

Bid to break Atlantic solo rowing record

Former British SAS sergeant Peter Bray, 53, is attempting to set a new world record for rowing across the North Atlantic. Bray's specially designed boat is aiming to cross from Canada to Britain in under 64 days

Gulf Stream:

Current 80km wide, moving at around 5 knots, helps propel boat eastwards towards Europe

Start:

St. John's, Newfoundland, Canada

Finish:

Isles of Scilly, UK

Gulf Stream



In 2001, Bray was first person to paddle across Atlantic by kayak

Boat:

Latest composite materials give lightness and strength

Main cabin:

Sleeping space

Active radar reflector:

Alerts to presence of nearby ship

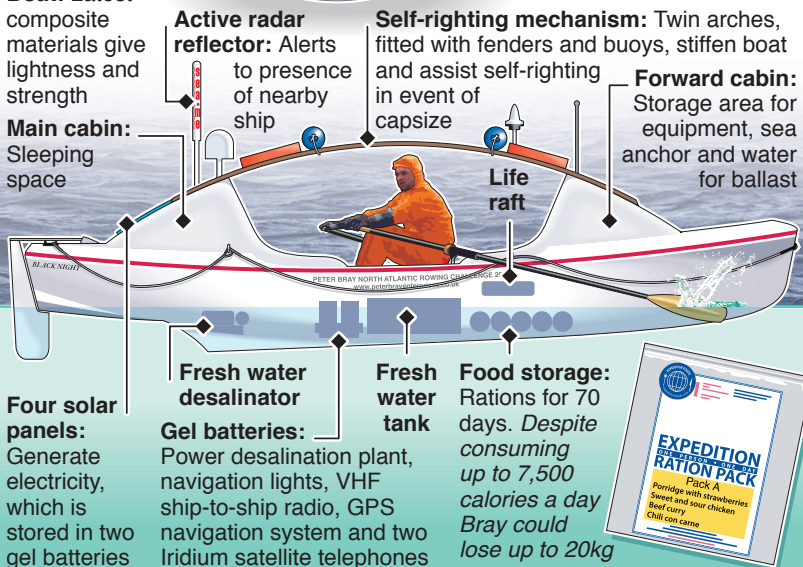
Self-righting mechanism:

Twin arches, fitted with fenders and buoys, stiffen boat and assist self-righting in event of capsize

Forward cabin:

Storage area for equipment, sea anchor and water for ballast

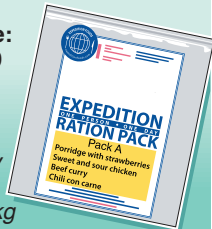
Life raft



Fresh water desalinator

Fresh water tank

Food storage: Rations for 70 days. Despite consuming up to 7,500 calories a day Bray could lose up to 20kg



Four solar panels: Generate electricity, which is stored in two gel batteries

Gel batteries:

Power desalination plant, navigation lights, VHF ship-to-ship radio, GPS navigation system and two Iridium satellite telephones