



This document : **Annex 1 – 13 maps and figures**

Is a graphic attachment of : **Traceca Corridor**

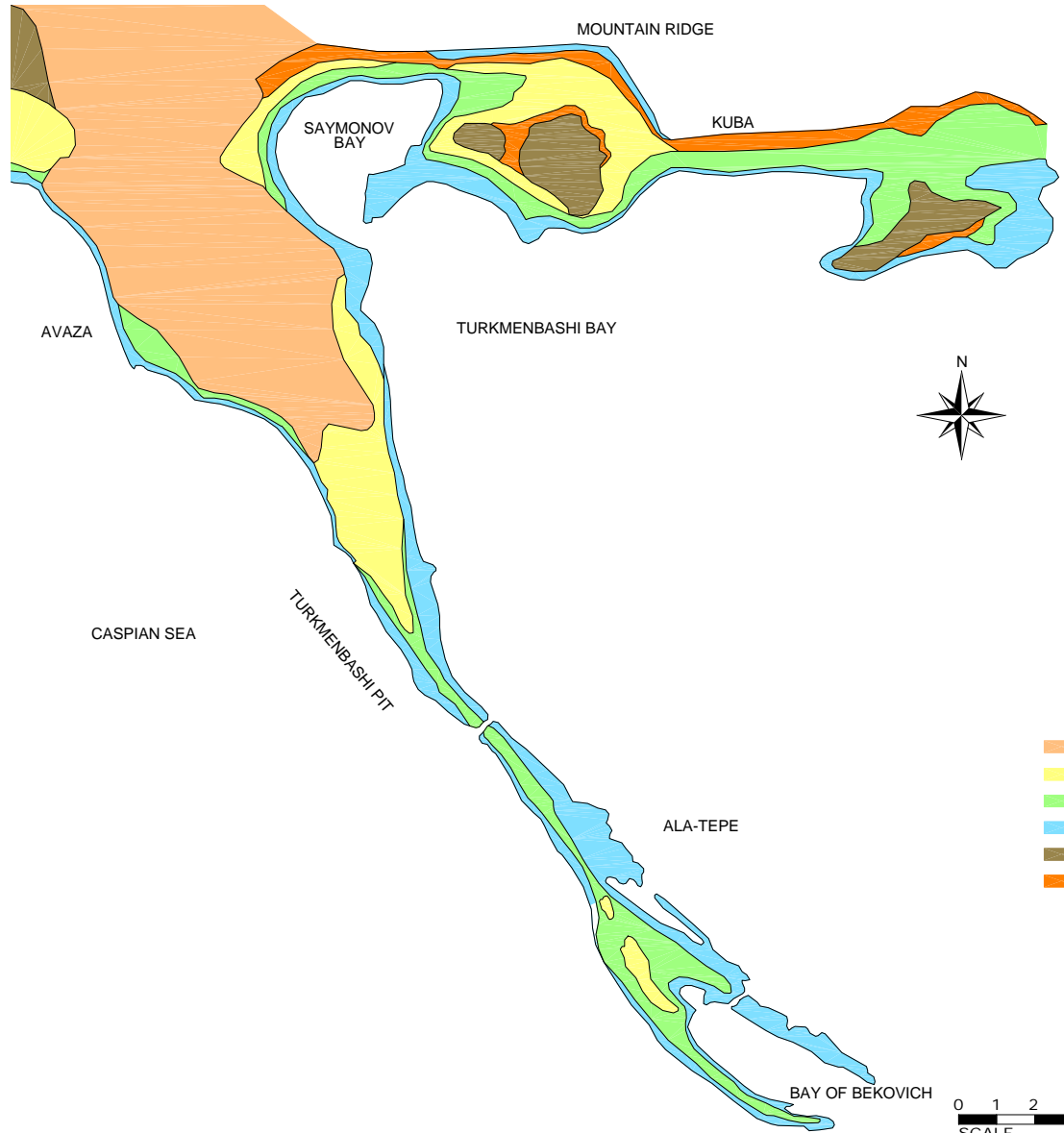
Traffic and Feasibility Studies - tnreg 9803

