



SILL DYNAMICS IN THE CENTRAL CANADIAN ARCTIC ARCHIPELAGO

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Rationale

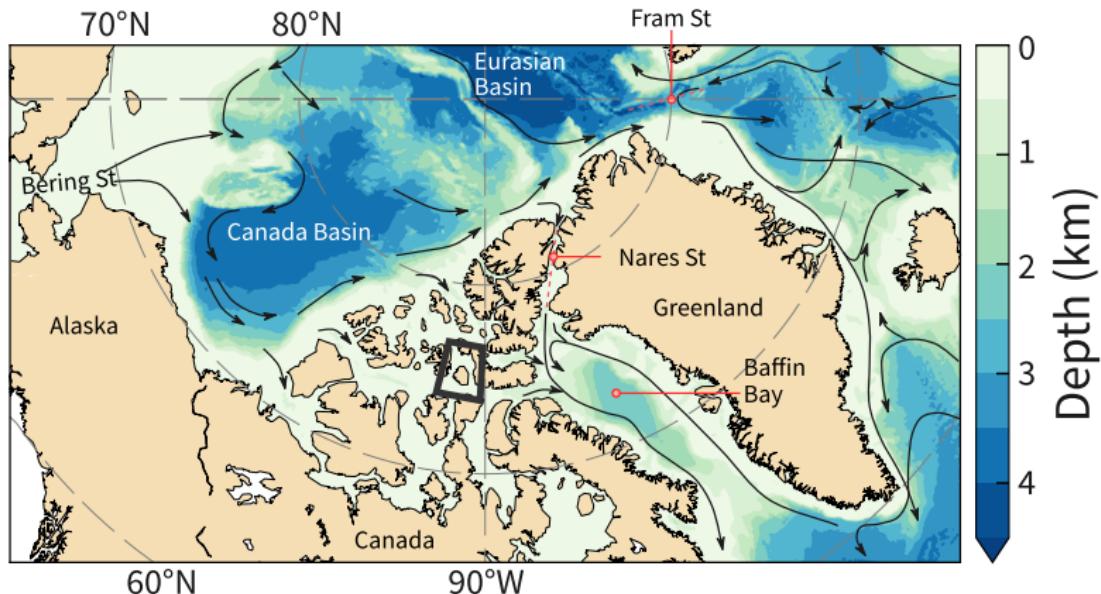
Method

The MVP
Survey summary

Results

T-S transition
Northern influence
Energy budget
Categorising flow

Open questions

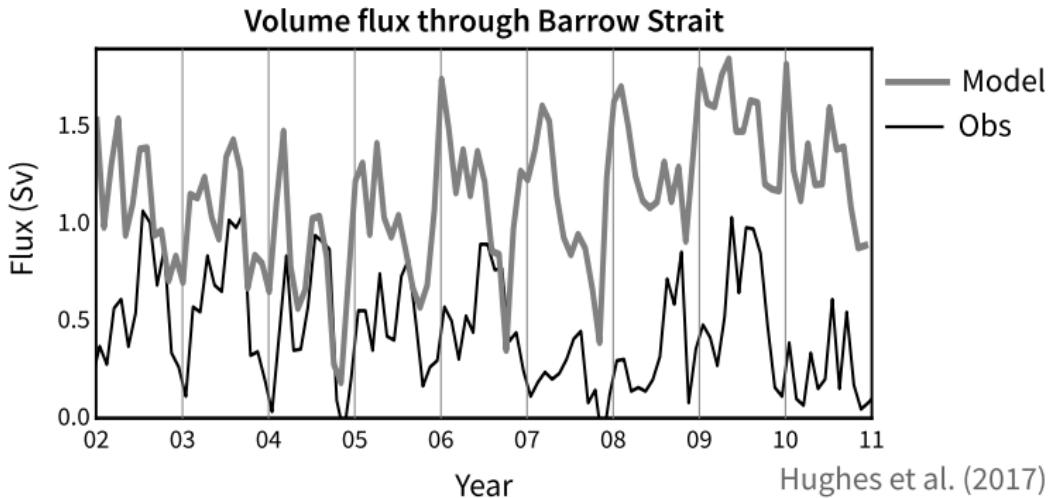


