Late Cretaceous and Tertiary evolution of the Zambezi Delta Basin, Mozambique.

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Volume II

This volume contains the appendices to Chapter 3 in volume I of the Thesis. This is composed of time (TWT) isochron and isopach maps derived from seismic data, a large table, well log examples referred to in the main text and some interpreted seismic sections, which were referred to in the main thesis text.

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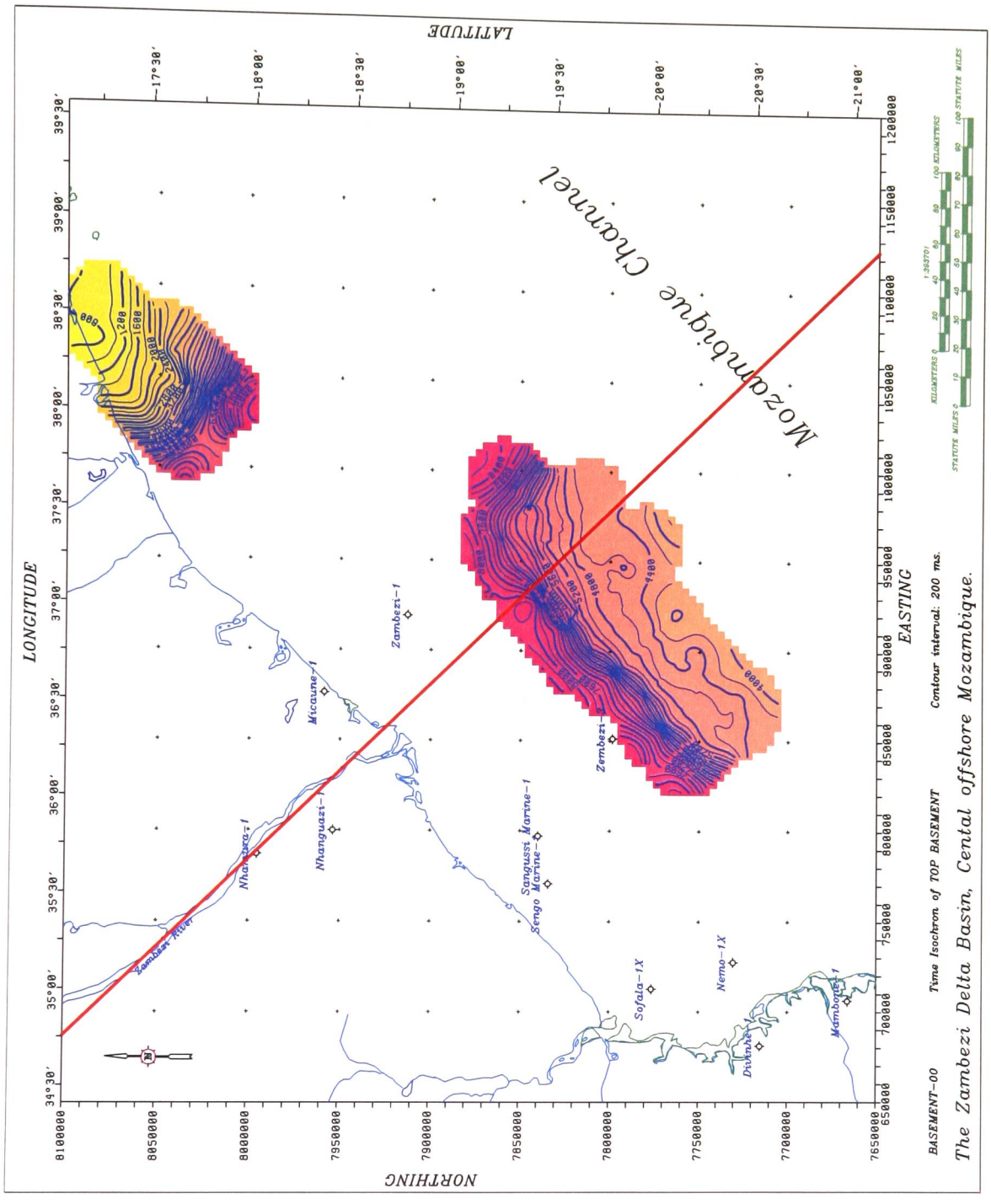

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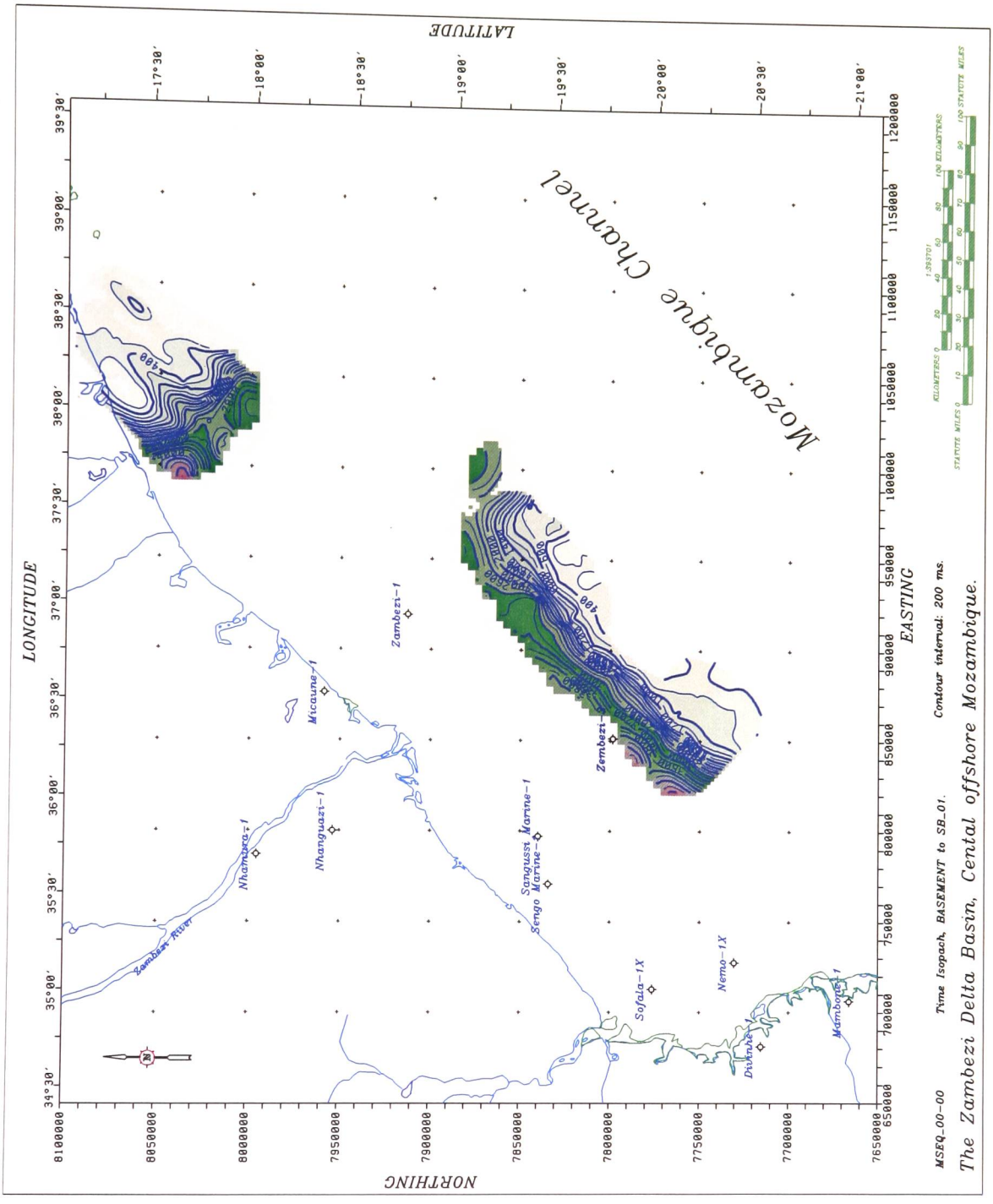

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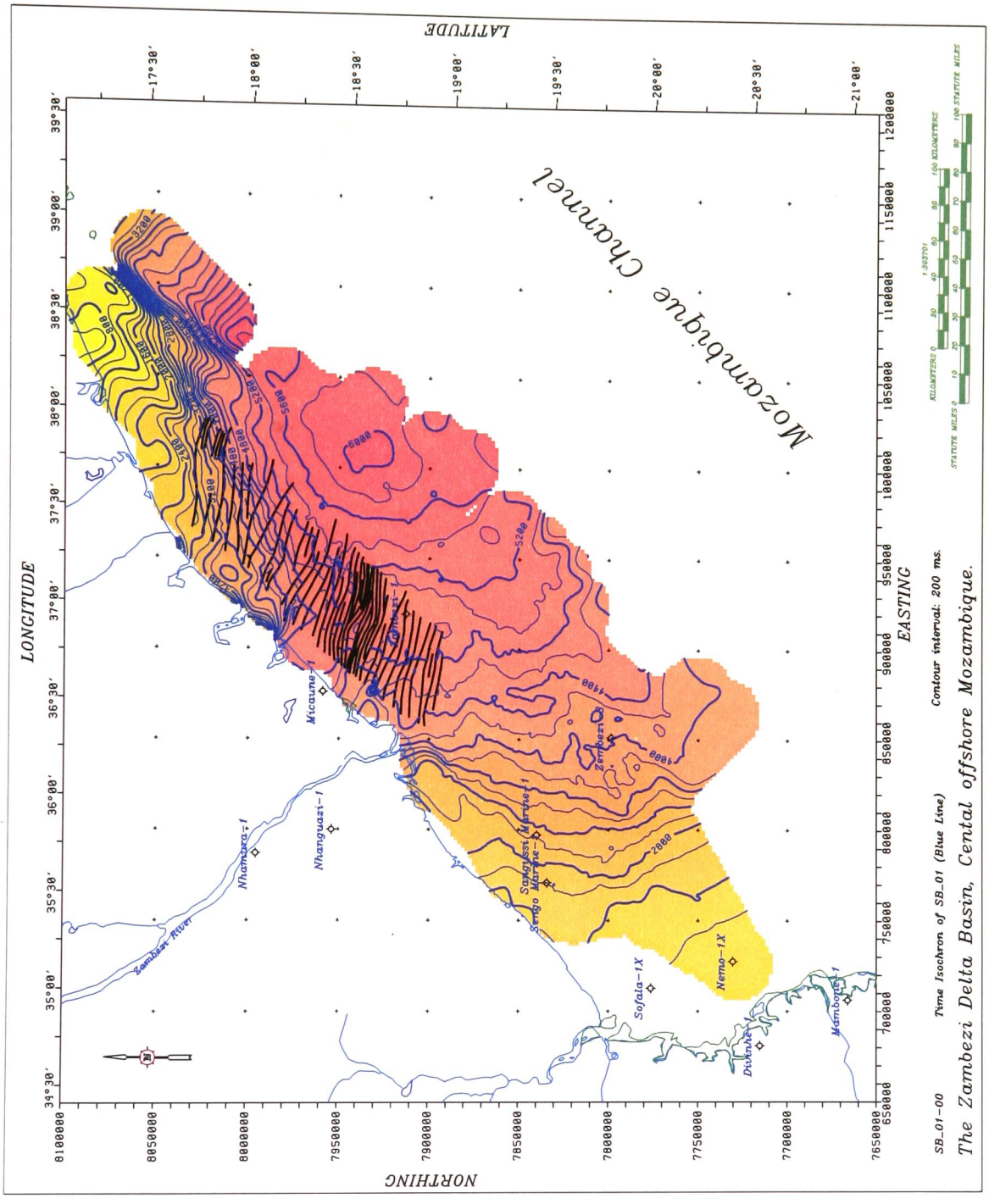

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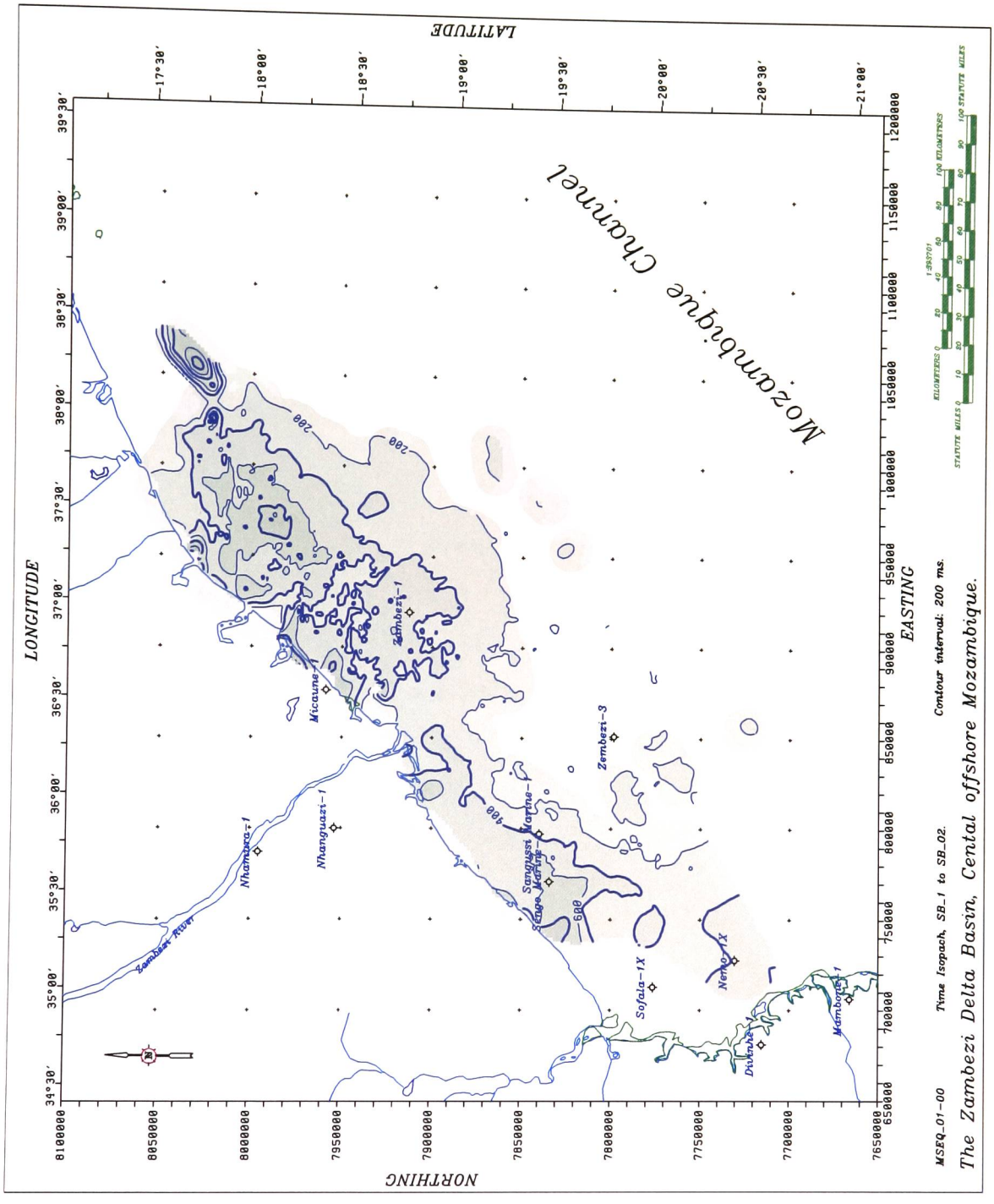