Module D : Navigation Channel of the existing situation

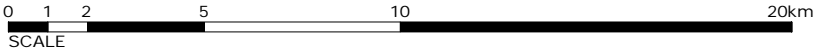
November 2000

Both available
on the TRACECA website : www.traceca.org

GEOMORPHOLOGICAL MAP
OF TURKMENBASHI BAY

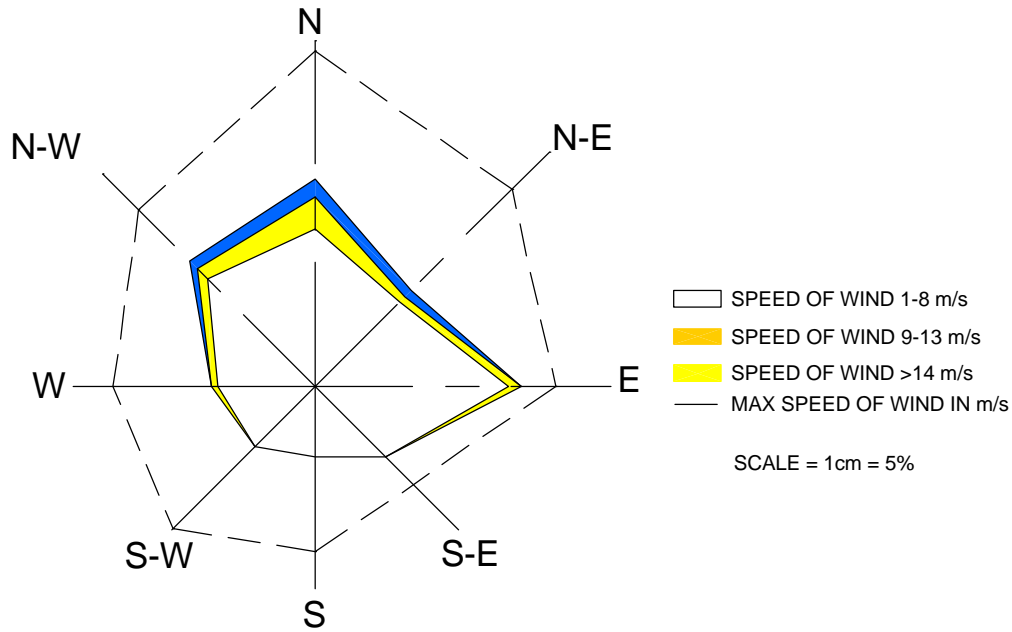


- MODERN DEPOSITS (4 TH GENERATION) : SANDS
- 3 RD GENERATION (3D TERRACE), DRIED LAGOON
- 2 ND GENERATION (2ND TERRACE)
- 1ST GENERATION (1 ST TERRACE)
- ROCKY HIGHLAND
- MODERN DELUVIT

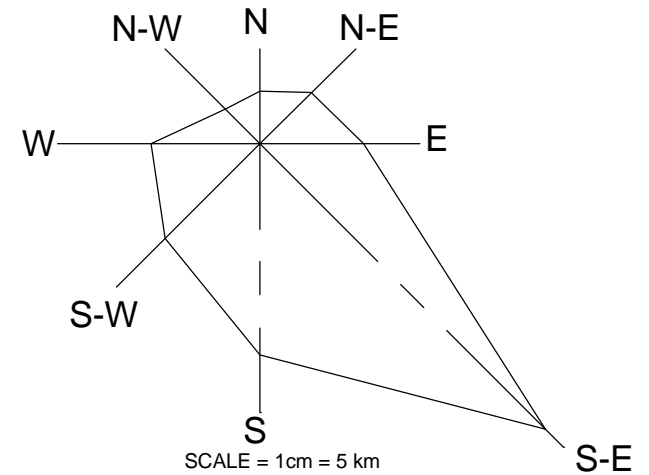


WINDS, WAVES, LEVEL FLUCTUATIONS AND CURRENTS AT THE CHANNEL ENTRANCE

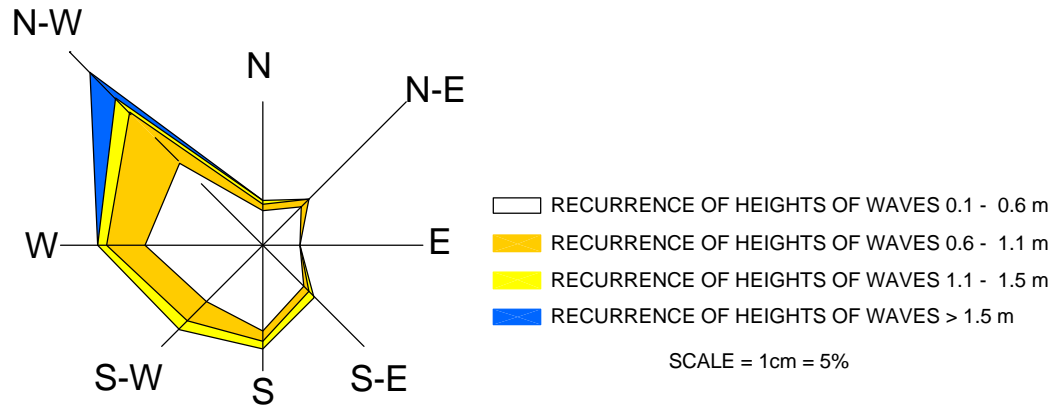
ROSE OF WIND ANNUAL FREQUENCIES



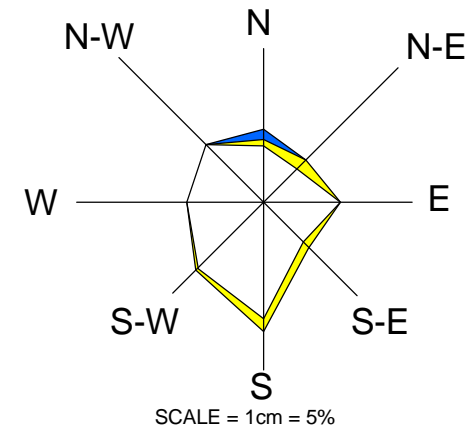
ROSE OF WAVES AT THE INNER PART OF THE CHANNEL MOUTH