Large-scale flow estimates disagree

Rationale
Method
The MVP
Survey summary

Results
T-S transition
Northern influence
Energy budget
Categorising flow

Open questions

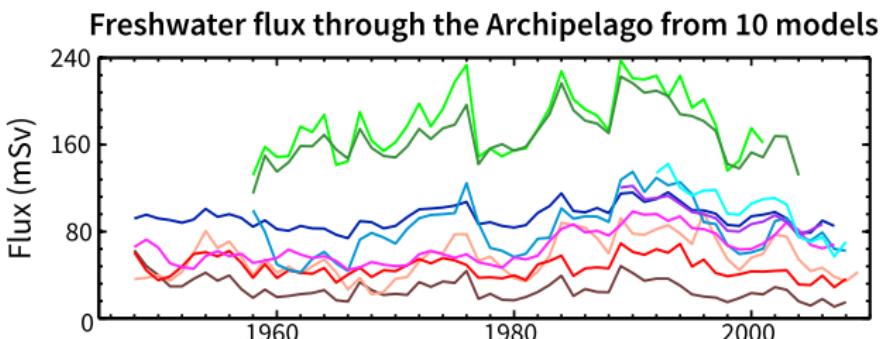
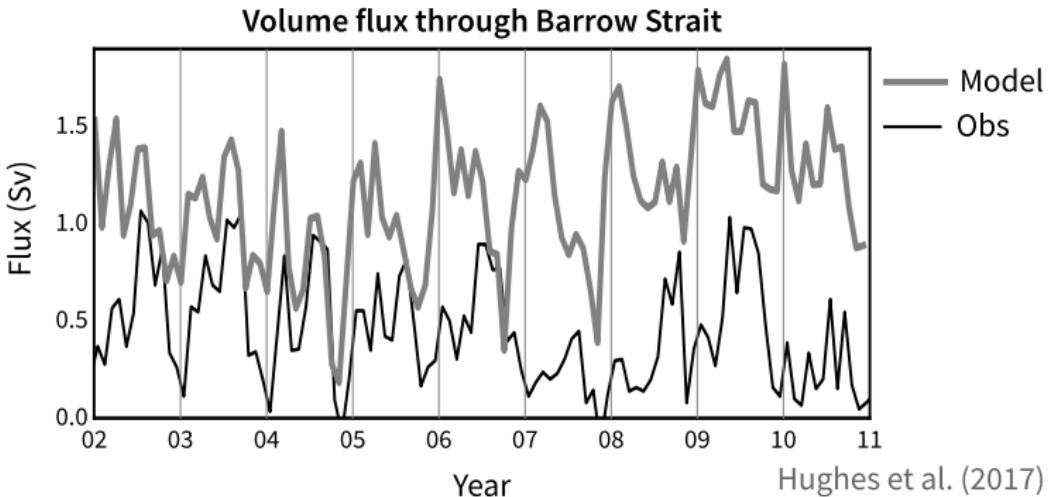


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Rationale
Method
The MVP
Survey summary

