

PIPELINE ENGINEERING

LEGEND:

-----	International boundary / 12 nm limit		In service cable (from data base)
-----	Limit of slide scan sonar coverage		Out of service cable
G-VG-QSAS-80	Line of longitudinal profile		Planned cable
	Geotechnical sample / test location		Chart overlap

PIPELINE ROUTE

Kilometre Post
 ----- Indicating distance from landfall
 ----- ASS_REV10M FEED pipeline route

BATHYMETRY / TOPOGRAPHY

Major bathymetric contour at a 10 m Interval relative to LAT
 Major topographic contour at a 5 m Interval relative to LAT
 Minor topographic contour at a 1 m Interval relative to LAT
 All survey depths are reduced to Lowest Astronomical Tide (LAT)

SEDIMENT TYPES

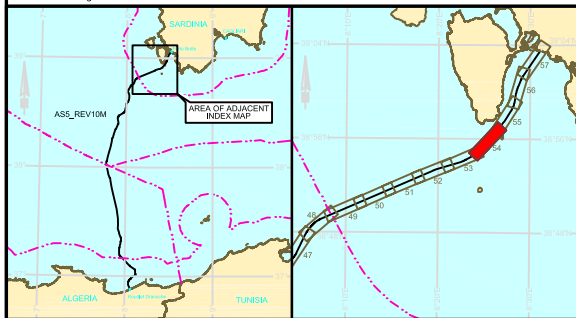
	SILT			GRAVEL
	Undisturbed seabed			CORAL
	Undulating seabed due to buried mass movement deposits			CARBONATE
	Surface mass movement deposits			MESSIANIN EVAPORITES
	Exposed failure plane			ROCK
	SAND			SEA GRASS (POSIDONIA)

SEABED FEATURES

	Sediment boundary (dashed where inferred)		Wire / cable
	Scarp / significant break of slope		As found cable (by SSS)
	Ridge axis		As found cable (by ROV)
	Localised ridge		Linear debris with dimensions (length x width x height) in metres
	Break of slope		Linear debris from ROV with dimensions (length x width x height) in metres
	Fault outcrop / subcrop		Sonar contact with dimensions (length x width x height) in metres
	Gully		Carbonate deposit with dimensions (length x width x height) in metres
	Trench		Depression less than 12 m in diameter
	Ripple mark orientation		Depression 12 m or greater in diameter
	Limit of area of numerous sonar contacts		Coral mound
	Limit of area of numerous small seabed depressions		Rock outcrop with dimensions (length x width x height) in metres
	Limit of area of numerous seabed scars		Wreck with dimensions (length x width x height) in metres
	Seabed scar		

1. SEE GALSI DETAILED MARINE SURVEY FINAL REPORT (FUGRO JOB NO. 70502) FOR ALL DMS DATA.
2. EPOXY INTERNAL COATING NOMINAL 0.08MM THICK APPLIED TO ALL PIPE JOINTS.
3. FOR ANODE AND BUCKLE ARRESTOR DETAILS SEE FEED OFFSHORE FINAL DESIGN REPORT (DOC. NO. 030-C-3-0477).



GEODETIC DATUM: WGS 84 (ETRF 1989) ELLIPSOID: WGS 84 Semi major axis: 6378137.000 Inverse flattening: 298,2572235630	PROJECTION: UNIVERSAL TRANSVERSE MERCATOR Zone 32, 9° East Latitude of Origin : 0° North False Easting : 500,000 m False Northing : 0 m Scale factor at CM : 0.9996
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0 1,000 2,000 3,000 feet

1:10,000

O3	30.01.09	RE-ISSUED FOR APPROVAL	RO	TK	SL	AFB			
O2	20.01.09	ISSUED FOR APPROVAL	RO	TK	SL	AFB			
O1	25.11.08	ISSUED FOR COMMENT	SJS	SL	SL	AFB			
REV	DATE	DESCRIPTION	BY	CHK	ENG	PM	CUSTOMER		

CLIENT		
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PROJECT

GAS PIPELINE
ALGERIA TO ITALY VIA SARDINIA

TITLE	ALGERIA TO SARDINIA FEED ALIGNMENT SHEET 54 OF 57 FROM KP 265 TO 270
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DRG. No.	05-300-P-0-3083	REV 03
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