FLOE CHART

- Is the ice on the land, or on a body of water?
  - Water
    - Did the ice form from sea/lake water freezing, or is it from a larger piece of land ice?
      - Water freezing
        - Is the ice frozen to the land, or floating free?
          - Frozen to the land
            - **Land-fast ice**
          - Floating free
            - Is the ice in large formations, or in smaller pieces?
              - Small pieces
                - Are the pieces a few inches or feet wide, or are they smaller, forming a slush?
                  - Pieces
                    - **Pancake ice**
                  - Slush
                    - **Frazil ice or grease ice**
              - Large formations
                - Is the ice transparent with few air bubbles?
                  - Yes
                    - **Black ice**
                  - No
                    - Is the formation large and solid enough to support people or animals?
                      - Yes
                        - **Drift ice** Is the ice a single large piece, or smaller pieces packed together?
                          - Packed together
                            - **Pack ice**
                          - Single piece
                            - Is the piece greater than 6 miles in its widest dimension?
                              - Yes
                                - **Ice field**
                              - No
                                - **ICE FLOE**
                      - No
                        - **Shelf ice**
      - From land ice
        - Is the ice a large platform flowing out from a glacier, or is it a piece of ice that has broken off from a glacier or ice shelf?
          - Large platform
            - **Ice shelf**
          - Broken off
            - **Iceberg**
    - Land
      - Is the ice in snowflakes, or larger solid pieces?
        - Solid pieces
          - Is the ice a long-lived feature, or a more temporary occurrence?
            - Long-lived
              - **Glacier** Is the ice constrained by the shape of the land?
                - Yes
                  - Is the ice held in a bowl-shaped depression in a mountain?
                    - Yes
                      - **Cirque glacier**
                    - No
                      - Is the ice in a channel, flowing out from a larger glacier?
                        - Yes
                          - Is the channel constrained by a valley, or just by exposed bedrock?
                            - Valley
                              - **Valley glacier**
                            - Bedrock
                              - **Outlet glacier**
                        - No
                          - **Icefield**
                - No
                  - Does the ice cover an area greater than 50,000 square kilometres?
                    - Yes
                      - **Ice sheet**
                    - No
                      - **Ice cap**
            - Temporary
              - Did the ice fall from the sky?
                - Yes
                  - Is the ice like frozen raindrops, or in larger pieces?
                    - Frozen raindrops
                      - **Sleet**
                    - Larger pieces
                      - **Hail**
                - No
                  - Was the ice formed by water dripping off an object?
                    - Yes
                      - **Icicle**
                    - No
                      - Was the ice formed by water falling onto an object?
                        - Yes
                          - **Glaze ice**
                        - No
                          - Was the ice formed from ground water or from water vapour in the air?
                            - Water vapour
                              - Was the ice formed from a heavy mist or fog?
                                - Yes
                                  - **Rime**
                                - No
                                  - Is the ice in small spikes, formed by a cold wind?
                                    - Yes
                                      - **Advection frost**
                                    - No
                                      - Are there white ice crystals, or transparent formations of ice?
                                        - White ice crystals
                                          - **Radiation frost**
                                        - Transparent formations
                                          - **Clear ice**
                            - Ground water
                              - Is the ice in small pieces, or a larger layered structure?
                                - Large structure
                                  - **Aufeis**
                                - Small pieces
                                  - **Needle ice**
        - Snowflakes
          - **Snow** Is the snow loose, or somewhat compacted?
            - Loose
              - **Powder**
            - Compacted
              - Has the snow been lying for over a year?
                - Yes
                  - **Firn**
                - No
                  - **Packed powder**