Inhabiting the Red Planet

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analysis of group dynamics

cognitive performance

conditions

satisfaction

Island, which researches the following areas of study:

countermeasures to stress and isolation

sleep disruption under the Arctic Martian Sol

analysis of environment habitability

food choice, preparation, and overall



Devon Island

Introduction

- Uninhabited, isolated island in the Nunavut territory, in the Canadian . High Arctic at a Latitude: 75° N Longitude: -88 W
- Desert environmental conditions similar to Mars •
- This harsh climate and freezing temperatures of -19 F mimic the . environmental conditions on Mars
- "Arctic day and night cycle and restricted communications • capabilities offer fitting analogs for the challenges of a long-duration space flights (Haughton Mars Project (HMP))."
- Allows for realistic mission goals to be tested .
- Nicknamed "Mars on Farth"





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Greenhouse on **Devon Island** Monitored Remotely



Conclusion

One day the feasibility of these tests will come to fruition once we land on Mars. Until then Devon Island will continue to prepare Martian explorers.

References

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- Perez, Jason. "Haughton Mars Project (HMP)." NASA, NASA, 12 May 2016, www.nasa.gov/analogs/hmp.



communications

The Haughton Mars Project is part of a research facility, on Devon

equipment testing vehicular and extra-vehicular operations develop new technologies, strategies, and operational protocols to support the future exploration of the moon. Mars. and other planets



Slippery Rock