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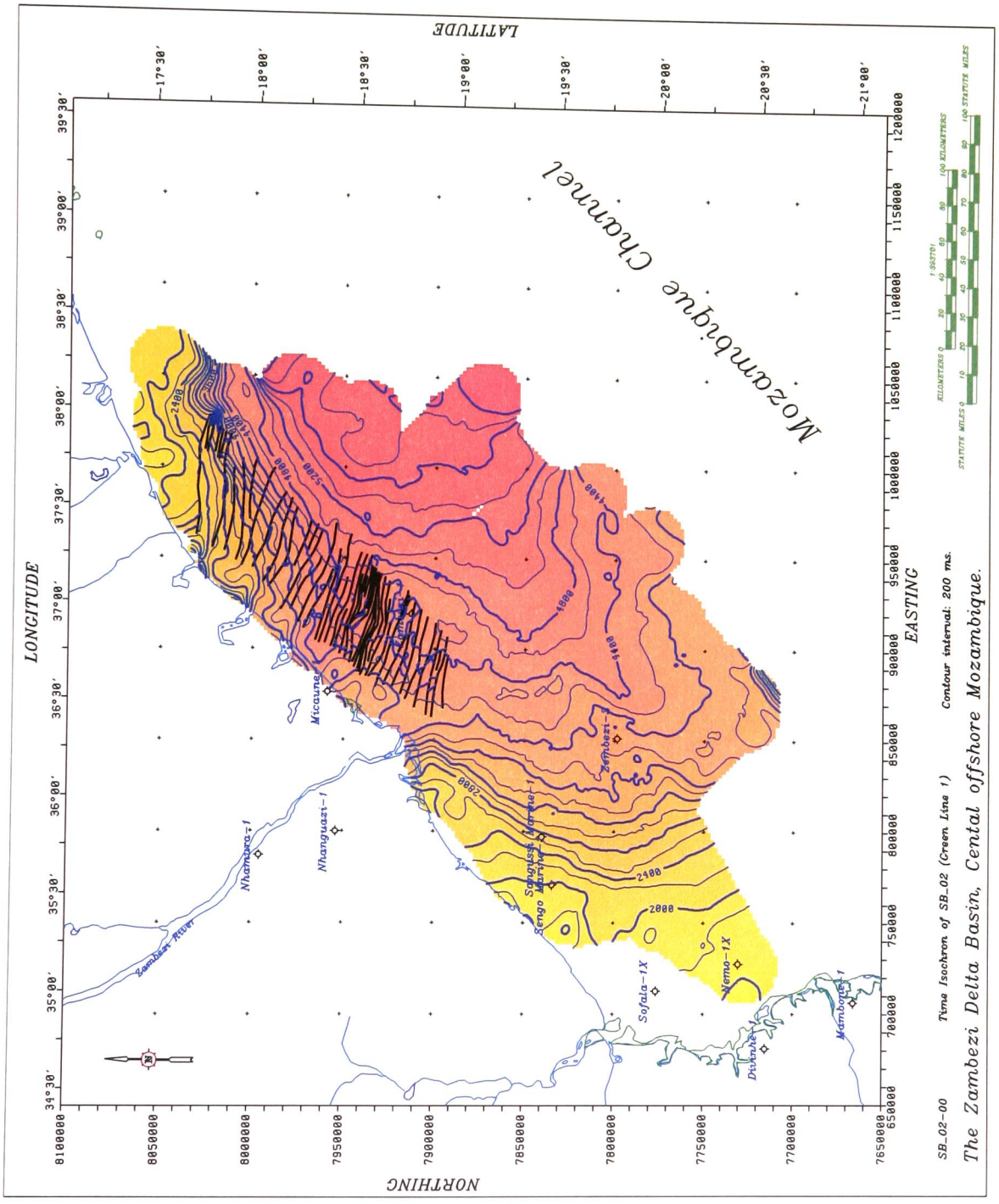

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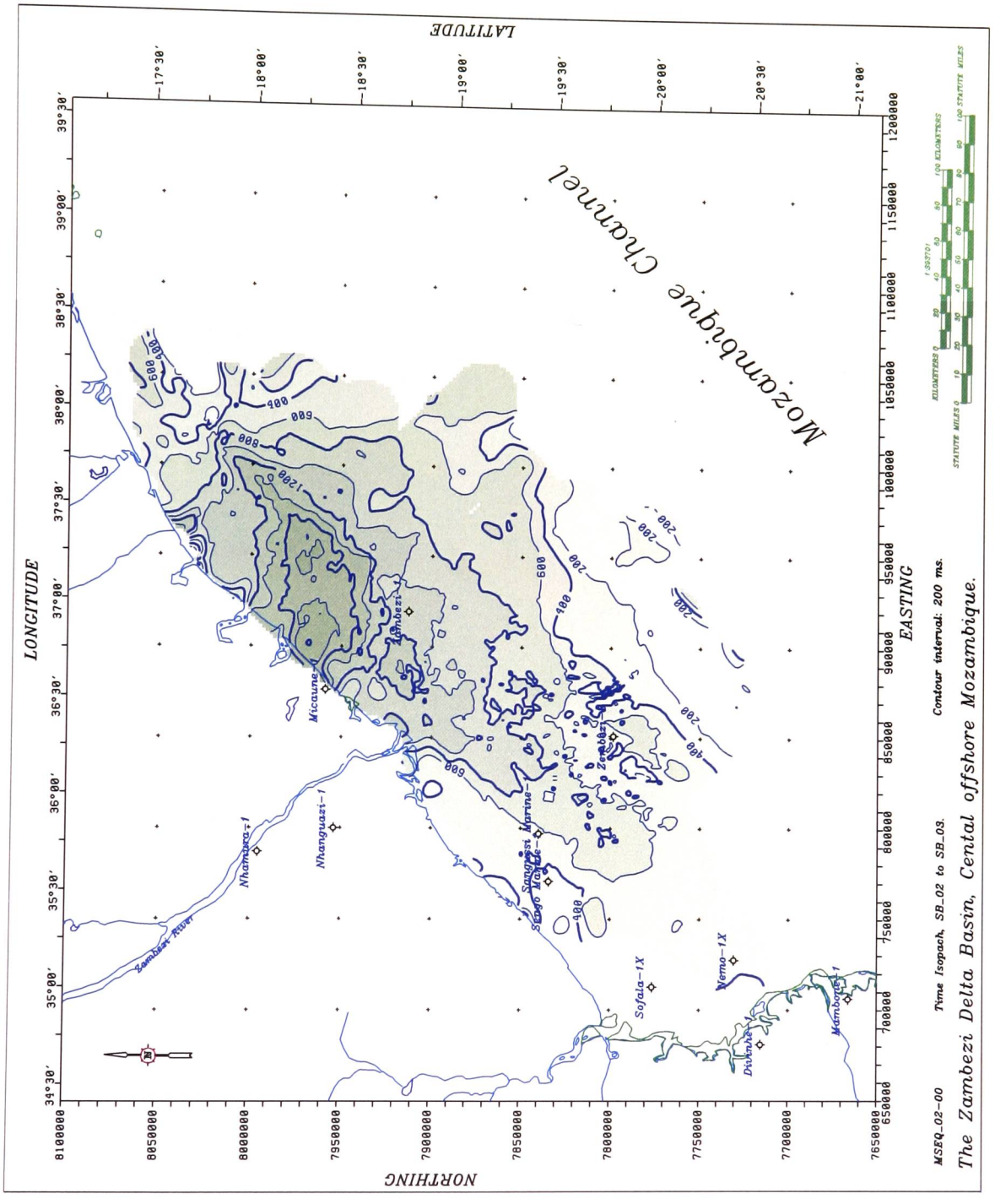

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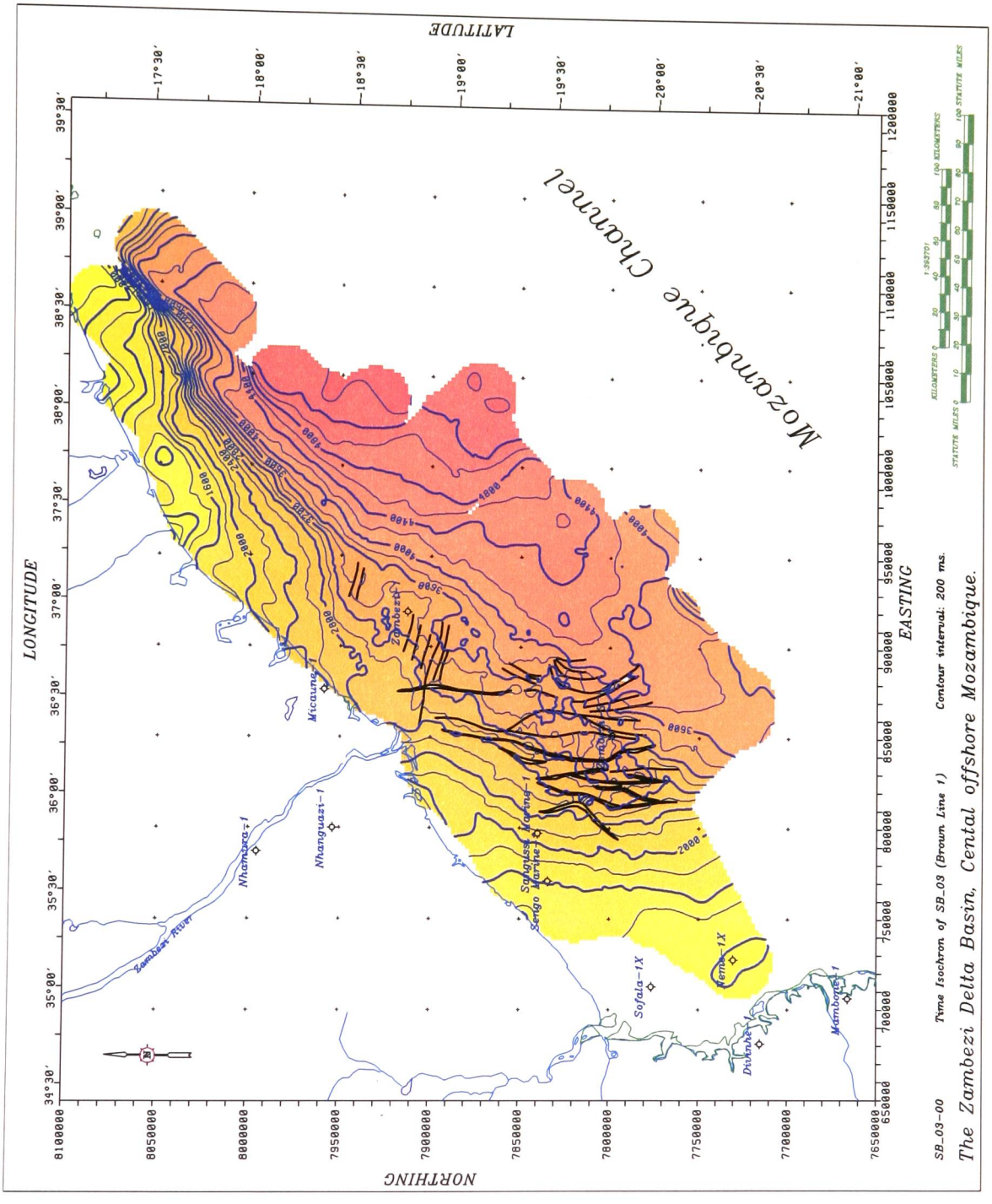

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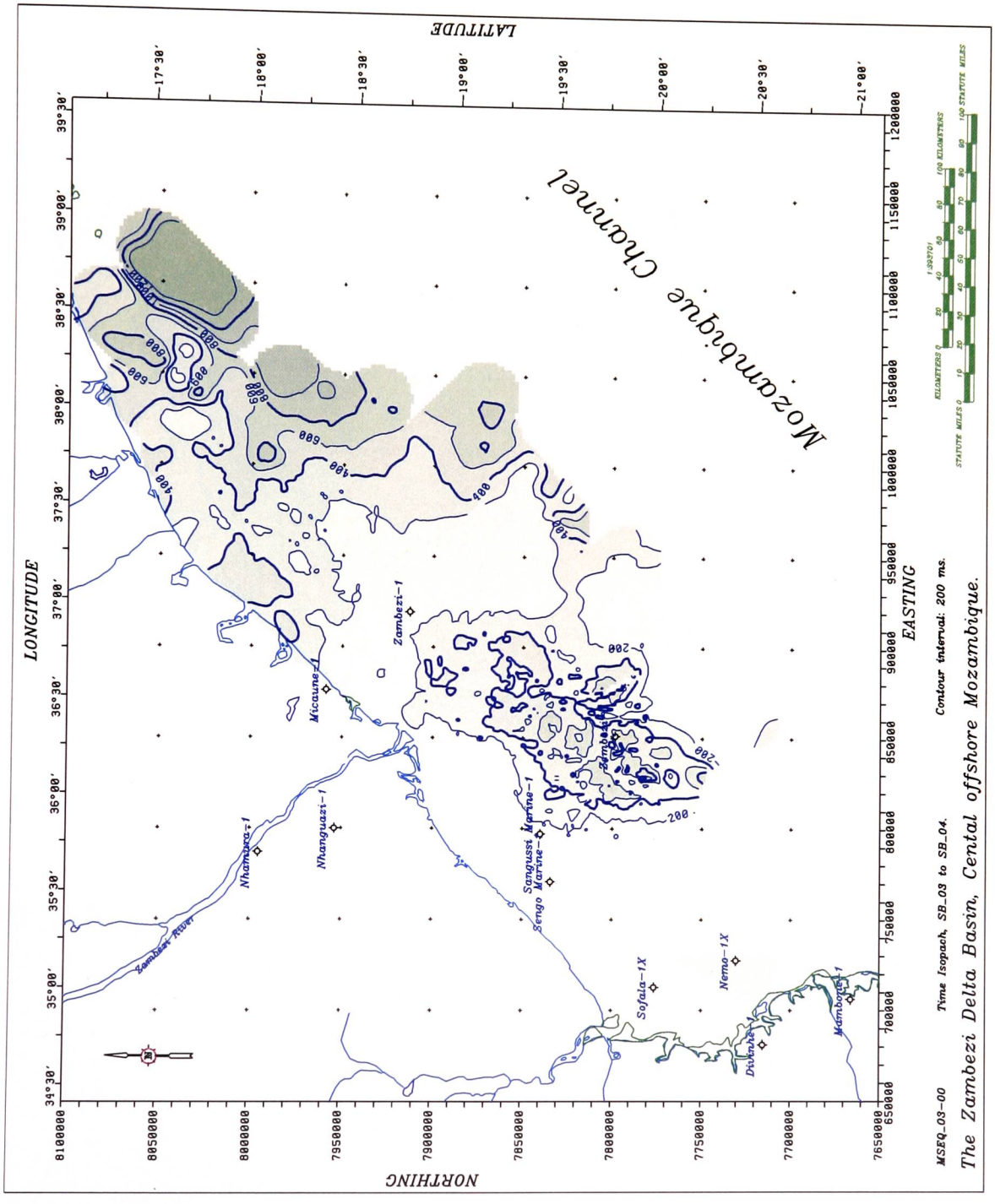

