

The 8th International Ice Drill Symposium



Contribution ID: 51

Type: **Poster**

IDP Hot Water Drills

Monday 30 September 2019 17:12 (4 minutes)

The U.S. Ice Drilling Program (IDP) has developed several hot water drills to support U.S. National Science Foundation (NSF) funded research projects. Recent upgrades to the IDP Small Hot Water Drill leverage a design proven in the field for over two decades. The Sediment Laden Lake Ice Drill (SLLID) is designed to be portable over lake ice by just two people and capable of creating access holes through up to 6 meters of silty ice. The IDP has also supported the development of the Hotsy-add-on drill and has created a detailed conceptual design of a Scalable Hot Water (SchWD) Drill. This poster presents details of both the design of the drills and their performance in the field.

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Session Classification: Session 2