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TRACKING NO.	SLS-207
PROGRAM	ROCKFISH
CATEGORY	Subsea Vehicles (UUV)
FISCAL YEAR	FY2026
CONTRACT AWARD	09 JAN 2026

CAPABILITY BRIEF

BACKEDDY

SLS-PROPRIETARY

Deep-Dive Long-Loiter UUV

Backeddy is the deep-dive, long-loiter UUV — the patient sentinel of the subsea line. Where SALMON surveys and moves on, ROCKFISH sits deep and quiet for weeks, carrying the MURRELET acoustic payload to watch chokepoints and approaches where a surface presence would be untenable.

KEY CAPABILITIES

- Deep-rated pressure hull for extended loiter on the bottom or in the column.
- Multi-week dormancy with energy-harvesting and hibernation duty cycles.
- Primary host for the MURRELET (SLS-402) passive acoustic payload.
- GNSS-denied subsea navigation via inertial and terrain/acoustic correlation.
- Burst, low-probability-of-intercept reporting to ALDER when cued.
- Passive-only emissions posture for sustained covert watch.

PLATFORM AT A GLANCE

6 weeks

LOITER

1,000 m

DEPTH RATING

250 nm

RANGE

MURRELET

PAYLOAD

NOTIONAL SPECIFICATIONS

LENGTH	5.2 m	PROPULSION	Electric + energy harvest
DIAMETER	0.53 m	TRANSIT SPEED	3 kt
WEIGHT (AIR)	320 kg	LOITER ENDURANCE	42 days
DEPTH RATING	1,000 m	RANGE	250 nm
PAYLOAD	MURRELET (SLS-402)	AUTONOMY	CEDAR (SLS-301)
NAVIGATION	INS + DVL, terrain/acoustic	DORMANCY	Hibernation duty cycle
COMMUNICATIONS	Acoustic burst; Iridium surfaced	EMISSIONS	Passive only
ONBOARD STORAGE	2 TB	LAUNCH & RECOVERY	Crane / A-frame

CONCEPT OF EMPLOYMENT

ROCKFISH bottoms or hovers at chokepoints in extended dormancy, waking on acoustic cue to classify and burst-report contacts to ALDER (SLS-305). It provides persistent subsurface watch in denied areas, complementing surface ISR (HERON / SLS-101) and cueing interceptors when a track warrants escalation.