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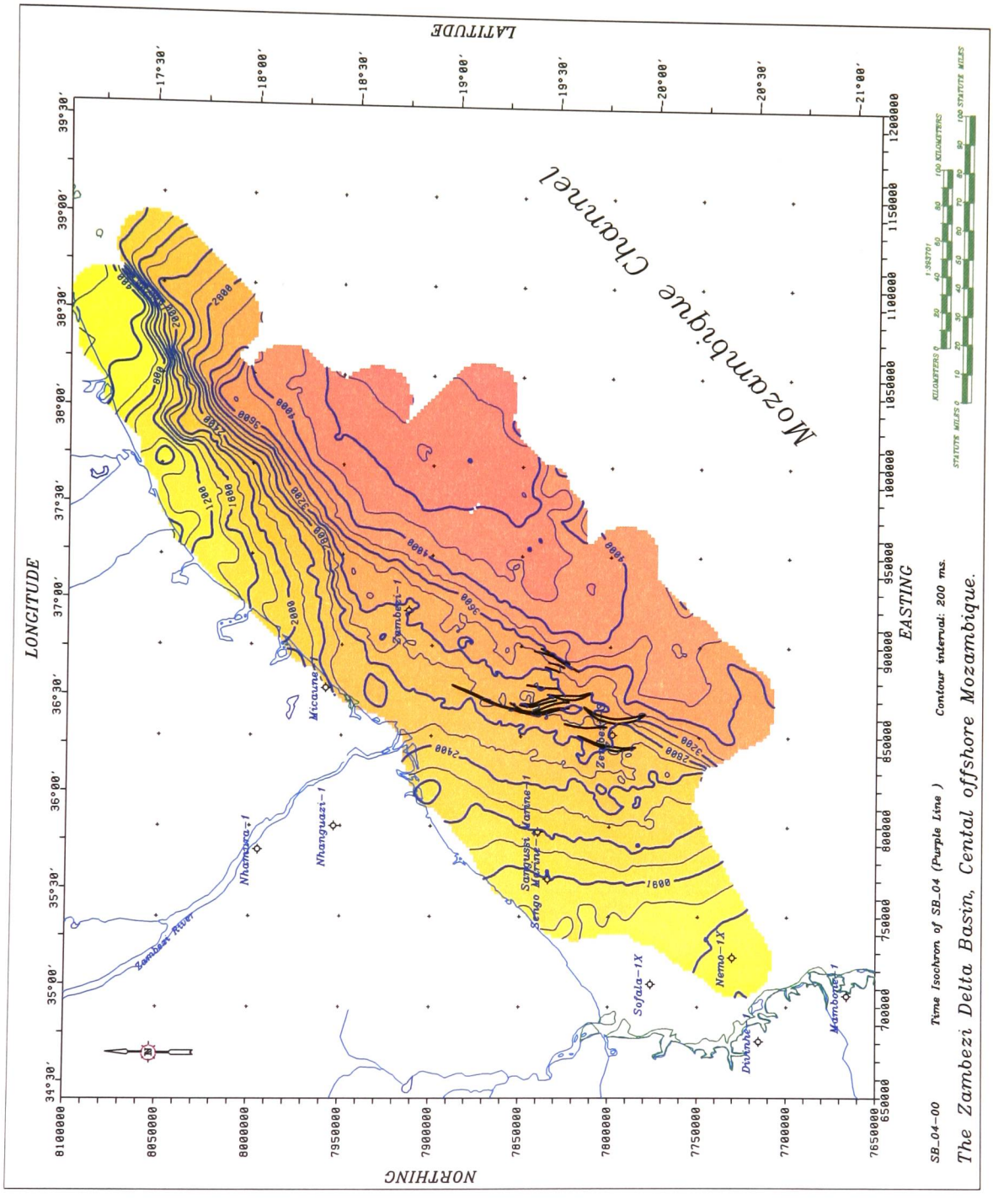

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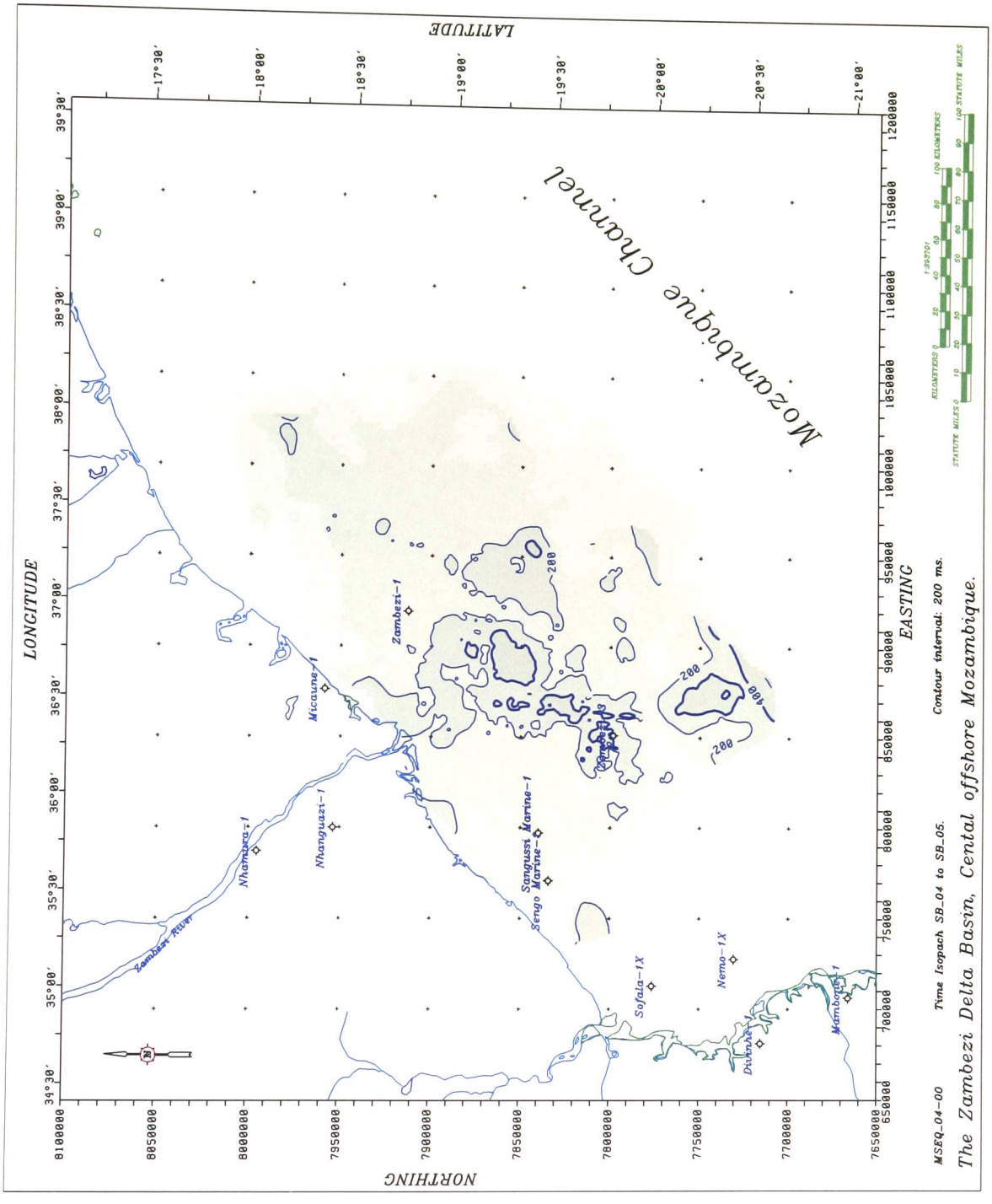

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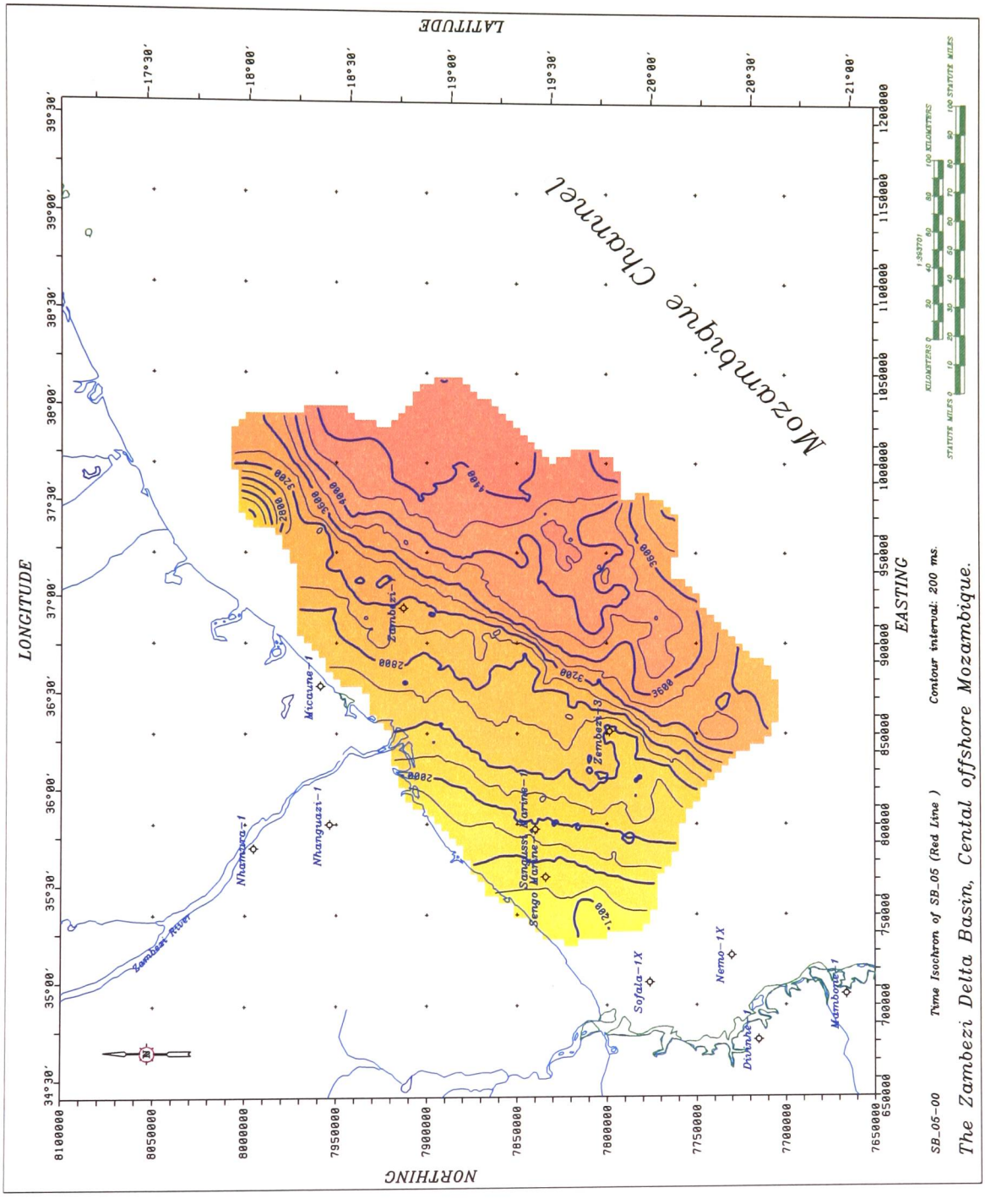

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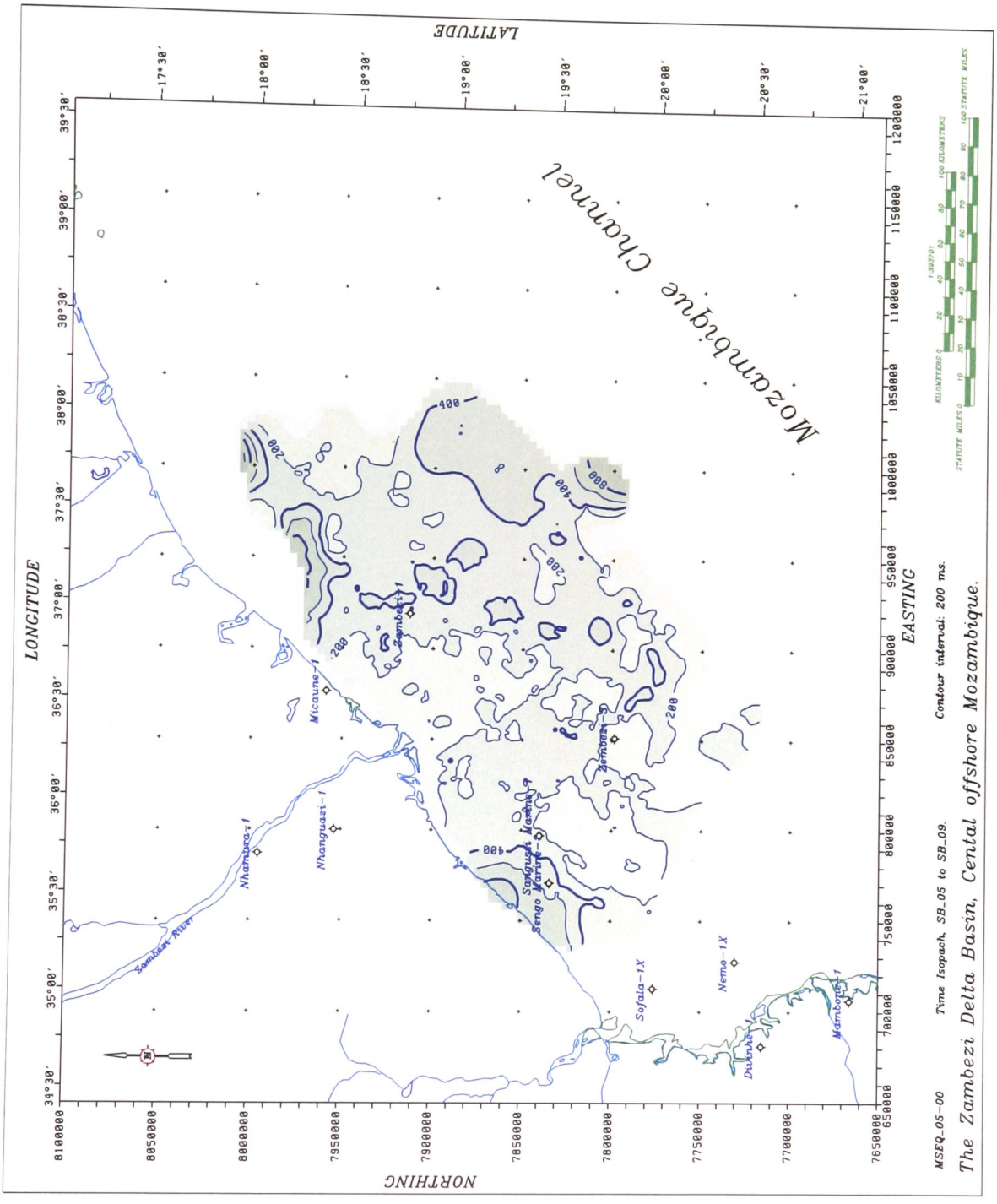