Results
T-S transition
Northern influence
Energy budget
Categorising flow

Open questions



Ice conditions indicate strong mixing

Rationale

Method

The MVP

Survey summary

Results

T-S transition

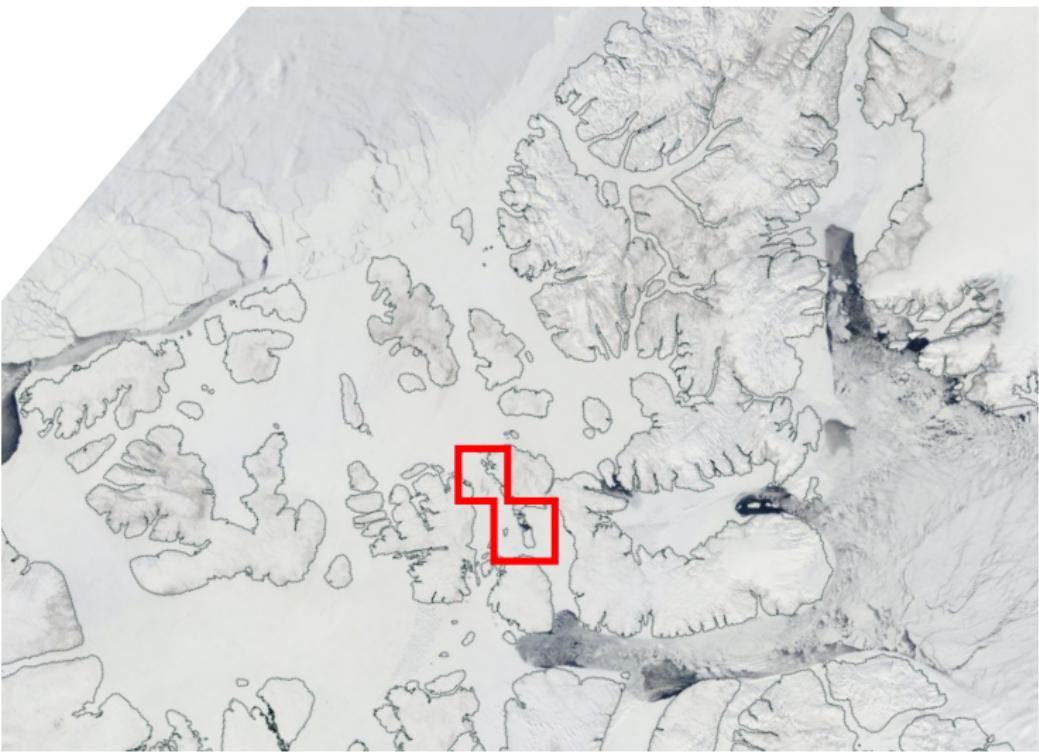
Northern influence

Energy budget

Categorising flow

Open
questions

May 3



Ice conditions indicate strong mixing

Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open

questions

June 3



Effect of mixing in channels

Rationale

Method

The MVP

Survey summary

Results

T-S transition

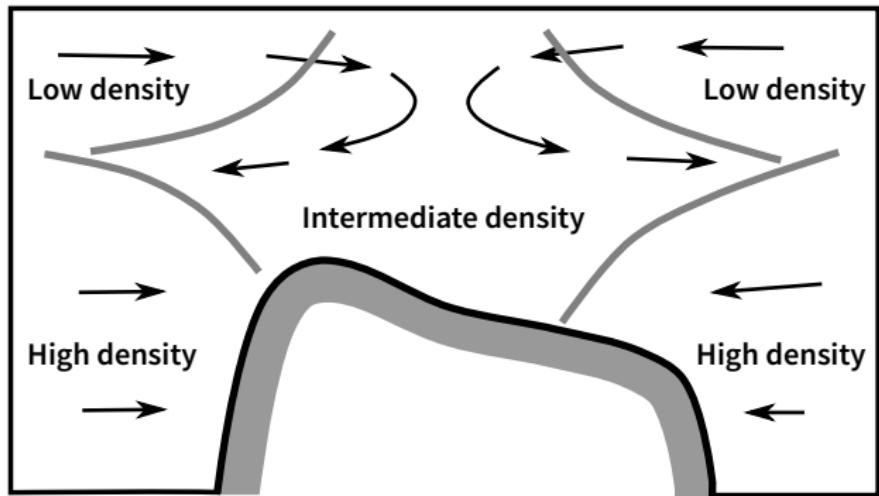
Northern influence

Energy budget

Categorising flow

Open

questions



After Valle-Levinson et al. (2001)