ROSE OF WAVES AT OUTER PART OF THE CHANNEL MOUTH

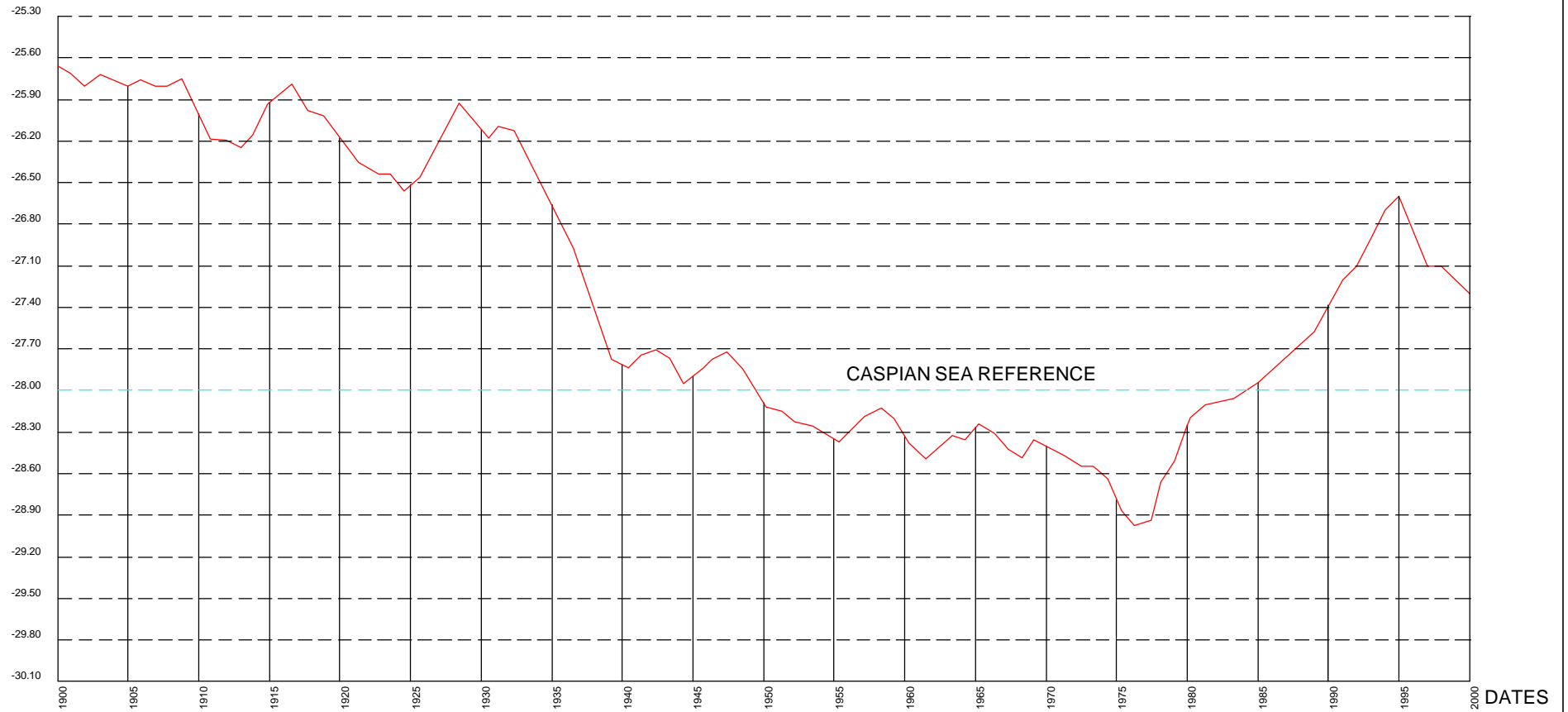


ROSE OF CURRENTS IN THE CHANNEL MOUTH