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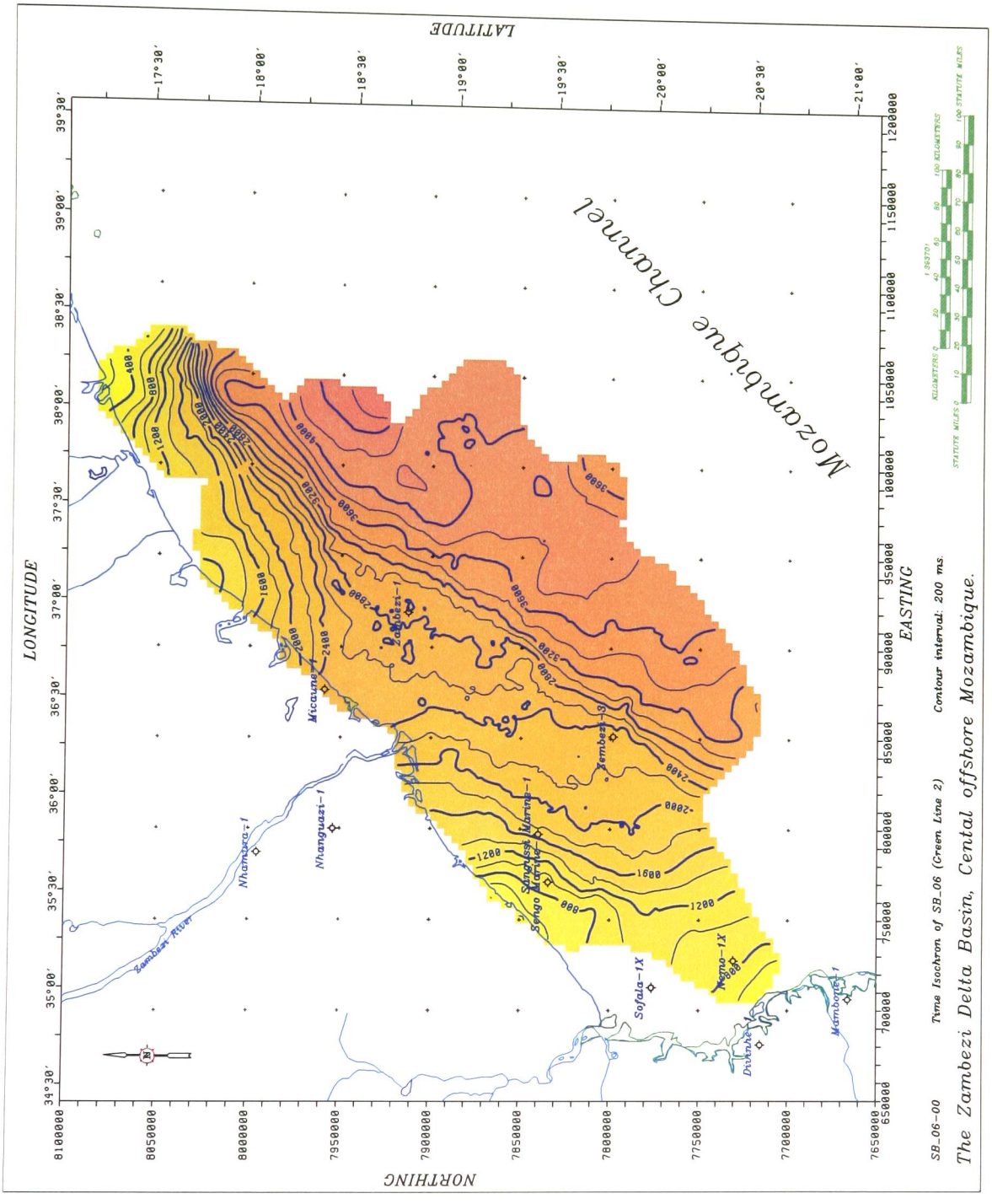

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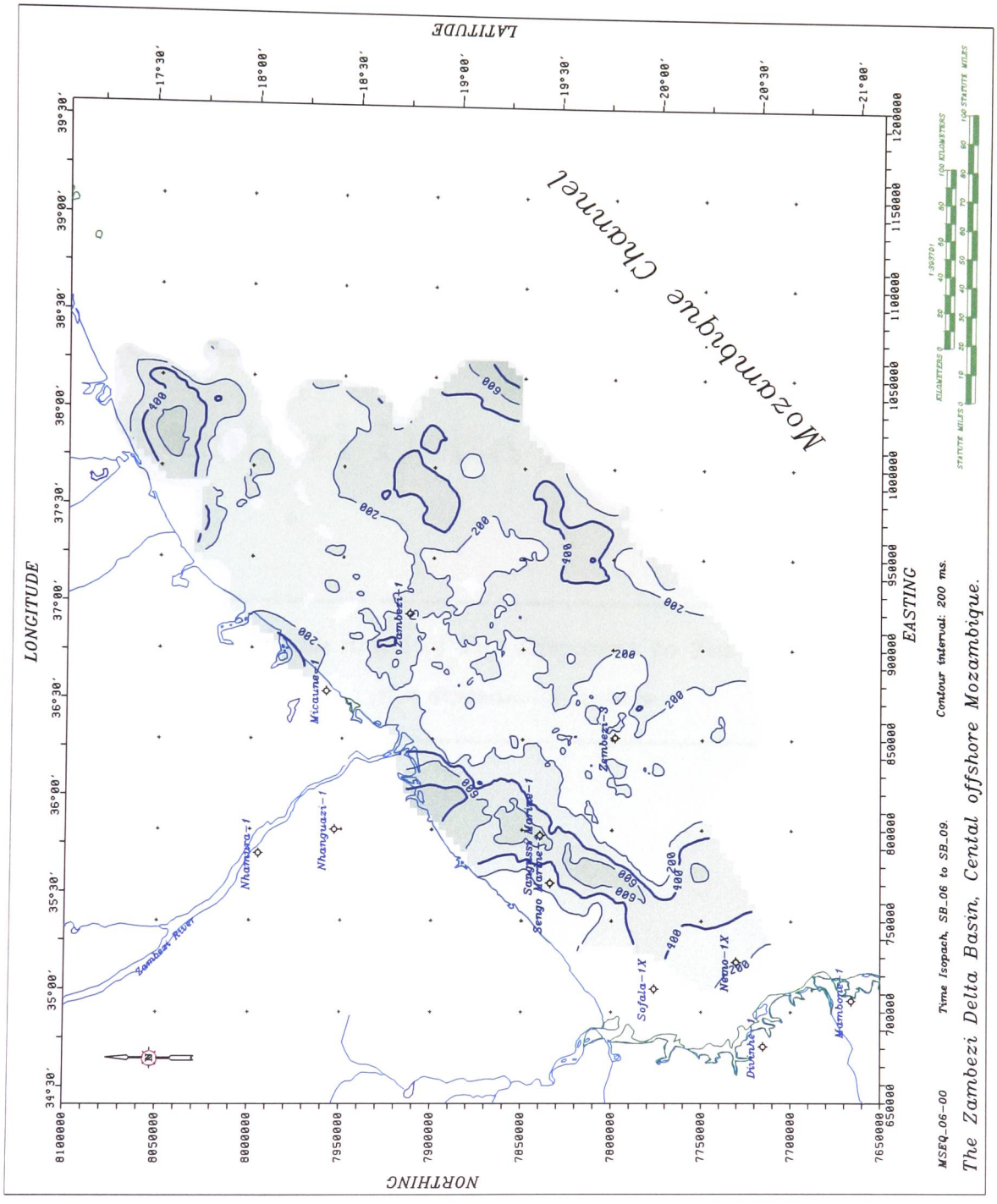

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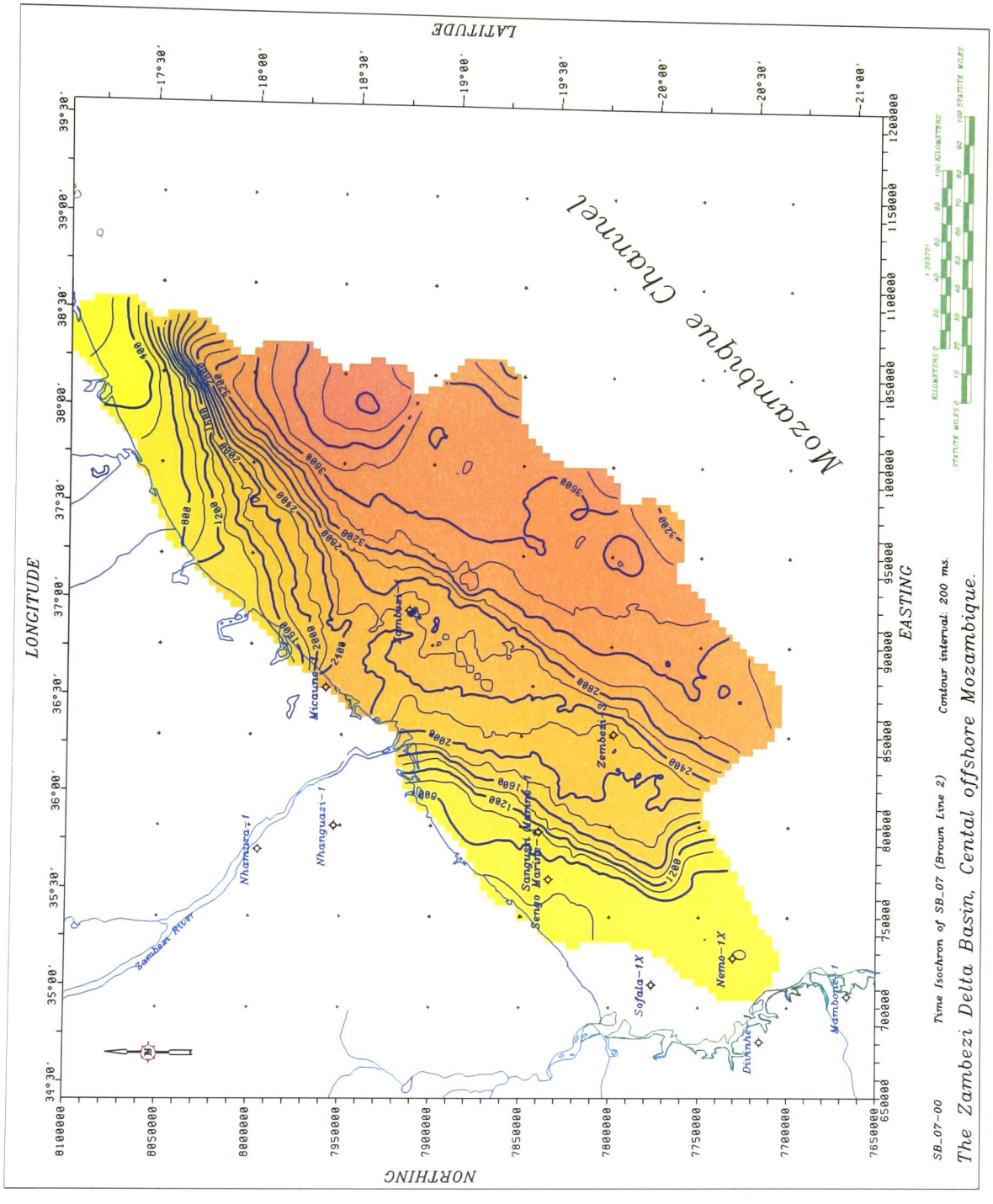
Appendix B

Top Oligocene to Top Middle Miocene sedimentary succession of the Zambezi Delta Basin.

Isochron and isopach maps of Top Oligocene to Top Middle Miocene sedimentary succession (five depositional cycles).



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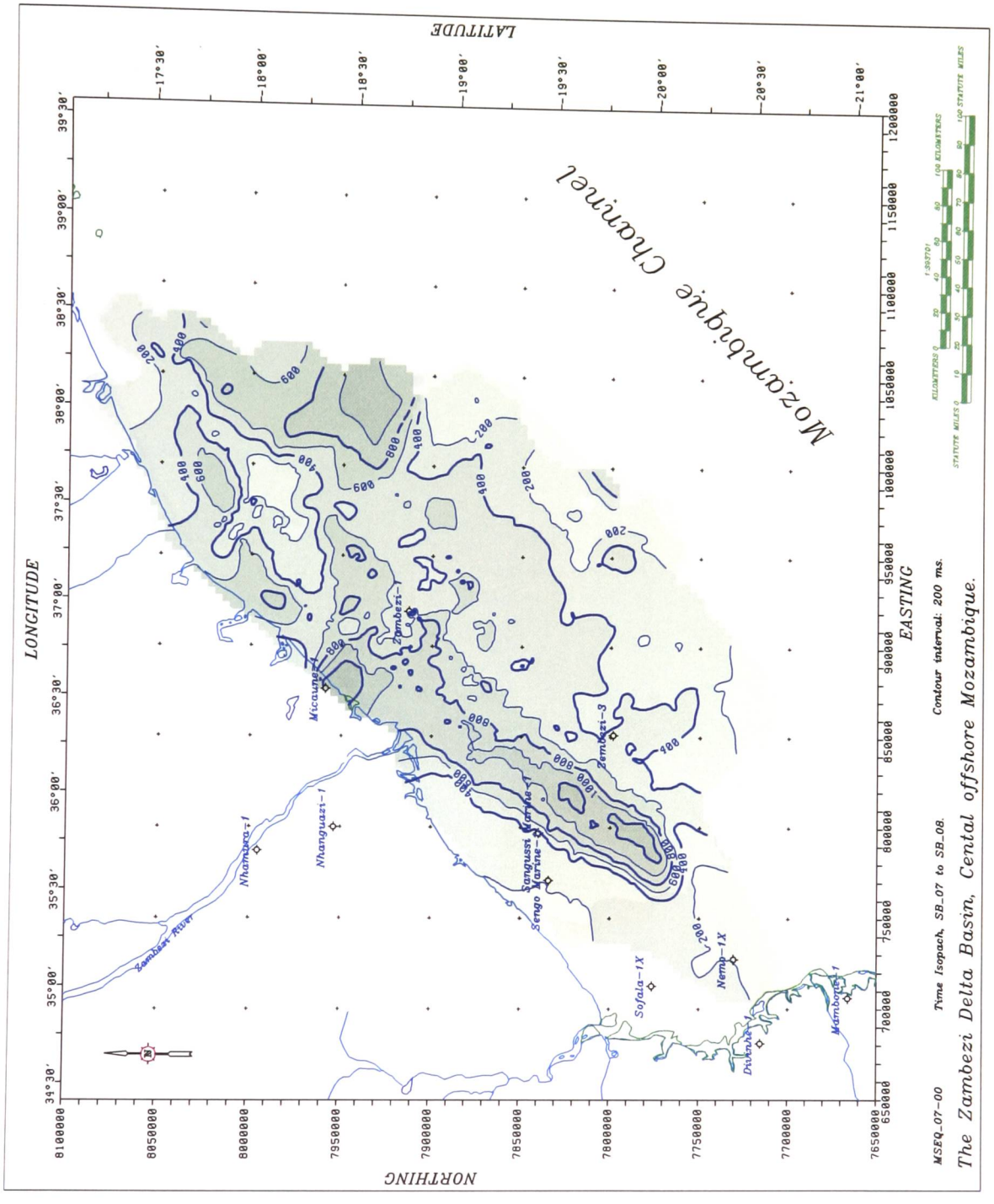

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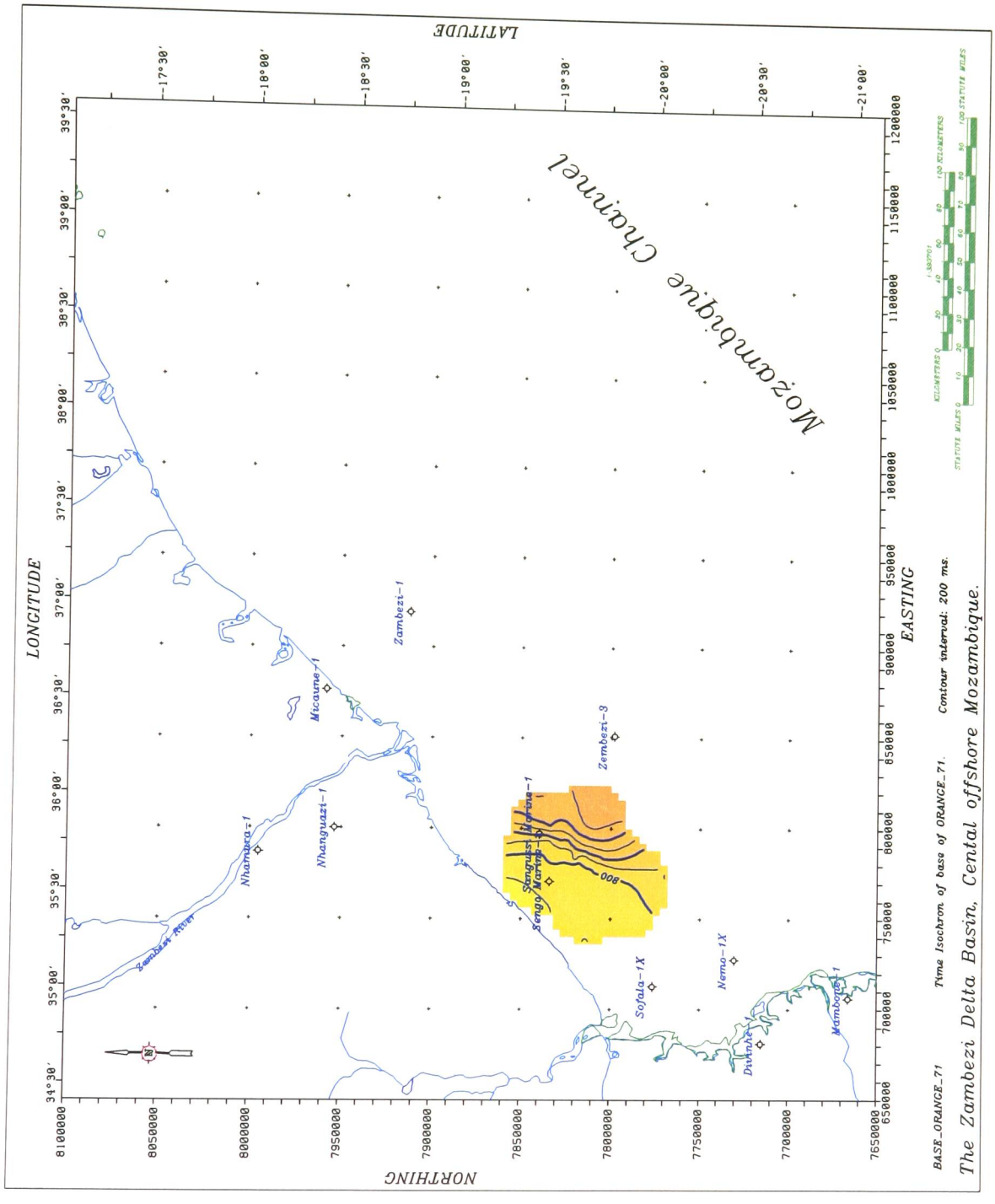


Figure B.3: Time isochron map of parasequence B1:2-1.