The MVP: moving vessel profiler

Rationale

Method

The MVP

Survey summary

Results

T-S transition

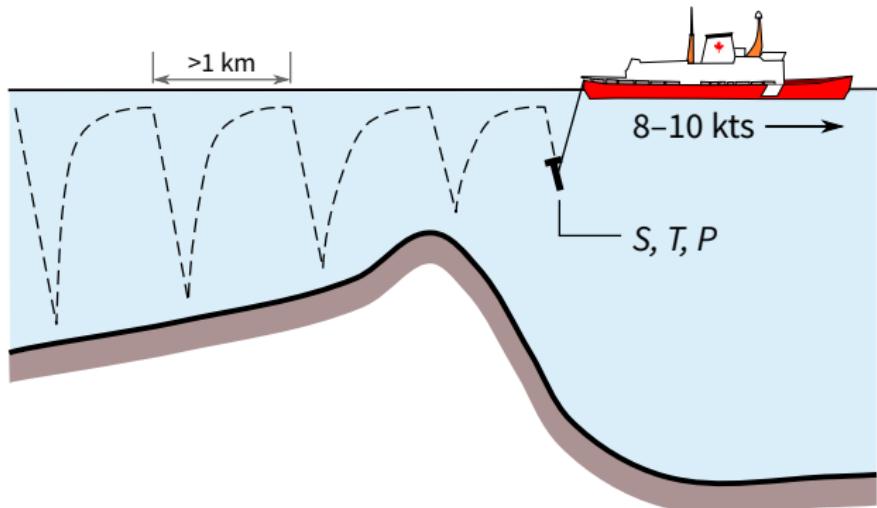
Northern influence

Energy budget

Categorising flow

Open

questions



Rationale

Method

The MVP

Survey summary

Results

T-S transition

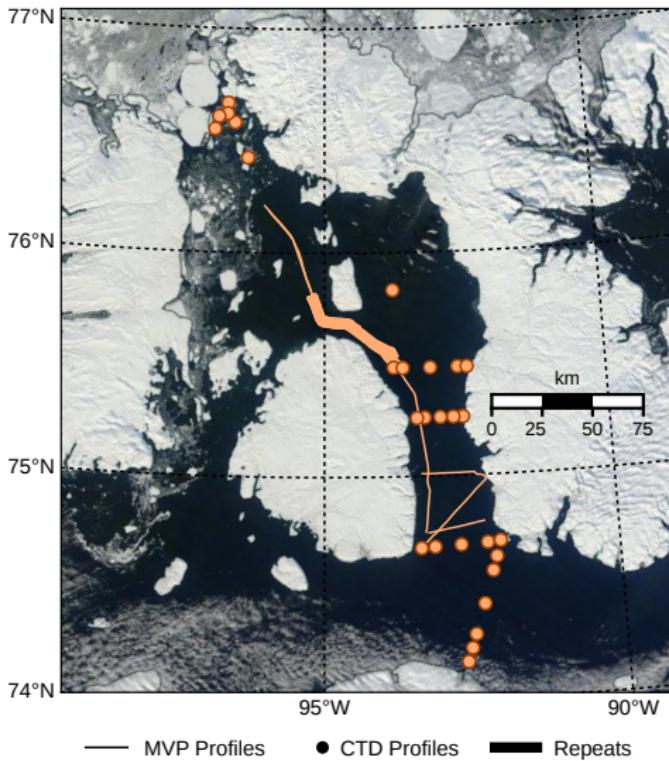
Northern influence

Energy budget

Categorising flow

Open

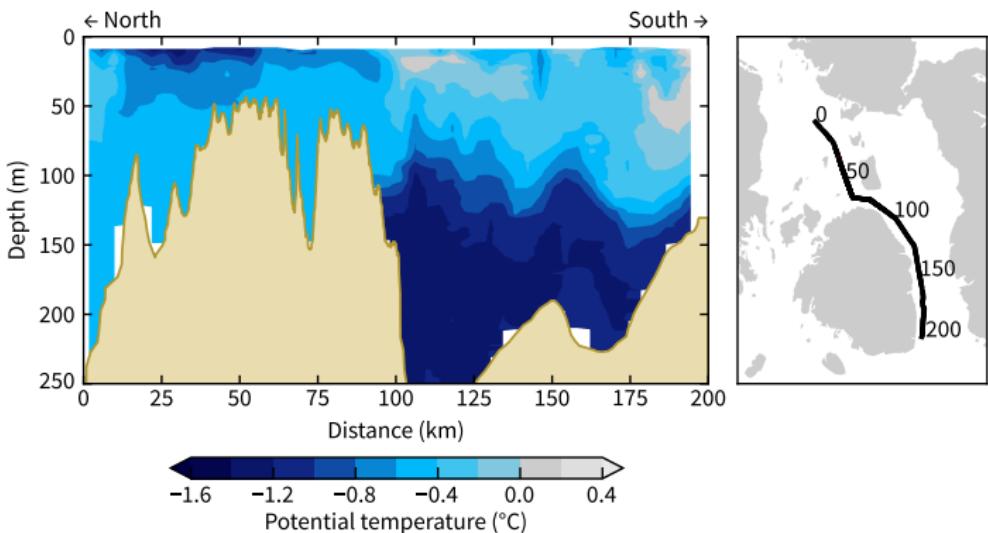
questions



An abrupt transition in properties

Rationale
Method
The MVP
Survey summary
Results
T-S transition
Northern influence
Energy budget
Categorising flow