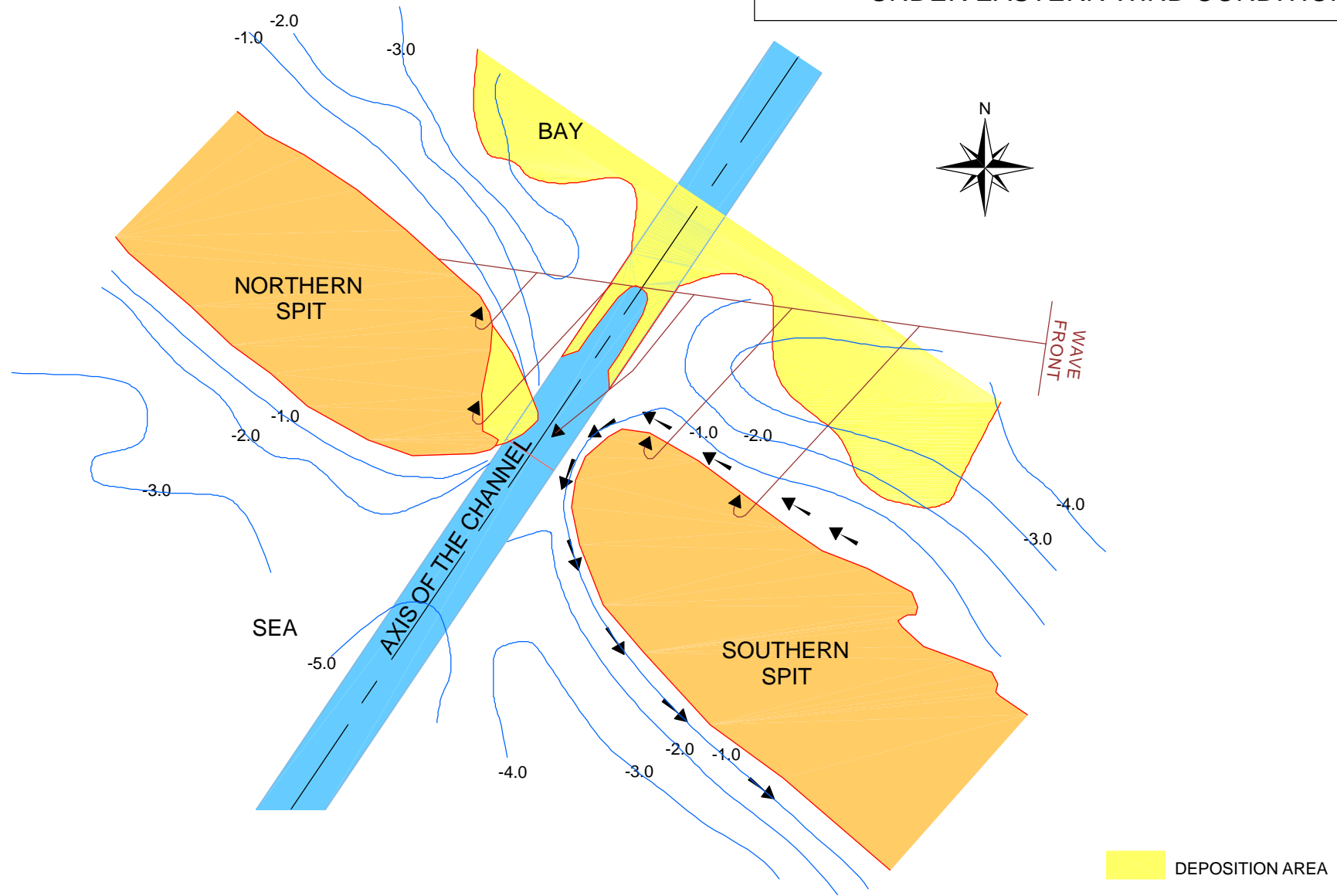


VARIATION OF CASPIAN SEA LEVEL

ELEVATION
(METERS, BALTIC SEA REFERENCE)