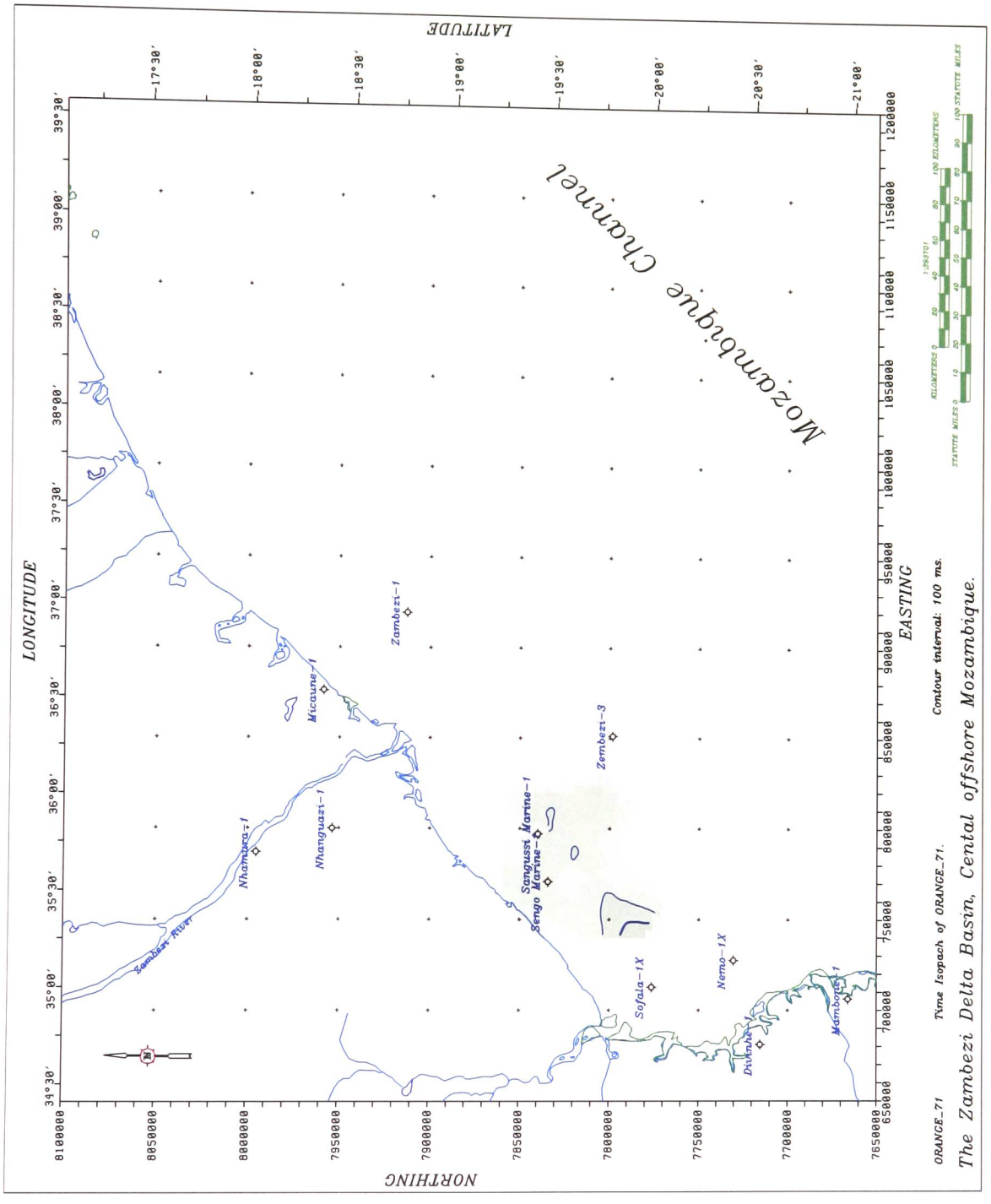
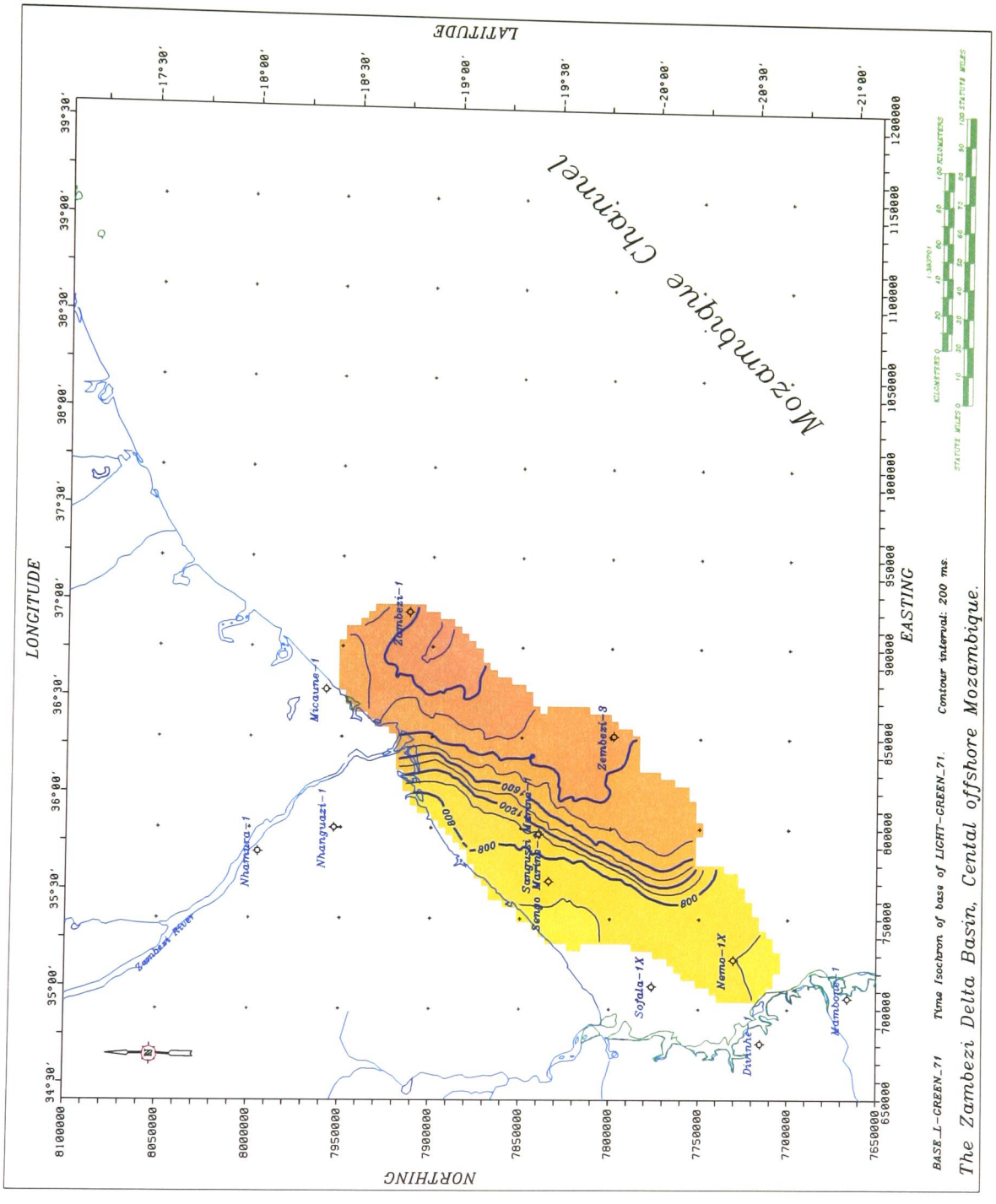


Figure B.4: Time isopach map of parasequence B1:2-1.



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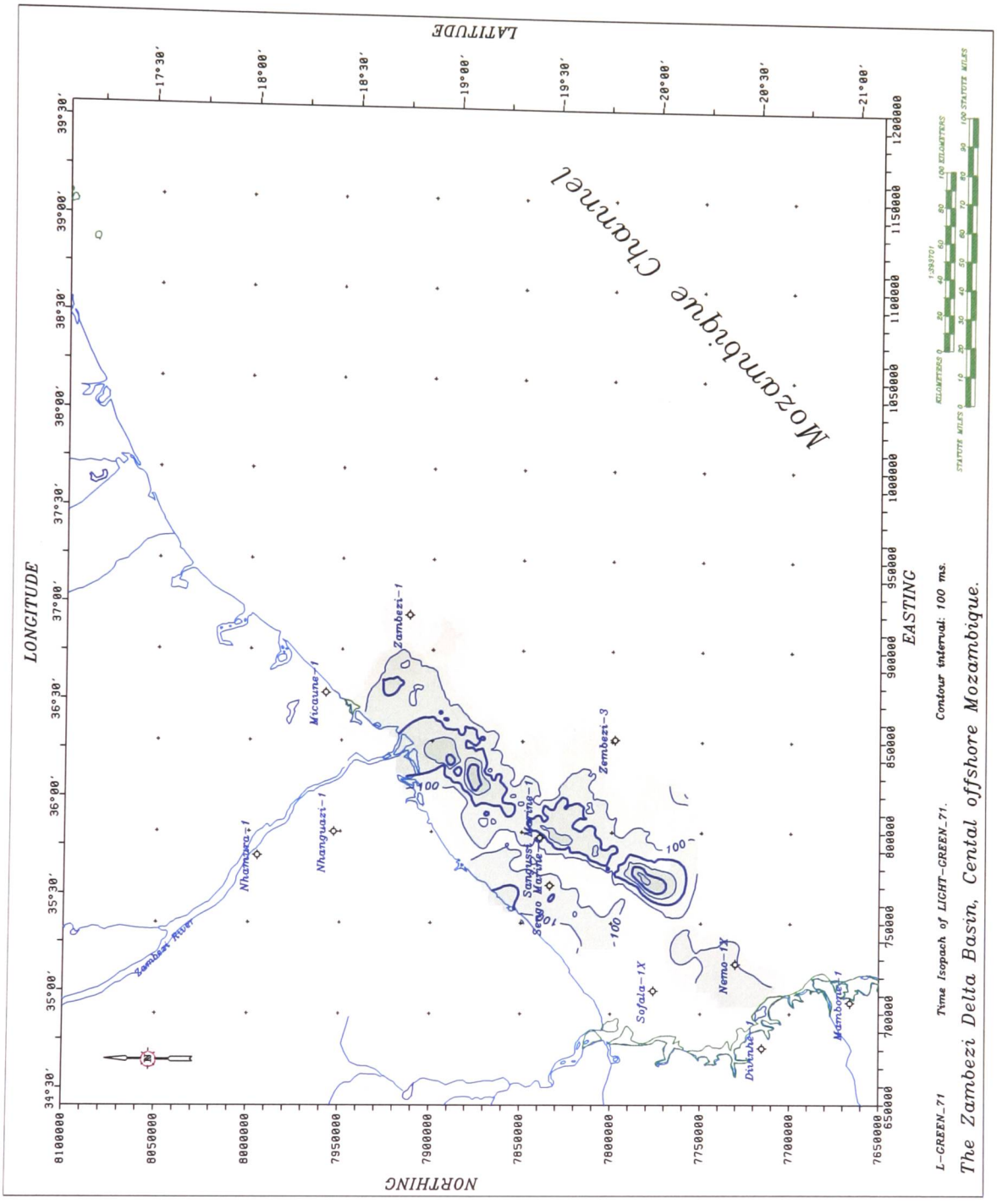

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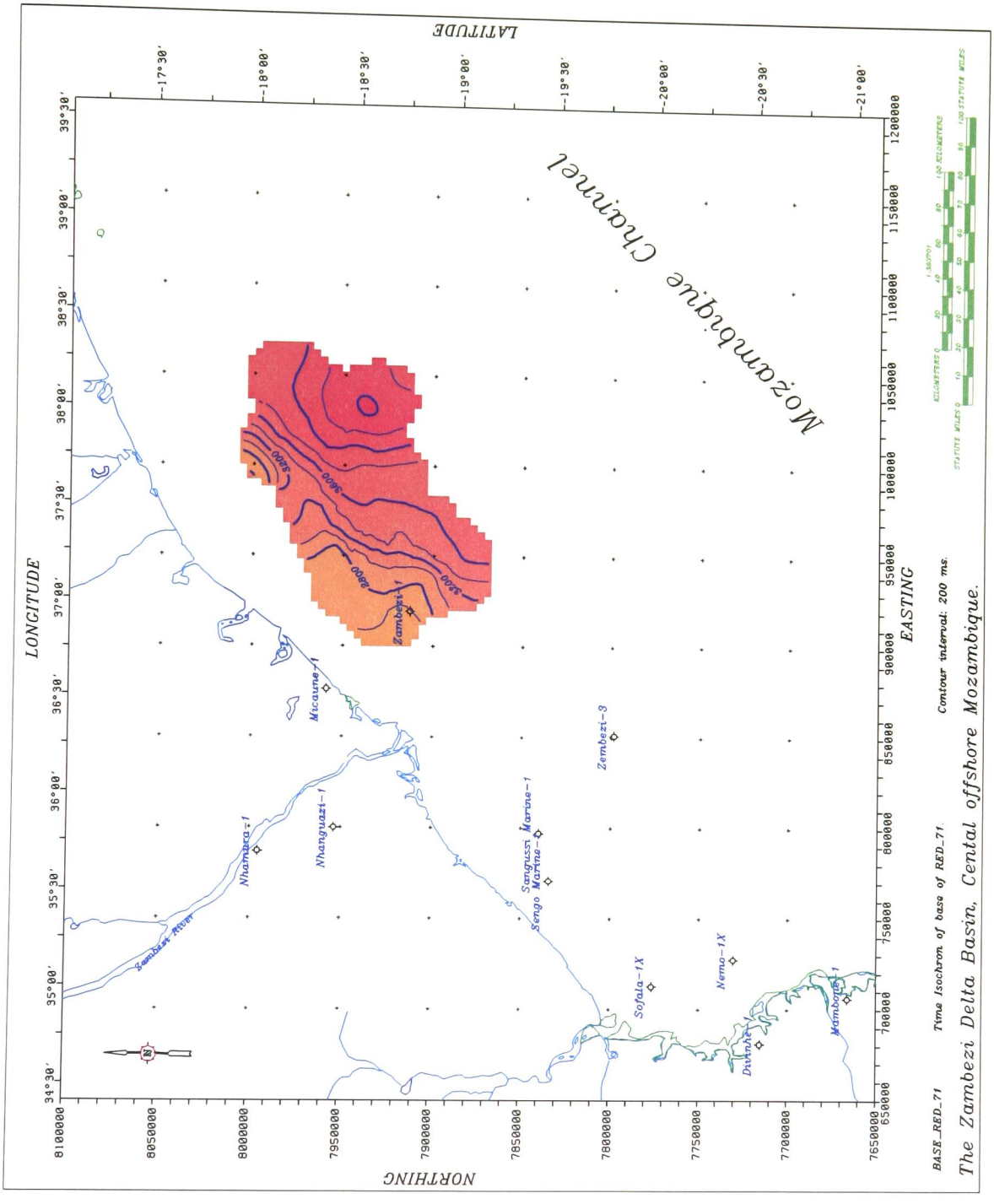