Open questions



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Rationale

Method

The MVP

Survey summary

Results

T-S transition

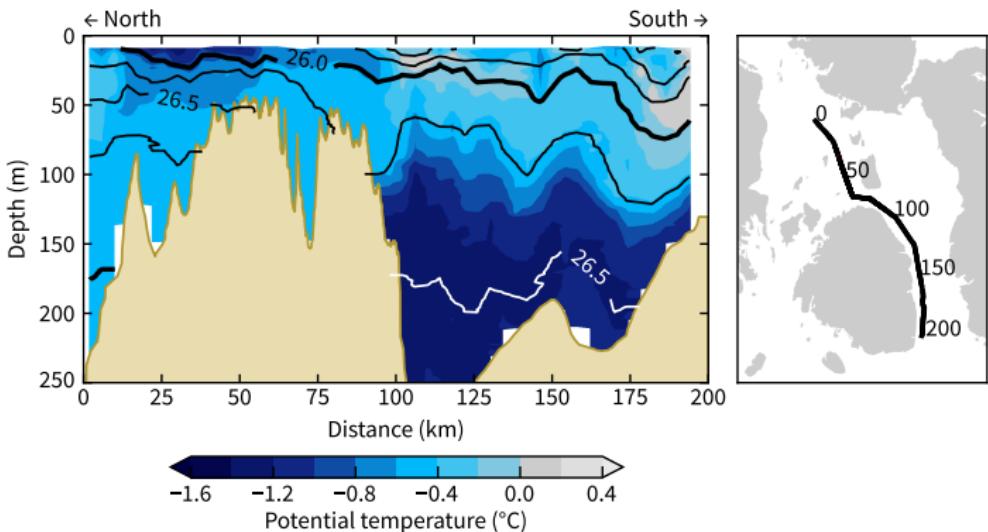
Northern influence

Energy budget

Categorising flow

Open

questions

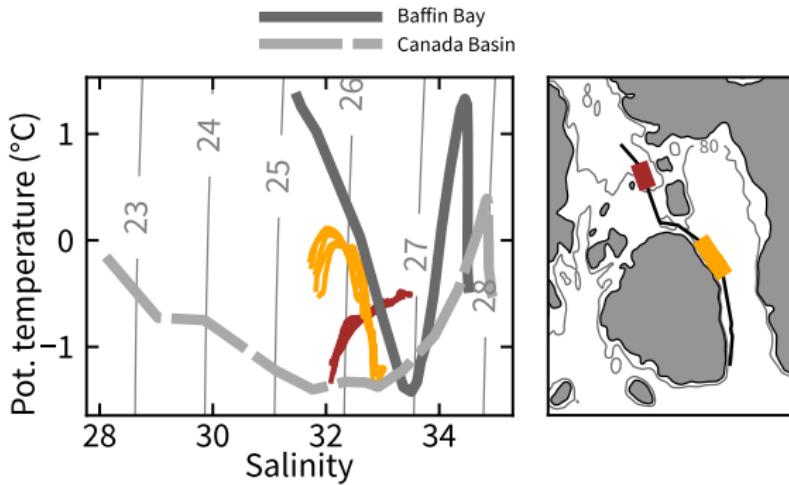


An abrupt transition in properties

Rationale
Method
The MVP
Survey summary

Results
T-S transition
Northern influence
Energy budget
Categorising flow

Open questions



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Rationale

Method

The MVP

Survey summary

Results

T-S transition

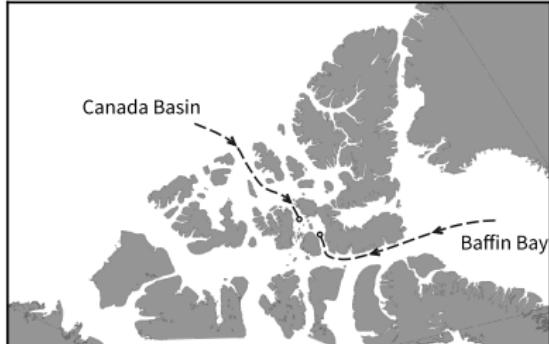
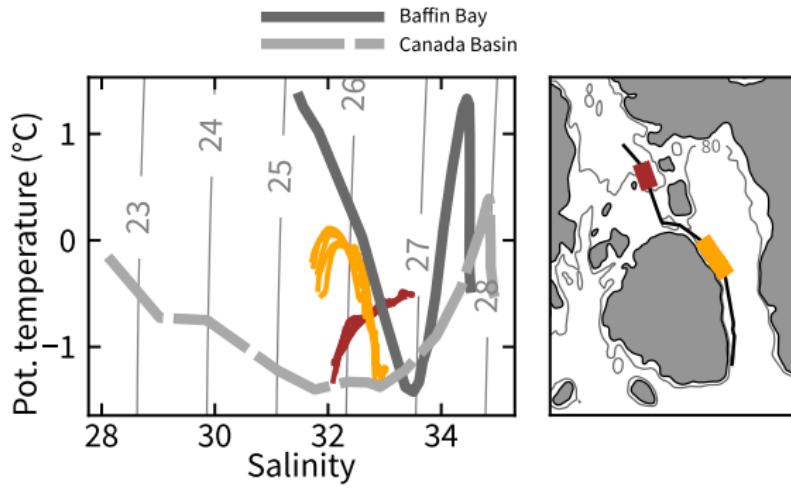
Northern influence

Energy budget

Categorising flow

Open

questions



Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open

questions

How much influence do northern waters have?

Rationale

Method

The MVP

Survey summary

Results

T-S transition

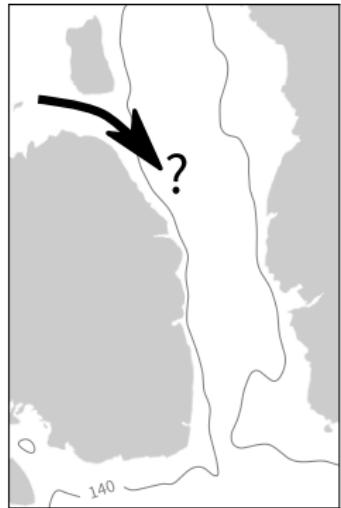
Northern influence

Energy budget

Categorising flow

Open

questions



Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open



Rationale

Method

The MVP

Survey summary

Results

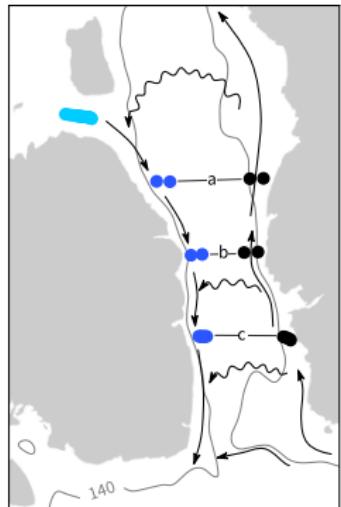
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Rationale

