

Survey Results

154 Responders (~30% are here at the workshop)

80 day endurance	86% agree (39 comments)
4.5 feet at 3 kts	87% agree (44 comments)
Helicopter capable	93% agree (46 comments)
Small boats	93% agree (57 comments)
Walk-in Freezers/Coolers	96% agree (30 comments)
2 point winch for trawls	77% agree (41 comments)
Towing in ice	88% agree (34 comments)
AUV/ROV handling	96% agree (42 comments)
Acoustically quiet	95% agree (37 comments)
Box keel	91% agree (41 comments)
Internet!	98% agree (37 comments)
5-6 vans	90% agree (42 comments)
Moon pool	70% agree (50 comments)

We have diverse views.....

Yes to small boats – need to focus on launching and loading,
Zodiacs good

Moon pool a controversial issue (ranging from “absolutely needed” to “a disaster”)

Helicopters also controversial but generally subscribed to
(safety enhancement, new science)

Simultaneous 2 point trawl winch not very popular –
identified with one type of fishing

Endurance: 80 days fine with most, a few argue for 90 days.

Ice breaking: 4.5 feet at 3 kts fine with many but range of suggested needs is 3 feet to 7 (or more) feet.

Science party capacity: Most fine with 50.

Speed Issues: Cruise at 10-20 kts, controlled nav at <1kt (camera/ROV), 2nd gen DPS

Vans: 5 to 6 probably OK, range from 3 to >10

Internet: Almost universal support

AUV/ROV: Universal support but may not need a moon pool

Other Interesting Question:

- 1) Where will vessel mainly be used? What seasons?
- 2) Will it be tasked to break in at McMurdo?
- 3) What is impact of box keel on icebreaking?
- 4) Will mission include fisheries stock assessment?
- 5) Who will operate the vessel? UNOLS, NSF, Lessor?
- 6) Will USCG be building a new heavy icebreaker?
- 7) Should we build two smaller ships and lease for “special” needs like drilling or heavy ice access?