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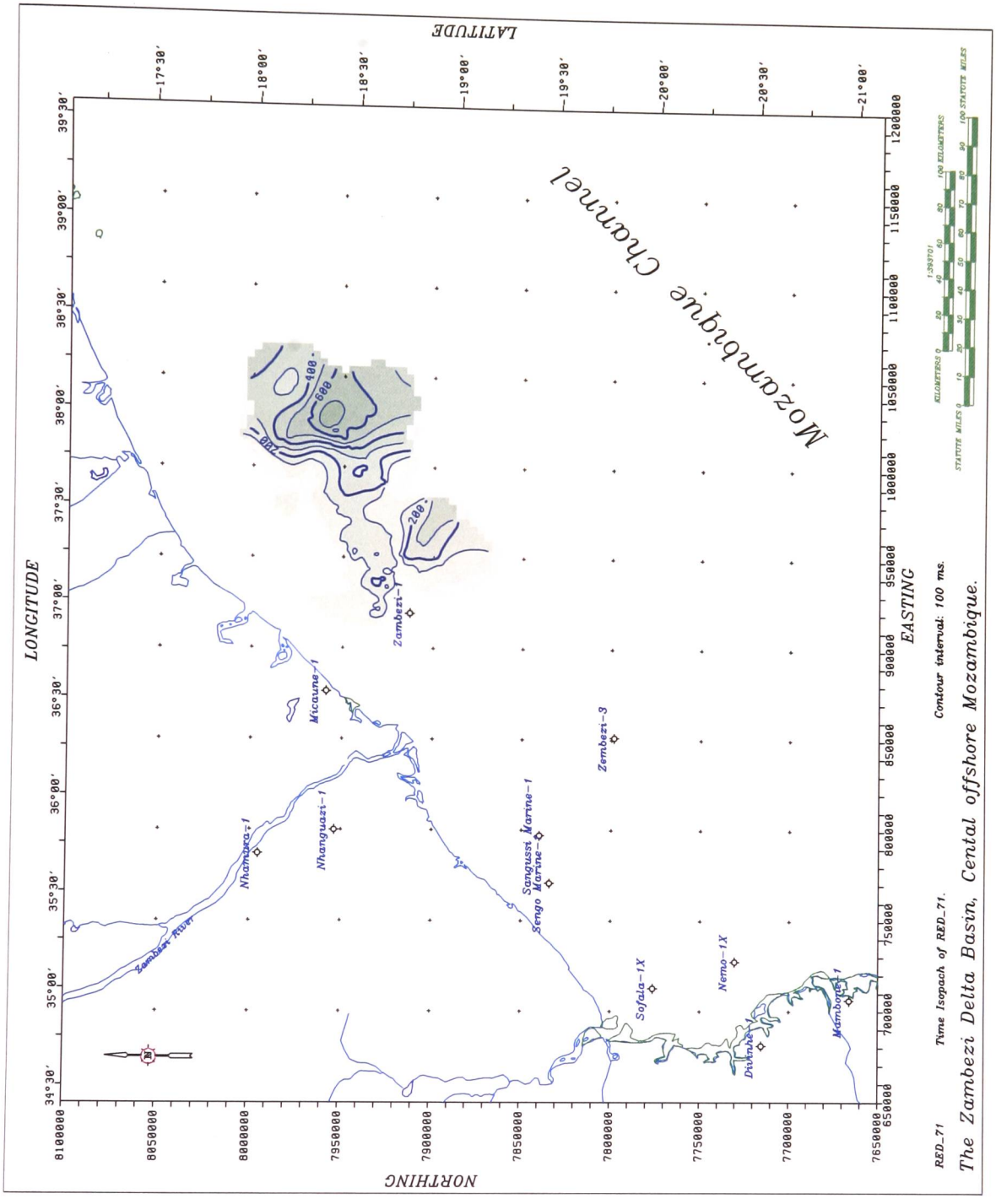
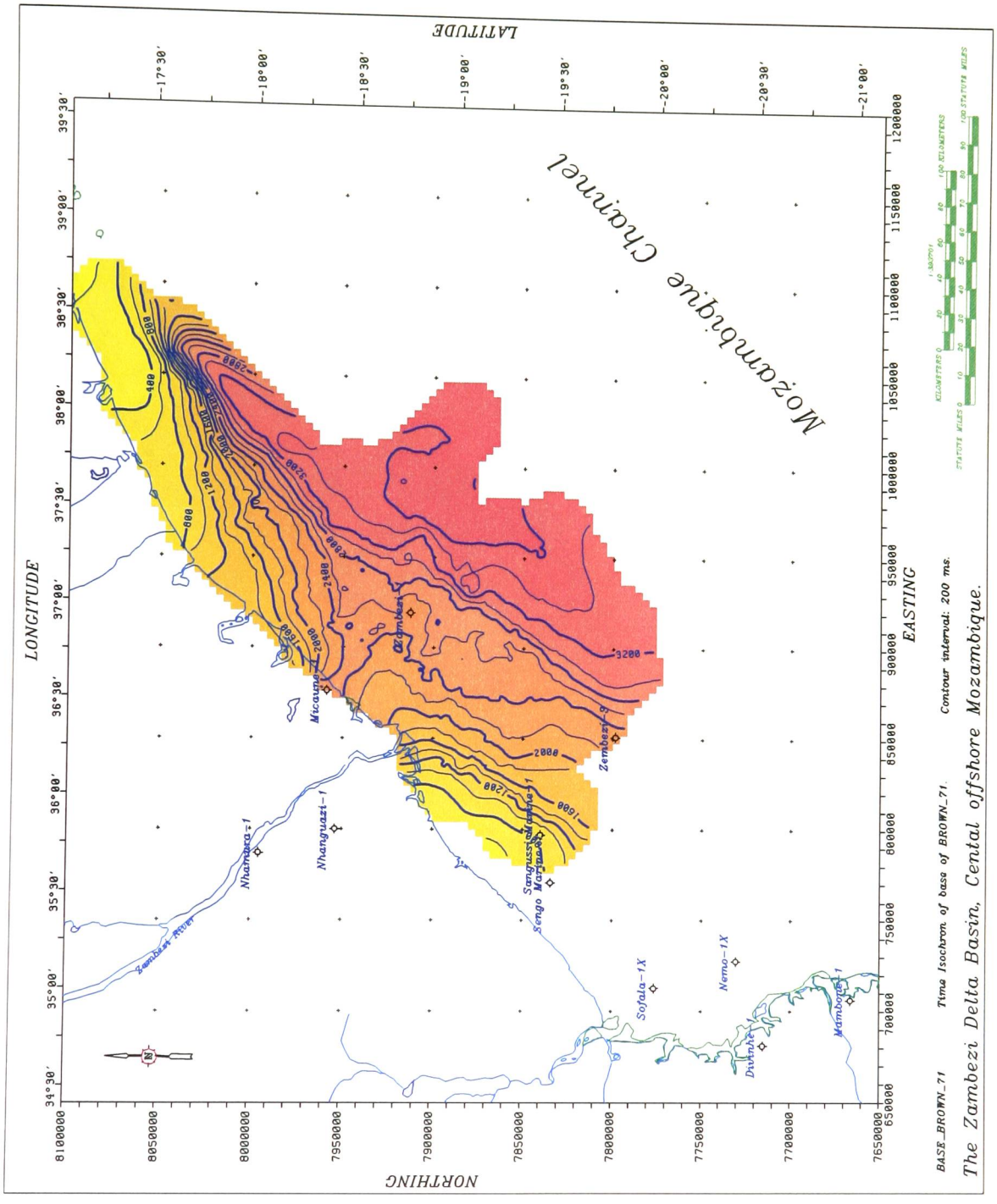


Figure B.8: Time isopach map of parasequence B2:3-1.



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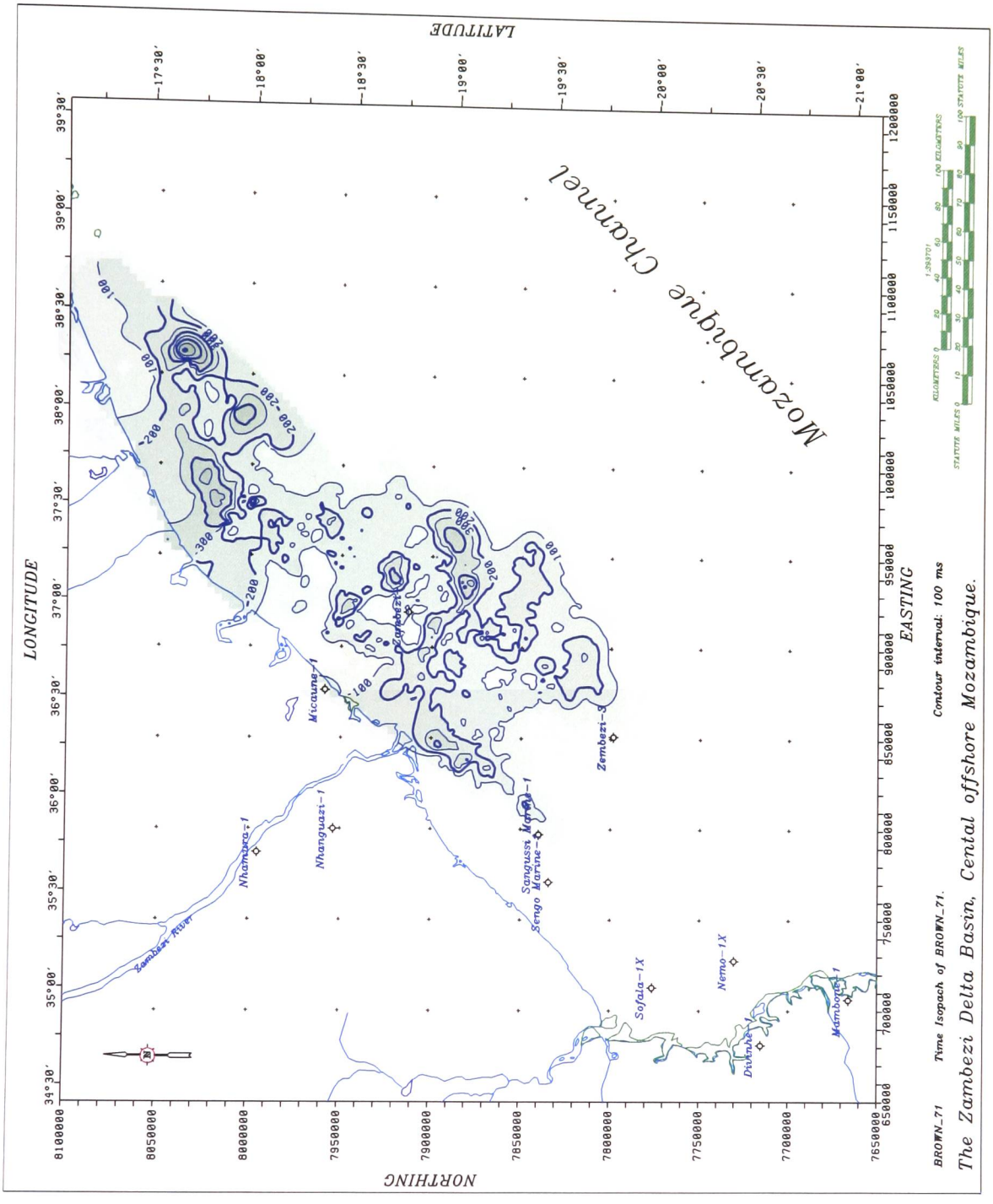

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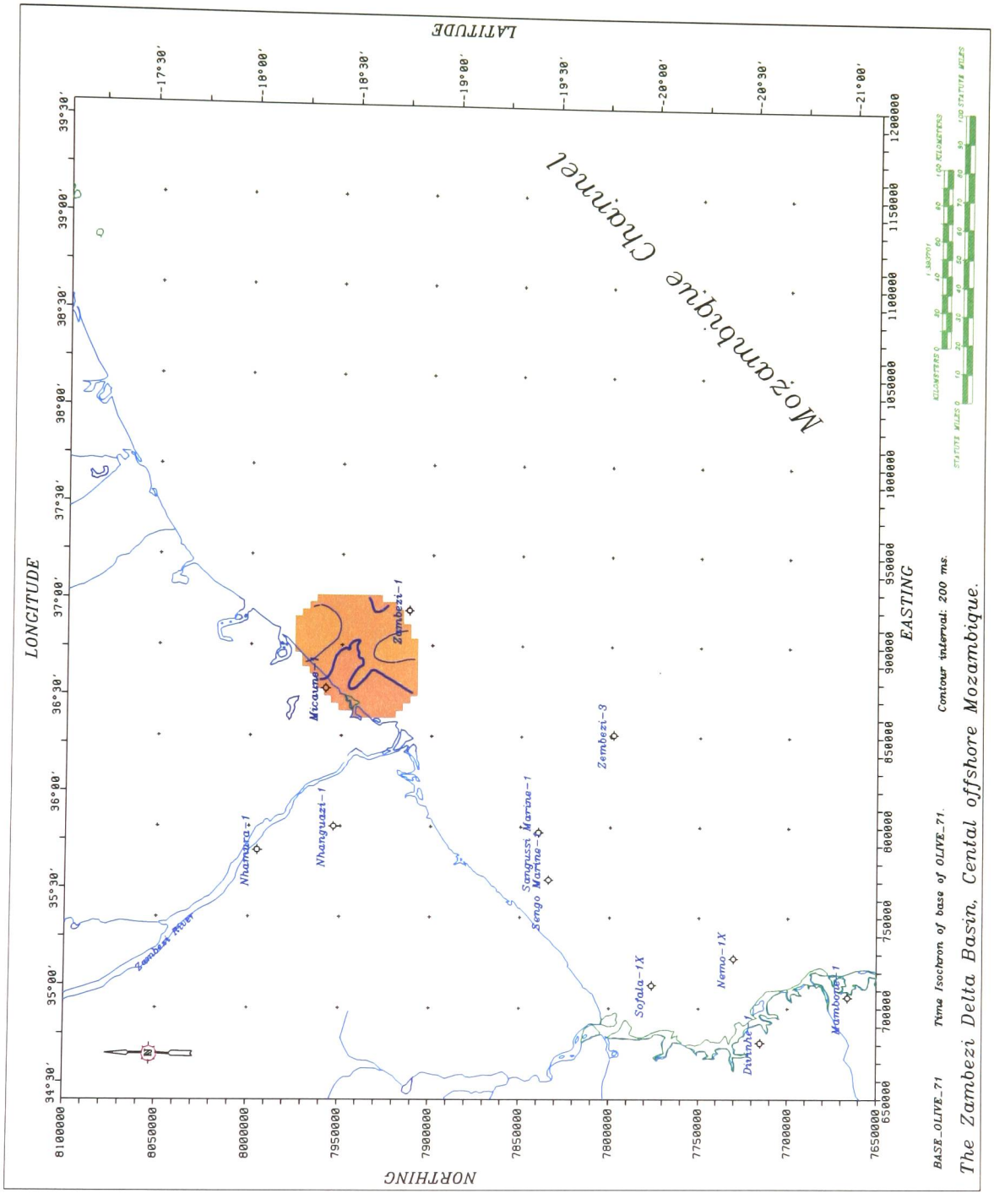