Method

The MVP

Survey summary

Results

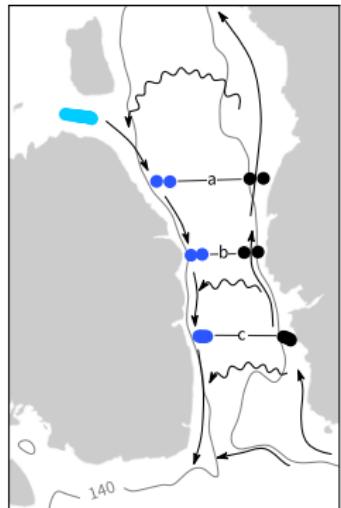
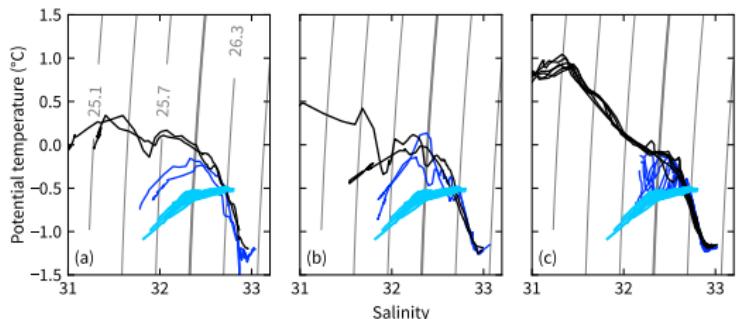
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Rationale

Method

The MVP

Survey summary

Results

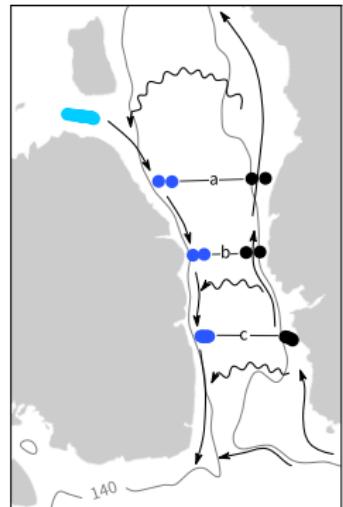
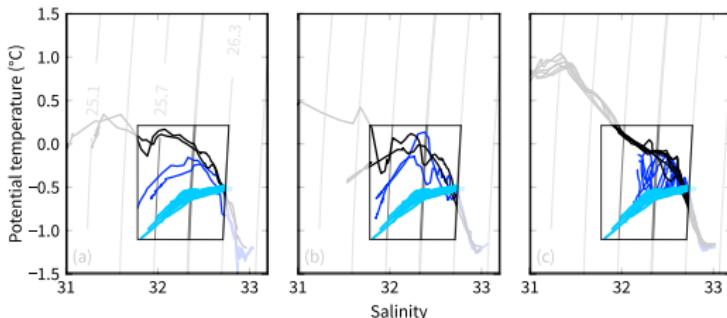
T-S transition