SAND DRIFT AND DEPOSITIONAL TRENDS
UNDER EASTERN WIND CONDITIONS

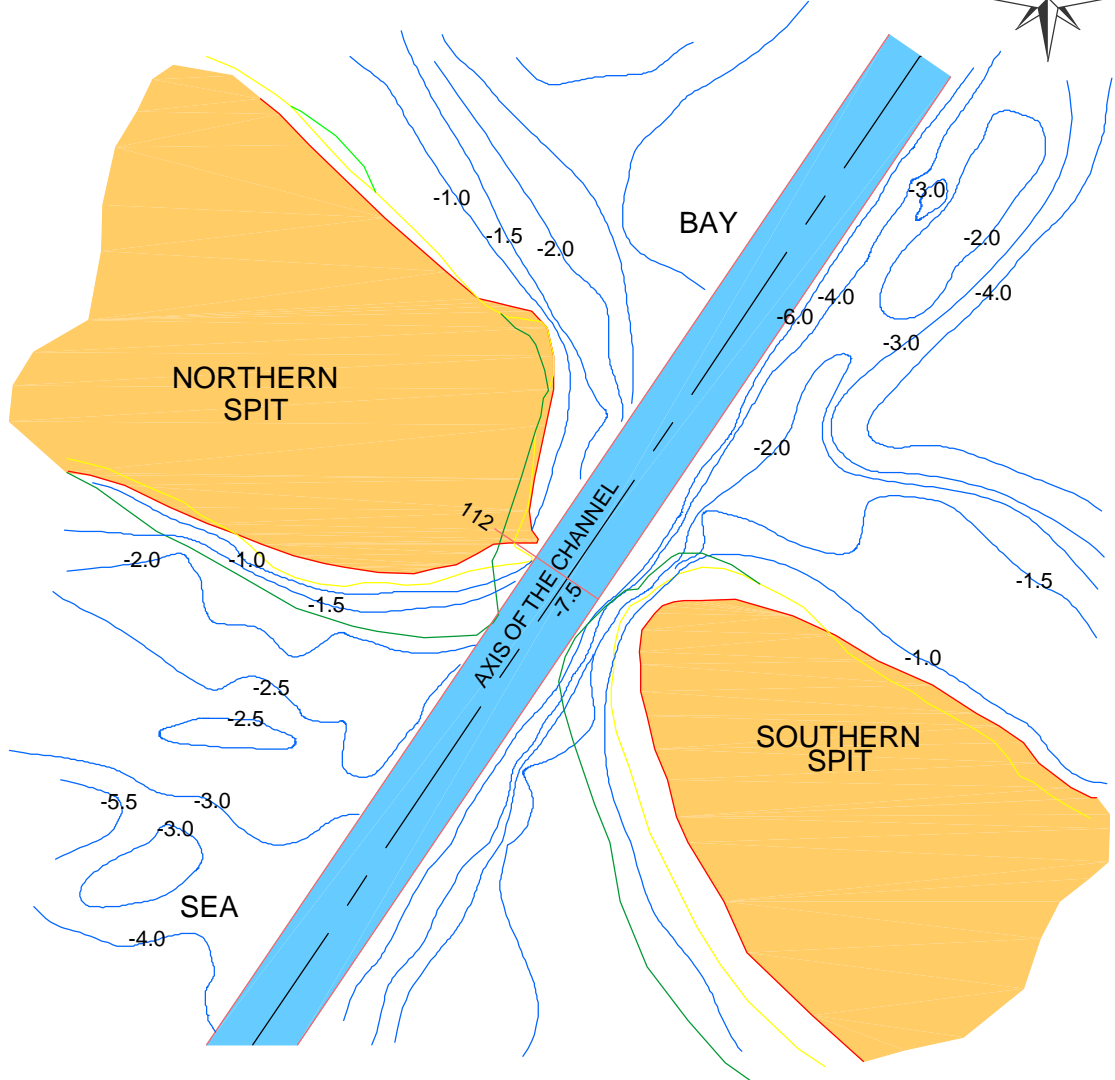


0 100 200 500 1000 2000m
SCALE:

ECO 90313 U	PL	NUM	0
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EVOLUTION OF SHORELINE ALONG BOTH PARTS
OF SPIT IN THE CHANNEL AREA

(Observations from 1953 to 1969)