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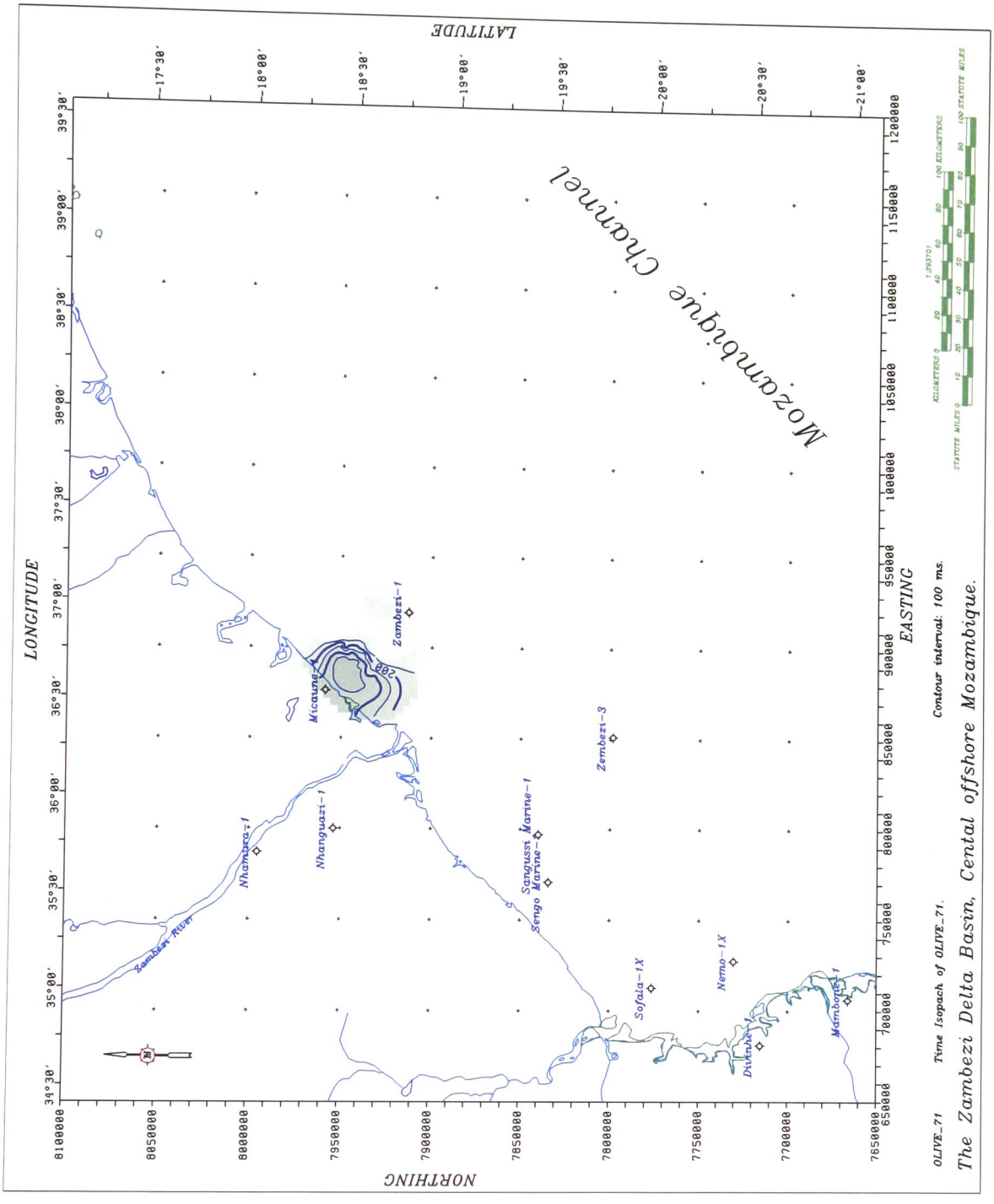

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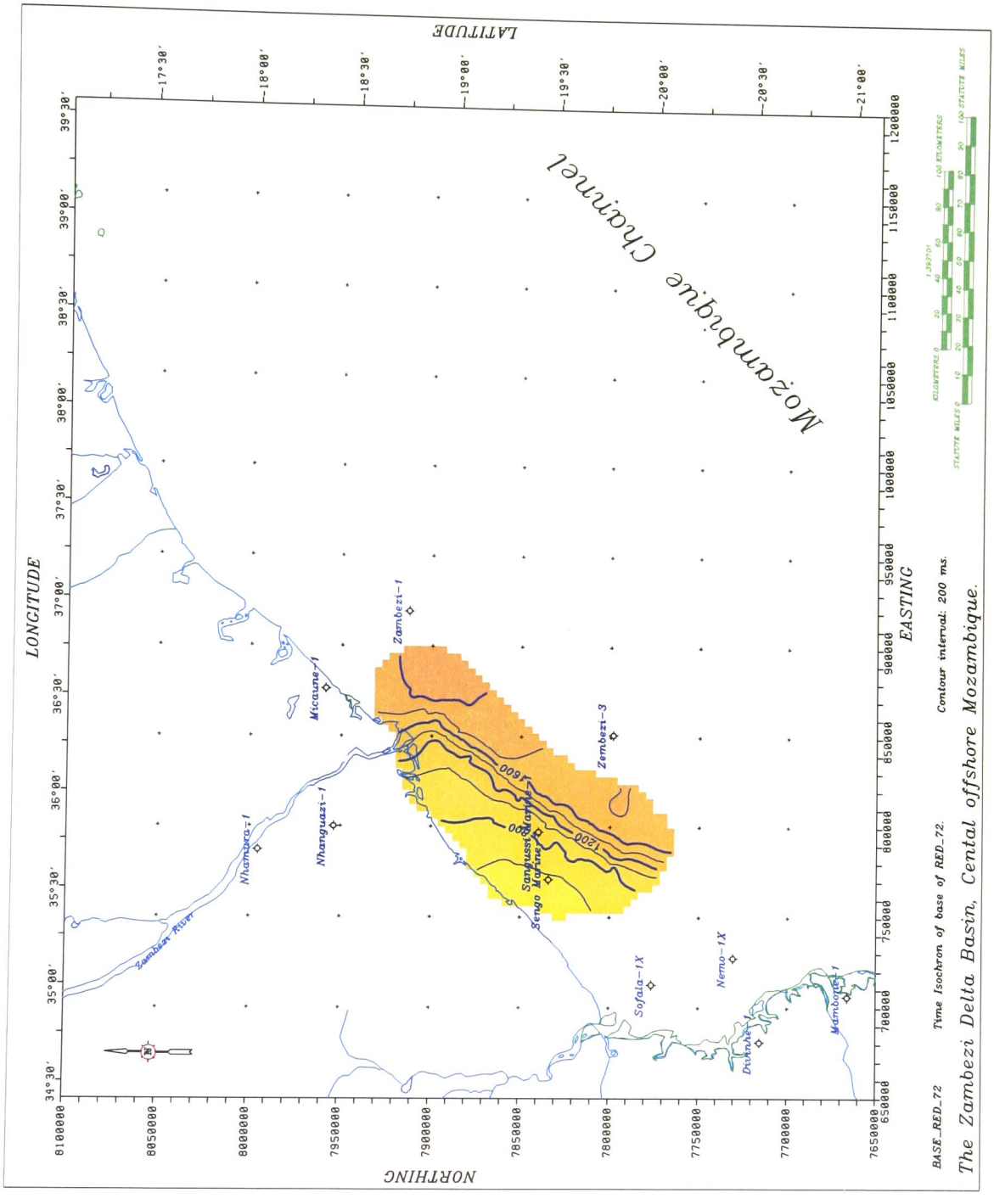


Figure B.13: Time isochron map of parasequence B3:4-1.

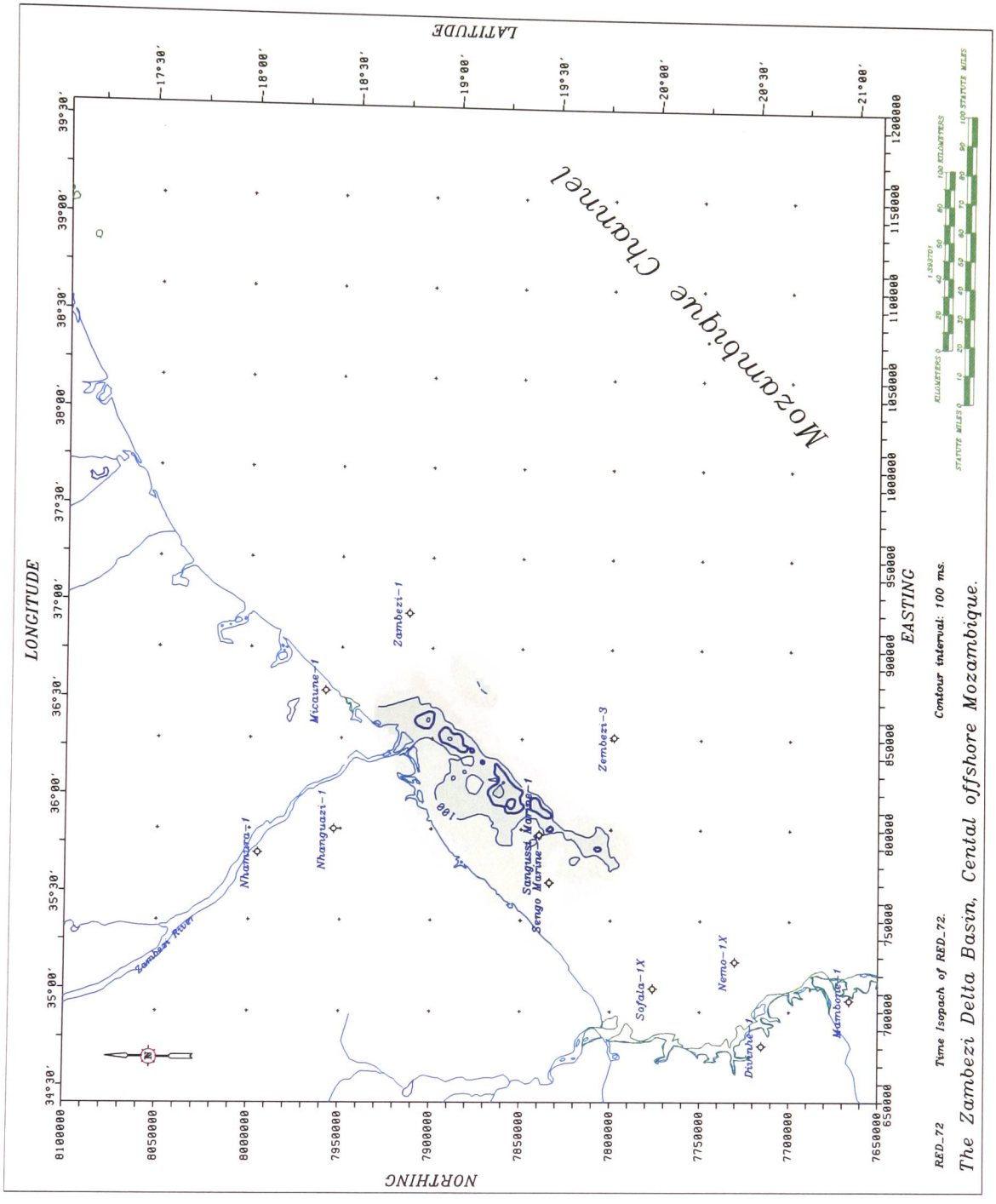
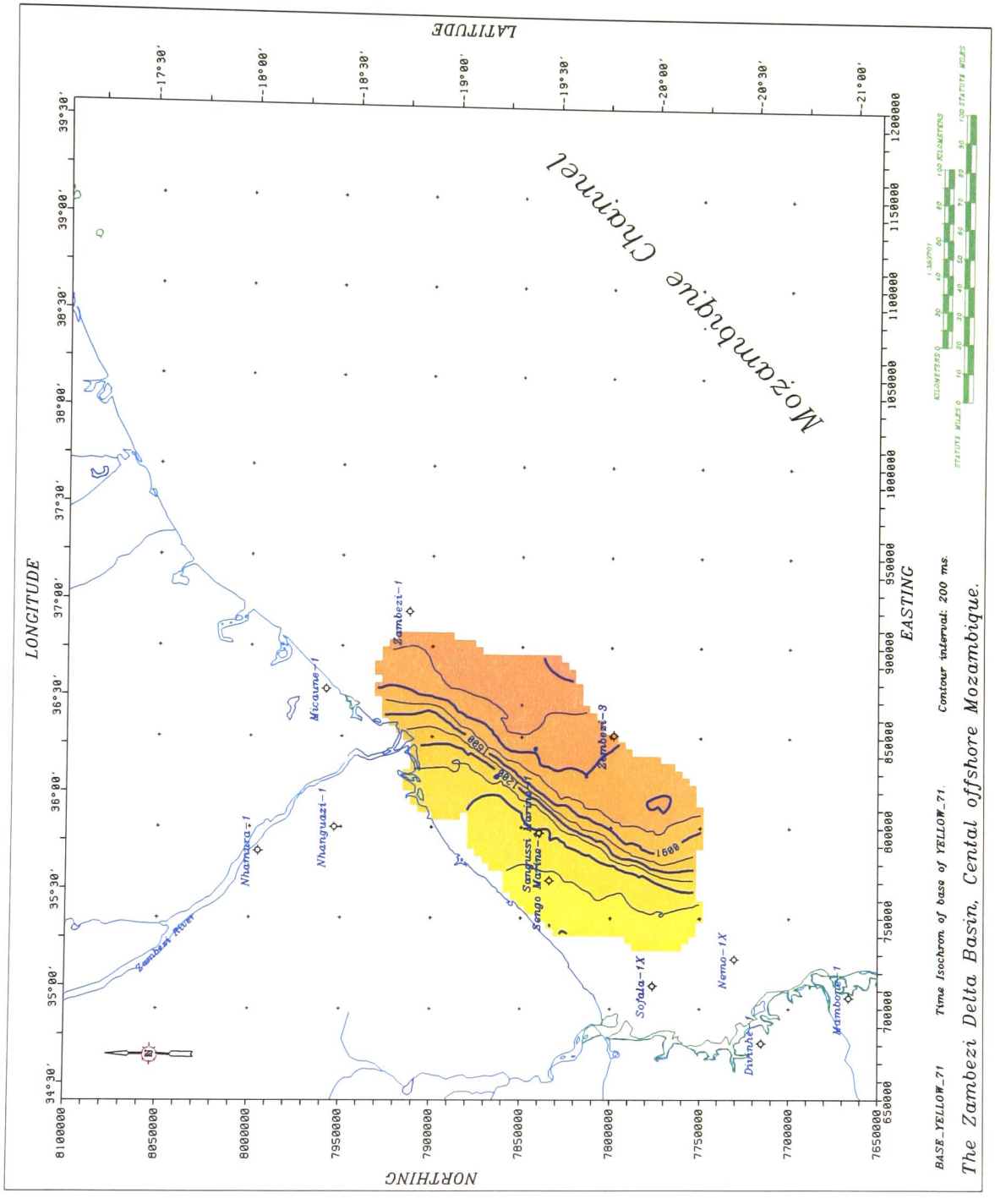


Figure B.14: Time isopach map of parasequence B3:4-1.