Northern influence

Energy budget

Categorising flow

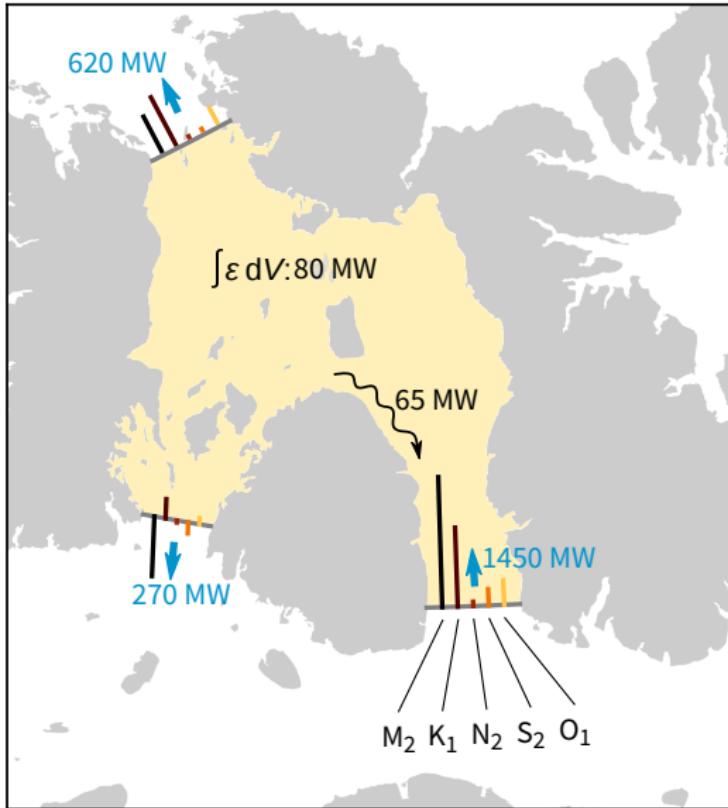
Open
questions



Rationale
Method
The MVP
Survey summary

Results
T-S transition
Northern influence
Energy budget
Categorising flow

Open
questions



Catergorising flow

Sill dynamics
in the CAA

Rationale

Method

The MVP

Survey summary

Results

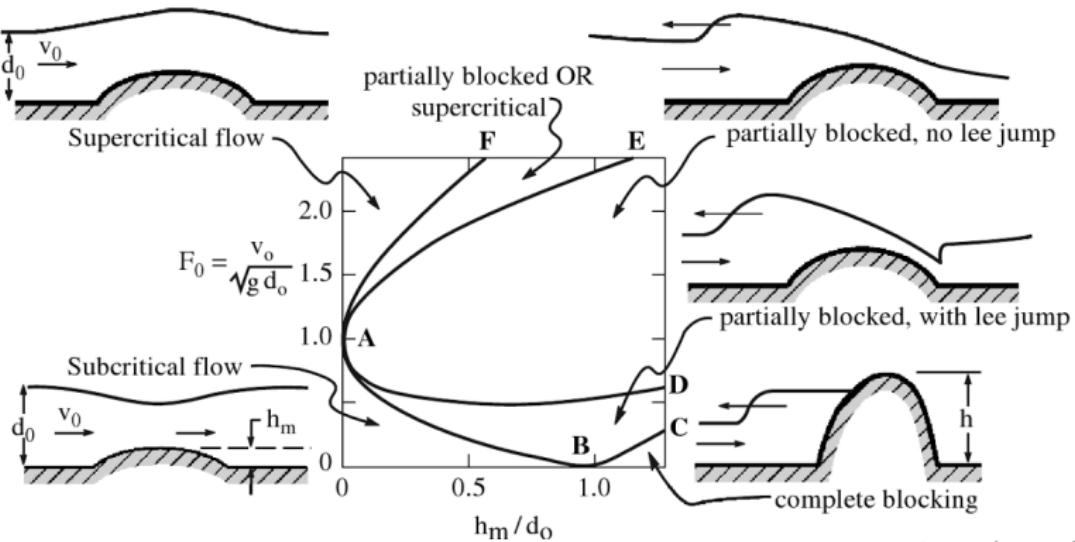
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Baines (1995)

Rationale

Method

The MVP

Survey summary

Results

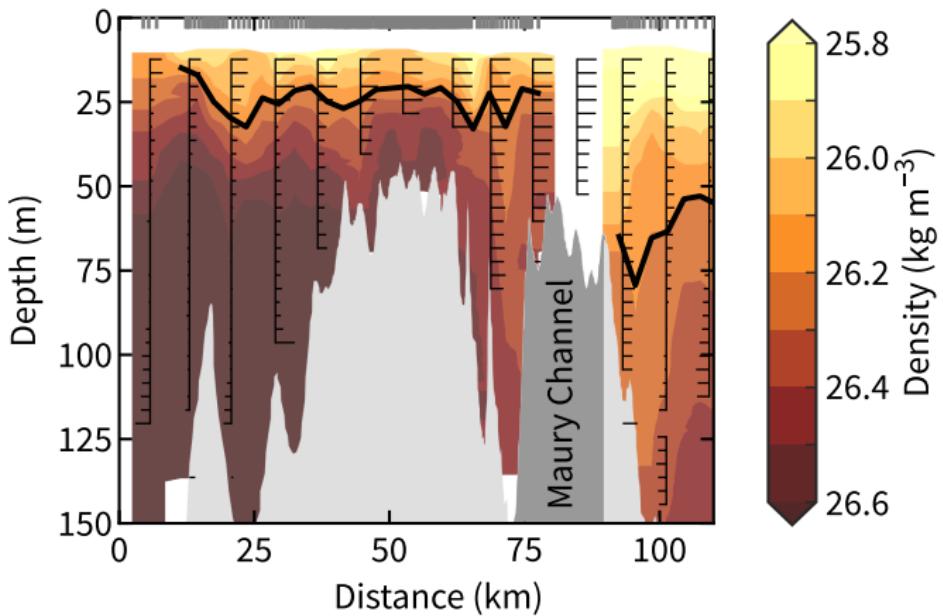
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Rationale

