

translation services for the other interviews. The interviews were recorded using digital audio recorders, and participants were assigned a personal identification number (PIN) to protect their anonymity.

The Project Lead and PACTeam Canada coordinated with the teacher at the Jean Marie River School for a Ryan Brown to give a presentation about climate change to the students. PACTeam also provided educational materials about climate change and the environment, generously donated by Enviro Kids. The students conducted the experiment mentioned above that demonstrated how the accumulation of greenhouse gases due to pollution is creating climate change in form of global warming. The students were provided the instructions and materials to conduct the experiment and record the results. Finally, the assignment developed by PACTeam was given to the teacher to have the students complete and consisted of each student answering questions about their own observations of weather, and then to ask older family or community members about their memories of the weather in the past, in order for the student to better understand how long term weather patterns (a.k.a. climate) change over time.

The answers to these questions are not being included in the results of this project; the questions are for educational purposes only, with the purpose of engaging youth about the significance of climate change and its impacts at the community level.

### **3.5. Translation and Transcription of Interviews**

Margaret Ireland translated and transcribed the three interviews conducted in Slavey, and transcribed another interview completed in English. PACTeam Canada transcribed the other three interviews done in English.

### **3.6. Thematic Analysis of Interview Results and Vulnerability Assessment**

The thematic analysis of the findings from the interviews and the resultant vulnerability assessment of JMR to climate change identified six themes to categorize observations and related impacts of climate change shared by participants during the interviews, and six areas where JMR is particularly vulnerable to climate change. The observations and impacts associated directly and indirectly with climate change for each theme are summarized in the Section 4. The findings of the vulnerability assessment are listed in Section 5. Preliminary findings from the interviews were also presented at Health Canada's Environmental Health Research Division's *Climate Change and Health Pan Arctic Results Workshop* held in Ottawa on February 8-11, 2011.

### **3.7. Climate Change Focus Group Session**

Posters for each theme identified in the thematic analysis were created showing the observations and related impacts for each of these themes. In order to verify the results from the interviews, clarify any potential misinterpretations of the knowledge shared by interviewees, and to identify any gaps a focus group was organized in the community and was conducted on March 8-9, 2011 at the JMR Administration Office. Each poster has a matrix and participants were asked to prioritize the importance of health related climate change impacts based on four criteria; vulnerability, magnitude, duration, and ability to adapt. Results of the focus groups are described in Section 4. Participants included members of the Working Group, interviewees, Elders, and other interested community members for a total of eight participants.

A presentation was also given at the school to follow up with the students about the climate change activity left with them in September of 2010. Students discussed how the weather is changing and could change in JMR, and how this could affect the community.