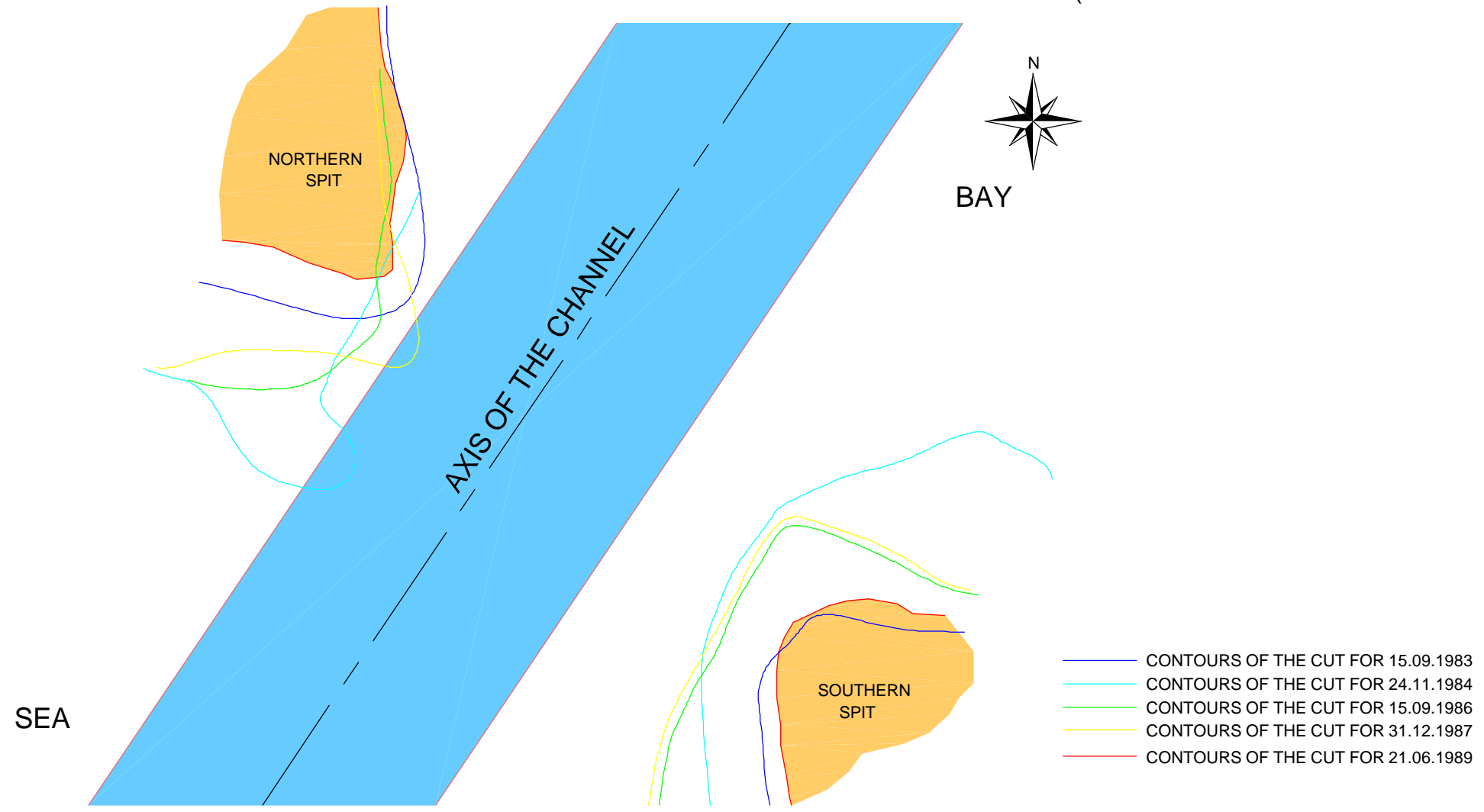


- SHORELINE 1953
- SHORELINE 1963
- SHORELINE 1969

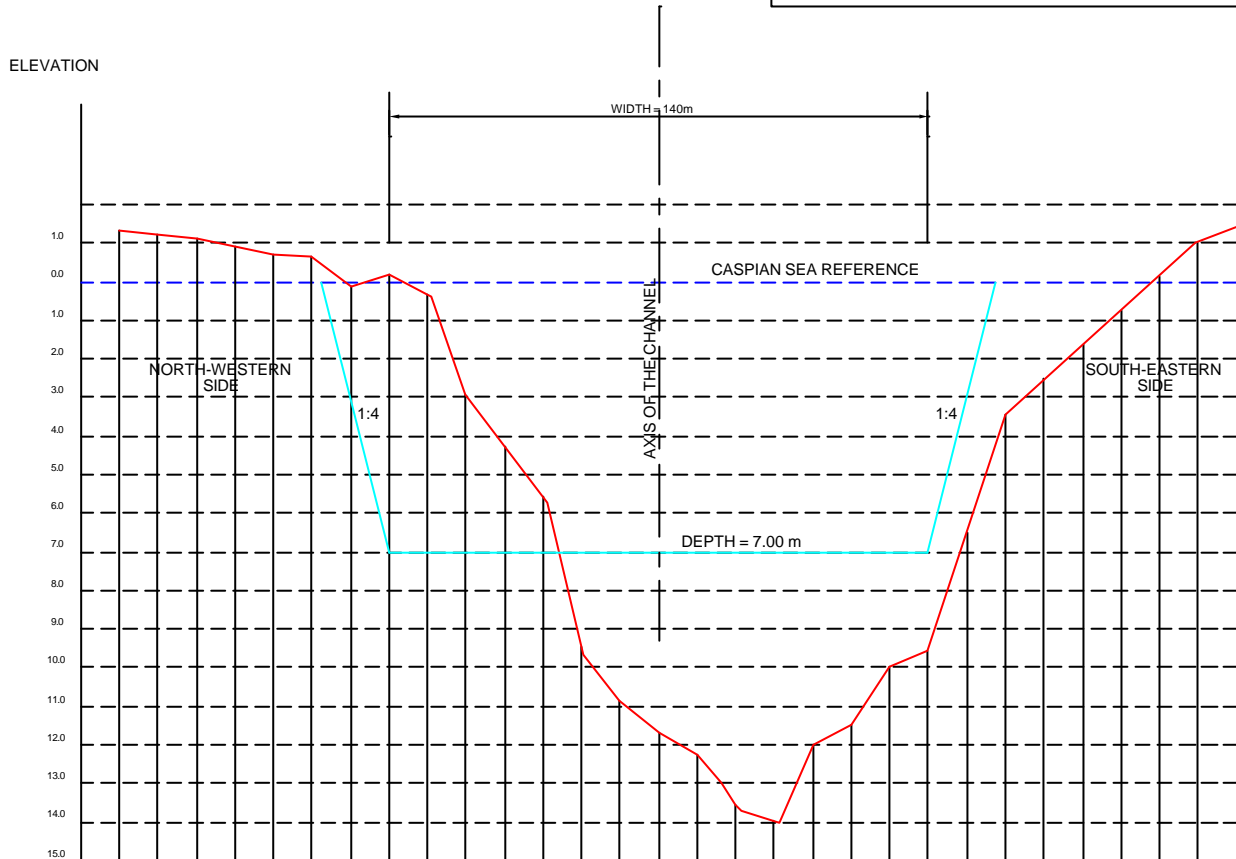


EVOLUTION OF SHORELINE ALONG BOTH PARTS
OF SPIT IN THE CHANNEL AREA

(Observations from 1983 to 1989)

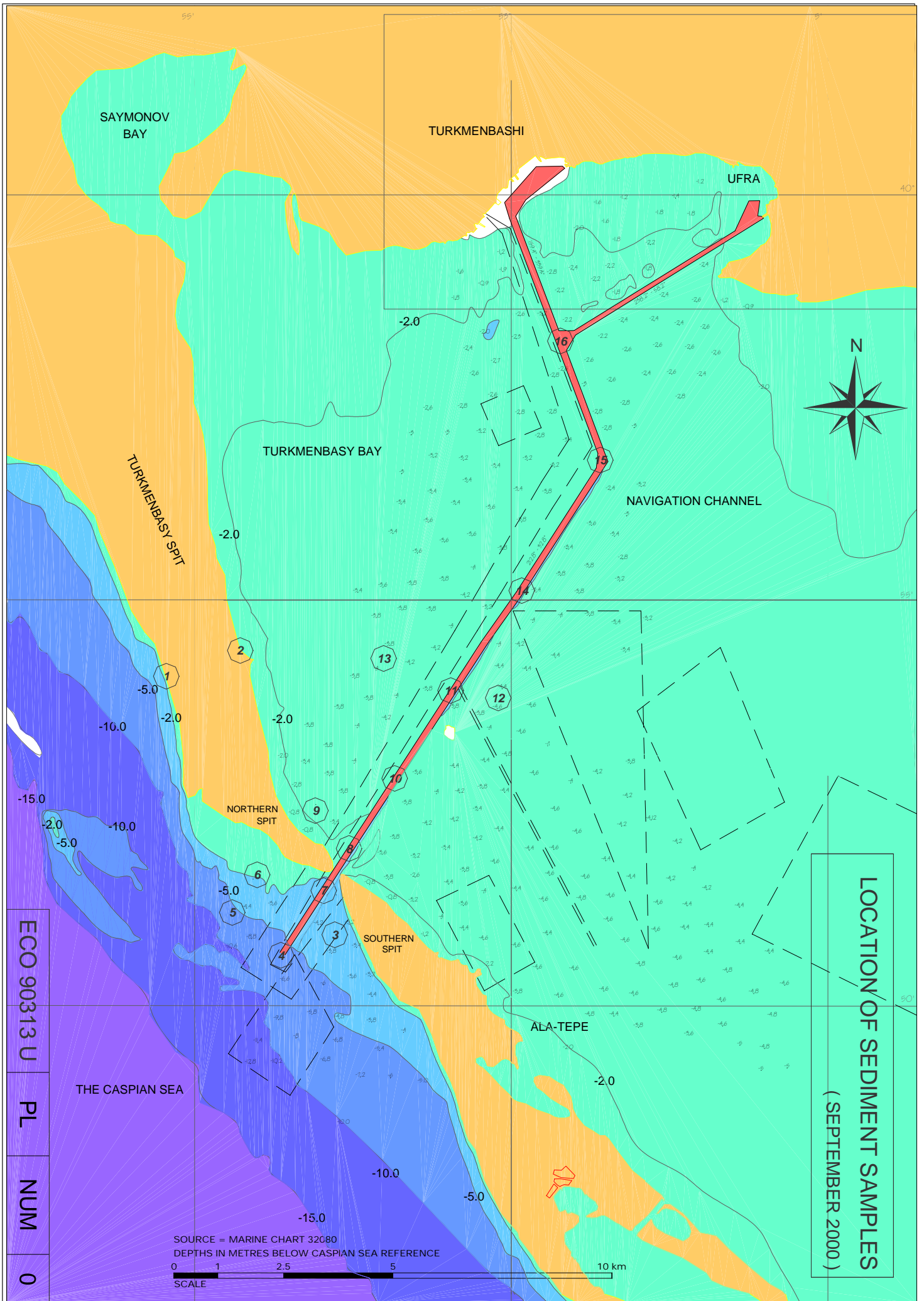


**TRANSVERSE PROFILE OF THE CHANNEL
ALONG LINE 112 SHOWING
THE INFLUENCE OF THE DRIFT (24 .11.1984)**



DISTANCE	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
RESULTS OF THE MEASUREMENTS					+0.4	+0.3	0.3	0.1	0.8	3.4	4.8	6.2	10.0	11.1	12.2	12.7	14.0	14.2	14.4	12.1	10.2	9.8	7.4	4.1						

