Appendix 6: Choice Experiment Design

Description of variables:

x1 = North Flow & Forest: 3 levels. Current Condition is level 3, Expected Future is level 1

x2 = North Full Body Contact: 2 levels. Current Condition is level 1, or safe wading only

x3 = South Flow & Forest: 3 levels. Current Condition is level 3, Expected Future is level 1

x4 = South Full Body Contact: 2 levels. Current Condition is level 1, or safe wading only

x5 = Cost to household per year, 6 levels. Cost options range from zero (Expected Future: level 1), $10, $20, $30, $40, and $60 (level 6)

Nine survey blocks are proposed, of four choice questions (sets) each. The third alternative is always the Expected Future, no cost alternative.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Block** | **Set** | **Alt** | **x1** | **x2** | **x3** | **x4** | **x5** |
| **1** | **1** | **1** | 3 | 1 | 2 | 2 | 3 |
| **2** | 3 | 1 | 2 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **1** | **2** | **1** | 2 | 2 | 1 | 2 | 5 |
| **2** | 1 | 1 | 3 | 2 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **1** | **3** | **1** | 3 | 1 | 2 | 1 | 2 |
| **2** | 2 | 2 | 3 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **1** | **4** | **1** | 3 | 1 | 3 | 2 | 5 |
| **2** | 3 | 2 | 1 | 1 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **2** | **1** | **1** | 3 | 2 | 3 | 2 | 6 |
| **2** | 2 | 2 | 1 | 1 | 5 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **2** | **2** | **1** | 3 | 1 | 2 | 1 | 2 |
| **2** | 3 | 1 | 2 | 2 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **2** | **3** | **1** | 1 | 2 | 3 | 2 | 4 |
| **2** | 1 | 2 | 3 | 1 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **2** | **4** | **1** | 1 | 1 | 1 | 2 | 2 |
| **2** | 2 | 1 | 2 | 2 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **3** | **1** | **1** | 3 | 1 | 3 | 2 | 5 |
| **2** | 3 | 2 | 1 | 1 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **3** | **2** | **1** | 3 | 1 | 2 | 2 | 2 |
| **2** | 2 | 2 | 3 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **3** | **3** | **1** | 1 | 2 | 1 | 2 | 2 |
| **2** | 2 | 2 | 2 | 2 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **3** | **4** | **1** | 1 | 2 | 3 | 1 | 3 |
| **2** | 1 | 1 | 1 | 2 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **4** | **1** | **1** | 3 | 1 | 2 | 1 | 2 |
| **2** | 2 | 2 | 3 | 1 | 5 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **4** | **2** | **1** | 2 | 2 | 1 | 1 | 2 |
| **2** | 2 | 2 | 1 | 2 | 5 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **4** | **3** | **1** | 1 | 1 | 1 | 2 | 2 |
| **2** | 1 | 2 | 3 | 2 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **4** | **4** | **1** | 2 | 2 | 2 | 2 | 6 |
| **2** | 3 | 1 | 2 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **5** | **1** | **1** | 1 | 1 | 1 | 2 | 2 |
| **2** | 1 | 2 | 3 | 1 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **5** | **2** | **1** | 2 | 2 | 2 | 2 | 5 |
| **2** | 2 | 1 | 2 | 2 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **5** | **3** | **1** | 3 | 2 | 3 | 2 | 6 |
| **2** | 1 | 2 | 1 | 2 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **5** | **4** | **1** | 2 | 2 | 1 | 1 | 4 |
| **2** | 3 | 2 | 3 | 2 | 6 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **6** | **1** | **1** | 2 | 2 | 1 | 1 | 4 |
| **2** | 3 | 2 | 3 | 2 | 6 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **6** | **2** | **1** | 2 | 1 | 2 | 2 | 2 |
| **2** | 3 | 2 | 1 | 1 | 5 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **6** | **3** | **1** | 3 | 2 | 3 | 2 | 6 |
| **2** | 2 | 1 | 2 | 2 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **6** | **4** | **1** | 3 | 1 | 2 | 2 | 3 |
| **2** | 2 | 2 | 3 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **7** | **1** | **1** | 3 | 1 | 1 | 1 | 3 |
| **2** | 2 | 2 | 2 | 2 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **7** | **2** | **1** | 1 | 2 | 3 | 2 | 3 |
| **2** | 2 | 2 | 3 | 1 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **7** | **3** | **1** | 2 | 1 | 2 | 2 | 4 |
| **2** | 1 | 2 | 3 | 1 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **7** | **4** | **1** | 3 | 2 | 3 | 2 | 5 |
| **2** | 3 | 1 | 1 | 1 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **8** | **1** | **1** | 1 | 1 | 3 | 1 | 4 |
| **2** | 3 | 2 | 3 | 2 | 6 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **8** | **2** | **1** | 3 | 2 | 3 | 2 | 6 |
| **2** | 3 | 1 | 1 | 1 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **8** | **3** | **1** | 2 | 2 | 1 | 2 | 5 |
| **2** | 1 | 1 | 3 | 2 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **8** | **4** | **1** | 2 | 2 | 2 | 2 | 3 |
| **2** | 1 | 2 | 1 | 2 | 2 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **9** | **1** | **1** | 2 | 2 | 2 | 2 | 4 |
| **2** | 3 | 2 | 3 | 2 | 5 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **9** | **2** | **1** | 3 | 1 | 3 | 2 | 4 |
| **2** | 2 | 1 | 2 | 2 | 3 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **9** | **3** | **1** | 2 | 2 | 1 | 1 | 3 |
| **2** | 1 | 1 | 3 | 1 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |
| **9** | **4** | **1** | 1 | 2 | 3 | 2 | 3 |
| **2** | 3 | 2 | 1 | 1 | 4 |
| **3** | 1 | 1 | 1 | 1 | 1 |