e. Common for Hakapik, club and firearms