— PROJECT PROFILE OF THE CHANNEL (LINE 112)

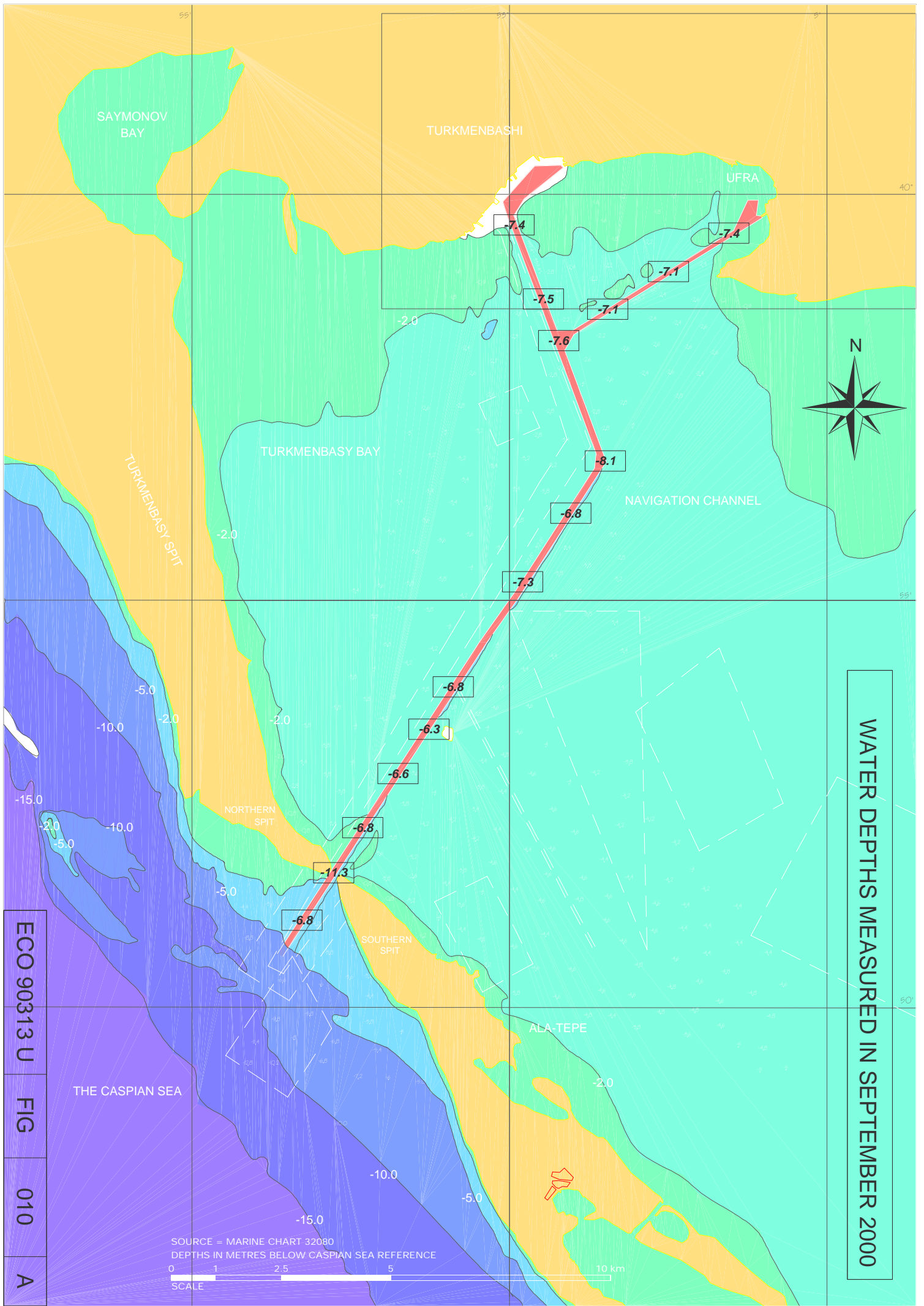


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LOCATION OF SEDIMENT SAMPLES
(SEPTEMBER 2000)

SOURCE = MARINE CHART 32080
 DEPTHS IN METRES BELOW CASPIAN SEA REFERENCE
 0 1 2.5 5
 SCALE

10 km



ECO 90313 U
 FIG 010
 A

SOURCE = MARINE CHART 32080
 DEPTHS IN METRES BELOW CASPIAN SEA REFERENCE
 0 1 2.5 5
 SCALE

WATER DEPTHS MEASURED IN SEPTEMBER 2000