Method

The MVP

Survey summary

Results

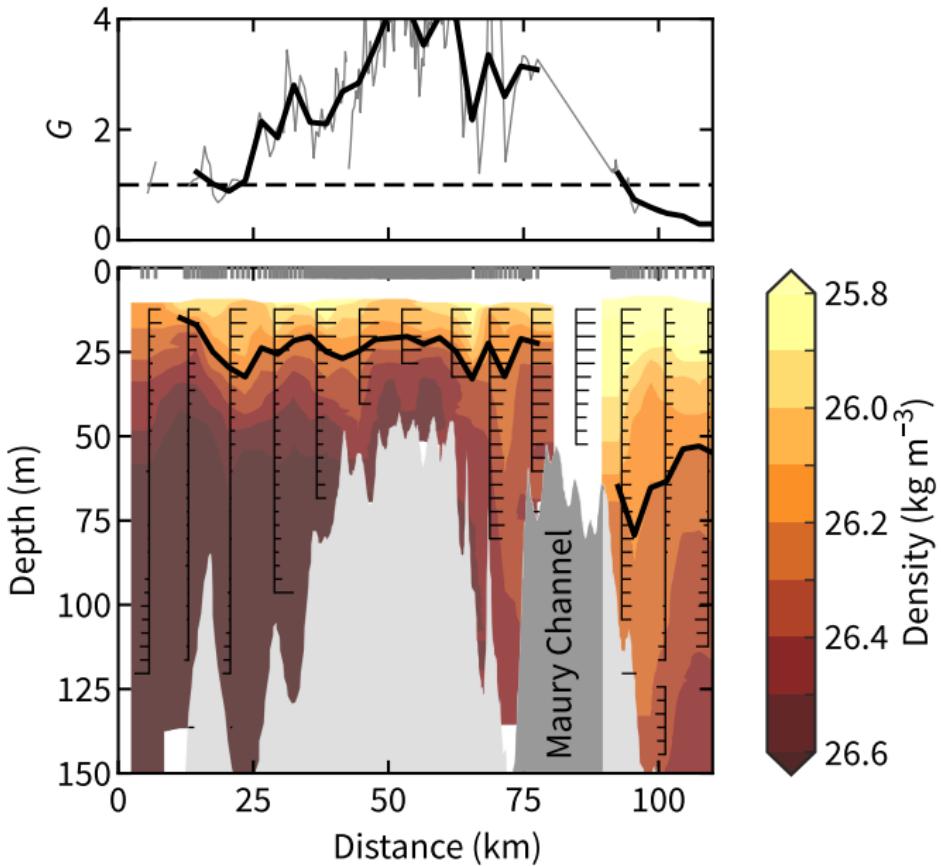
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Rationale

Method

The MVP

Survey summary

Results

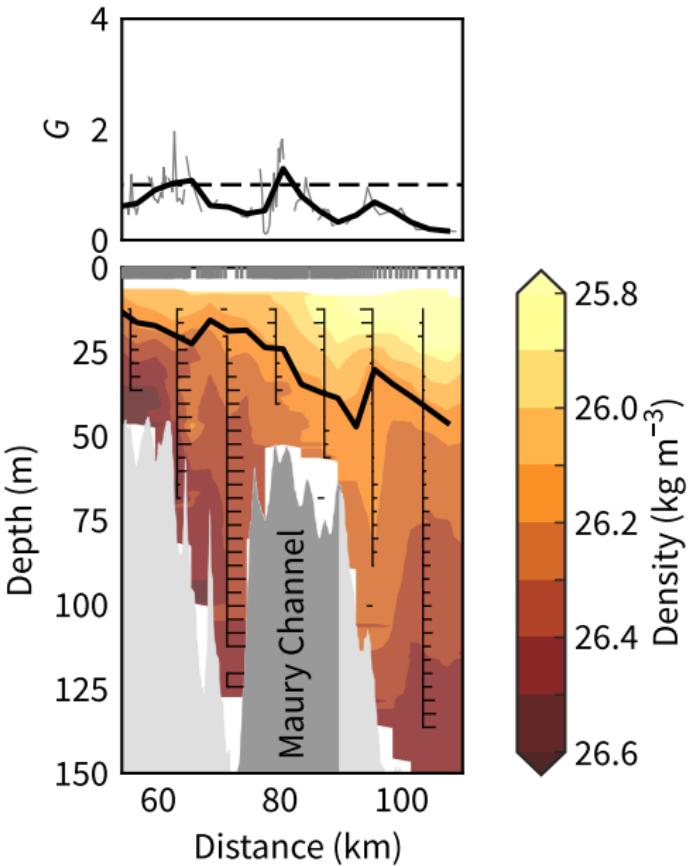
T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions



Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions

- Tidally averaged behaviour
- Eddy generation
- Critical latitude

Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions

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Rationale

Method

The MVP

Survey summary

Results

T-S transition

Northern influence

Energy budget

Categorising flow

Open
questions

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