Northstar evidence pack - cable-witness/1

Evidence pack: seabed-pack.json
Format: northstar-evidence-pack/1
Ruleset: cable-witness/1 (version 0.1.0)
Subject: power cable SIM-EXP1 (SIMULATED export cable), 2026-03-02T19:00:00Z to 2026-03-03T00:47:00Z, fault F-0302 - SIMULATED DATA
Sealed by (Ed25519): 5387589f06cc42f977ab9f878166ff4516d92429940d307a6b09c0dff702b01a (compare the fingerprint out of band)
Seal checked when this PDF was made: VERIFIED
Result: exceptions - fault F-0302 at KP 16.60 (2026-03-02T23:18:34Z): 1 vessel(s) consistent with the fault, 0 near it, 0 present in the corridor; 2 crossing(s), 0 dark, 1 drag signature(s)
Licence: EVALUATION COPY - NOT FOR RELIANCE
Documents attached: 4 of 4 match the hashes in the pack
To check: drop this PDF into the Northstar file checker (northstar-verify).
These pages are for reading. The attached pack is what is verified. SIMULATED DATA.

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The supplied AIS records for the period were compared with the route of SIMULATED export cable and with
    fault F-0302 under ruleset cable-witness/1

Result: fault F-0302 at KP 16.60 (2026-03-02T23:18:34Z): 1 vessel(s) consistent with the fault, 0 near
    it, 0 present in the corridor; 2 crossing(s), 0 dark, 1 drag signature(s)

What this pack does not establish:
  - A vessel listed as consistent with the fault crossed the route at the fault position and time
    within the stated uncertainties; this file does not establish that it caused the damage.
  - Only vessels in the supplied AIS records are considered: a vessel without AIS, or with AIS switched
    off for longer than 6 hours, cannot be listed, and a non-vessel cause cannot be excluded.
  - A drag signature is a speed and status pattern consistent with an anchor or gear on the seabed;
    slowing down has other causes (pilotage, weather, engine trouble).
  - Dark crossings are inferred by a straight line across an AIS silence; the vessel's real path is
    unknown.
  - Fault time and position are as the asset owner supplied them, with the stated uncertainties.
  - AIS positions are as received; manipulated or spoofed AIS can mislead every result (position jumps
    are listed).

Intended users: the asset owner, its insurers and lawyers, and the authorities it reports the incident
    to
Reliance: Supports the owner's investigation, claim and report. It does not decide cause or liability.
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