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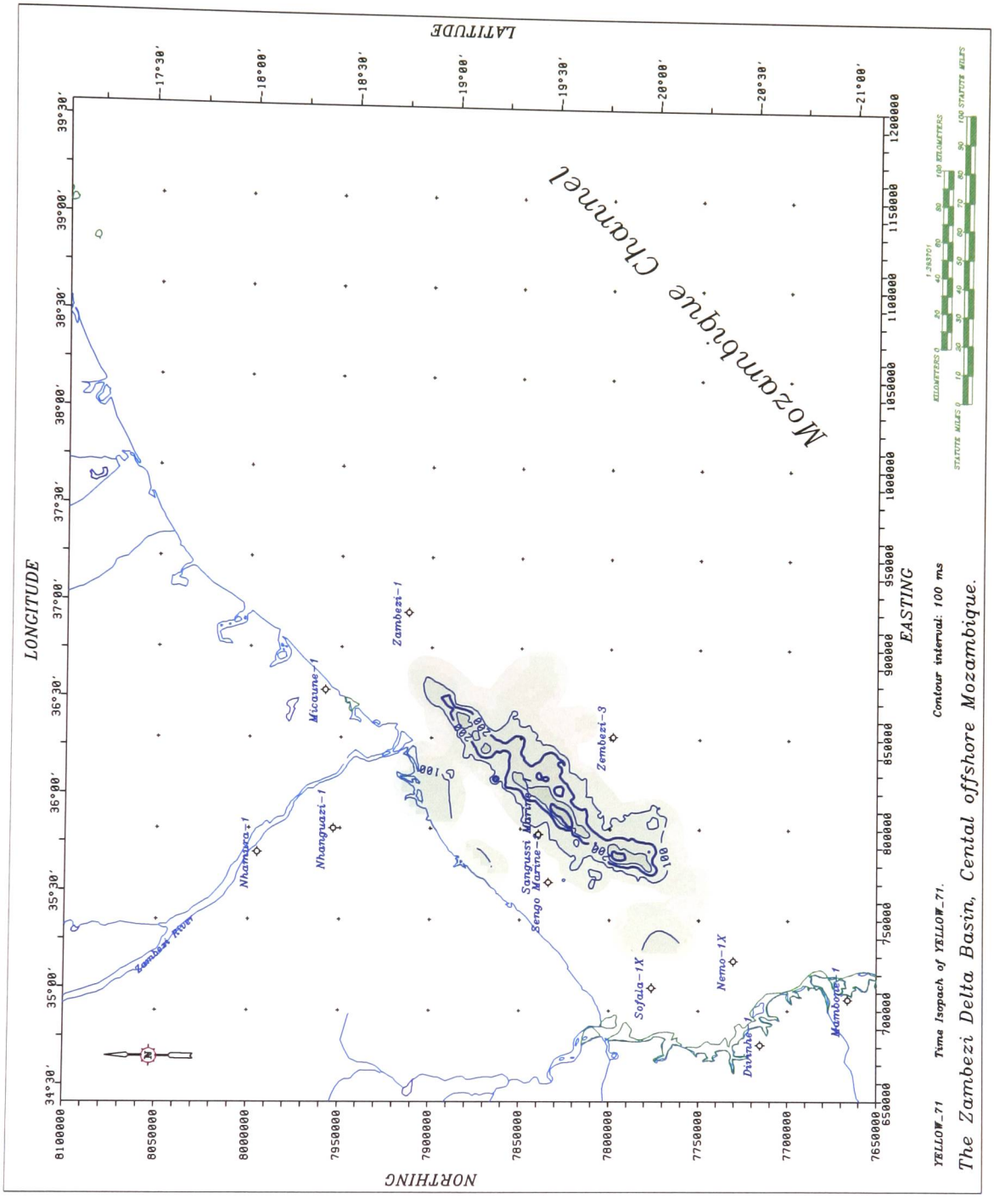

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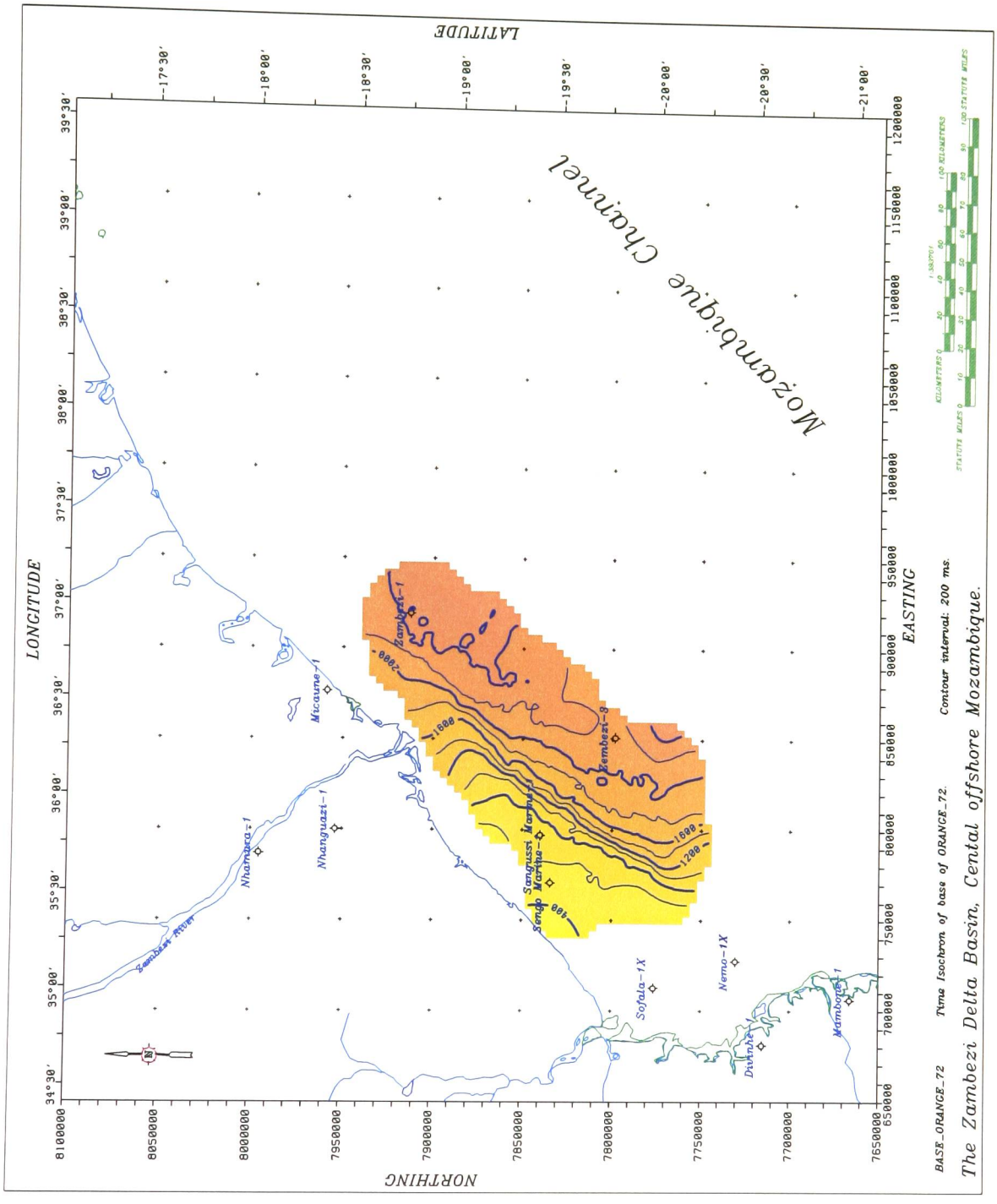

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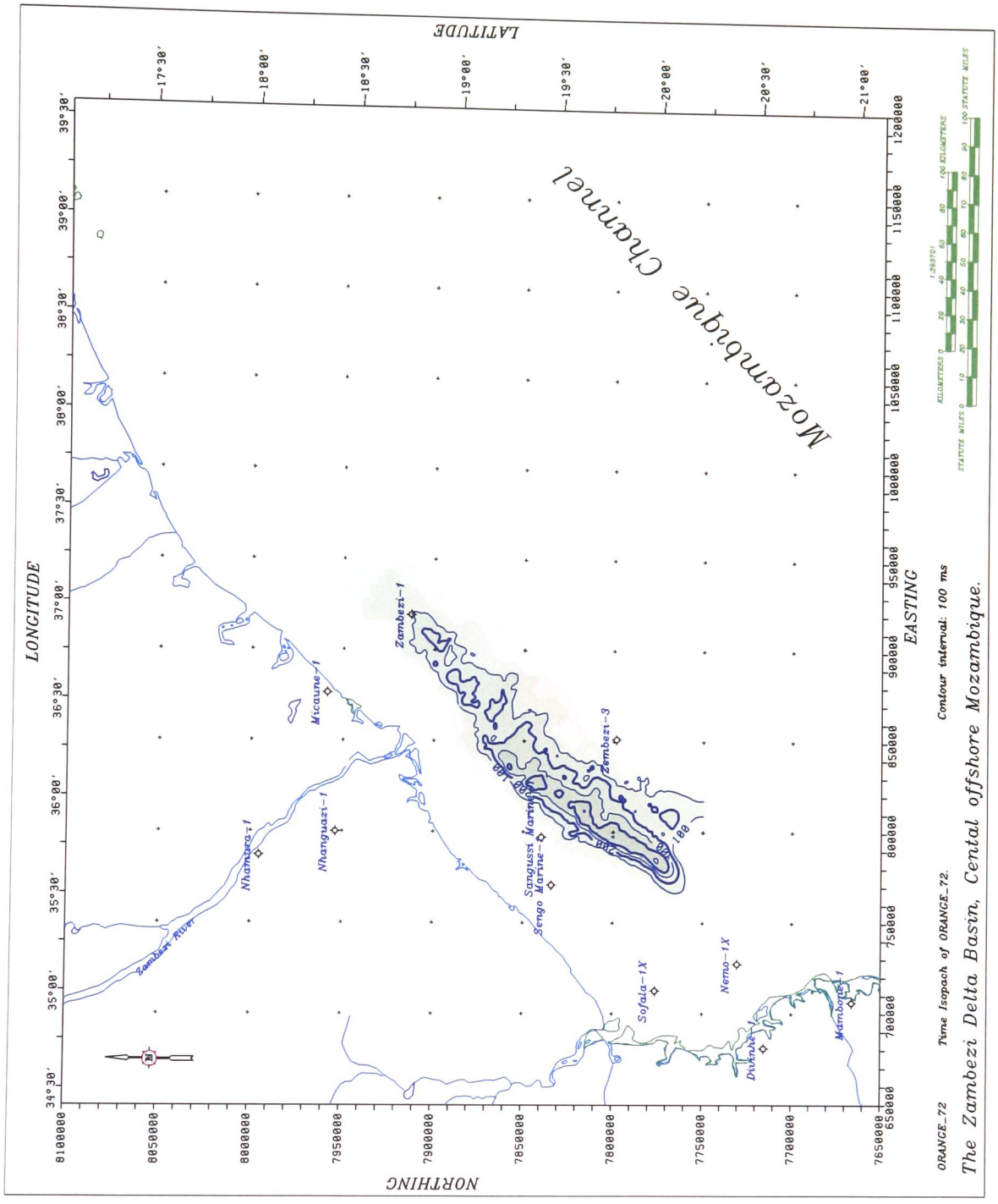
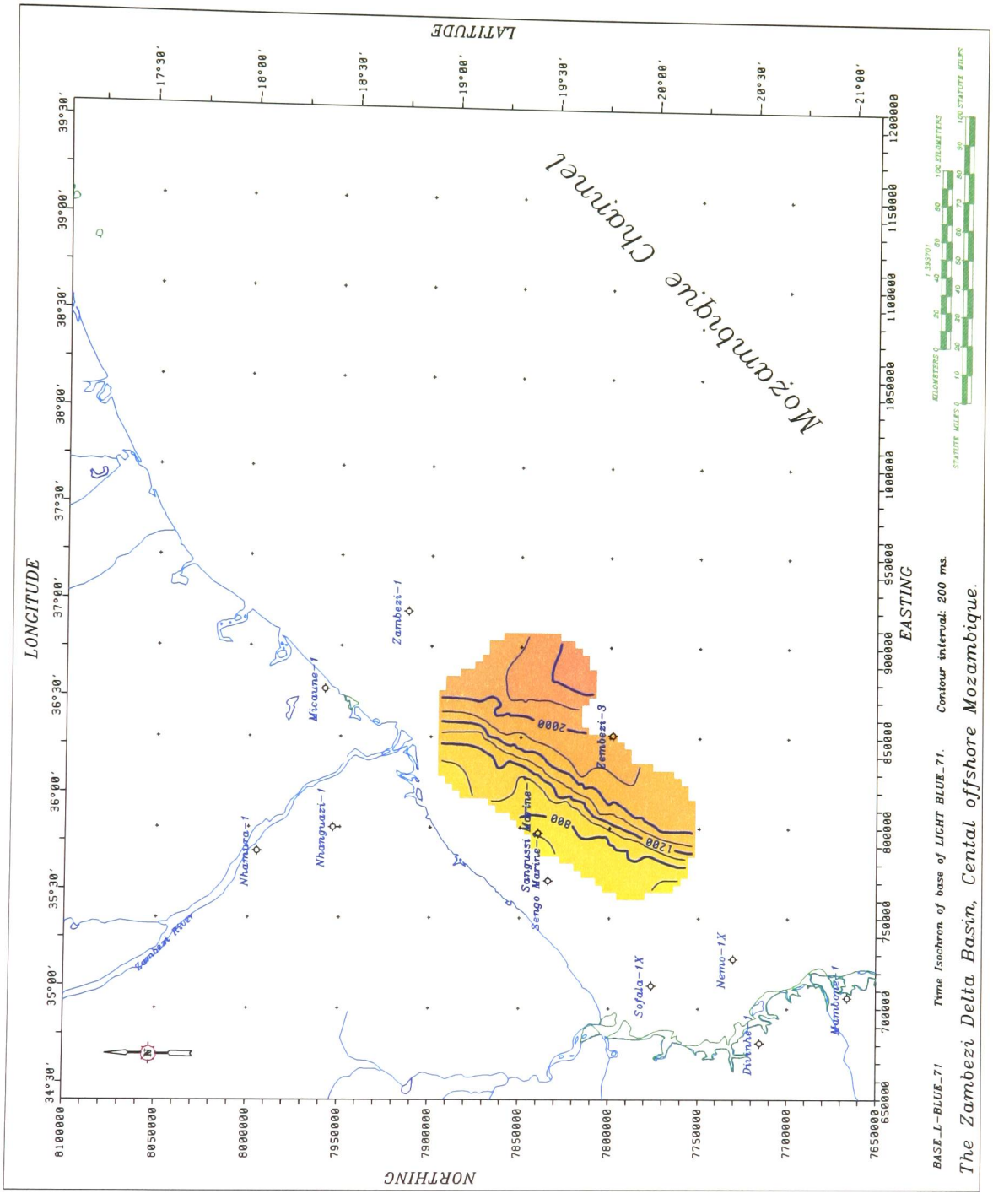


Figure B.18: Time isopach map of parasequence B3:4-3.



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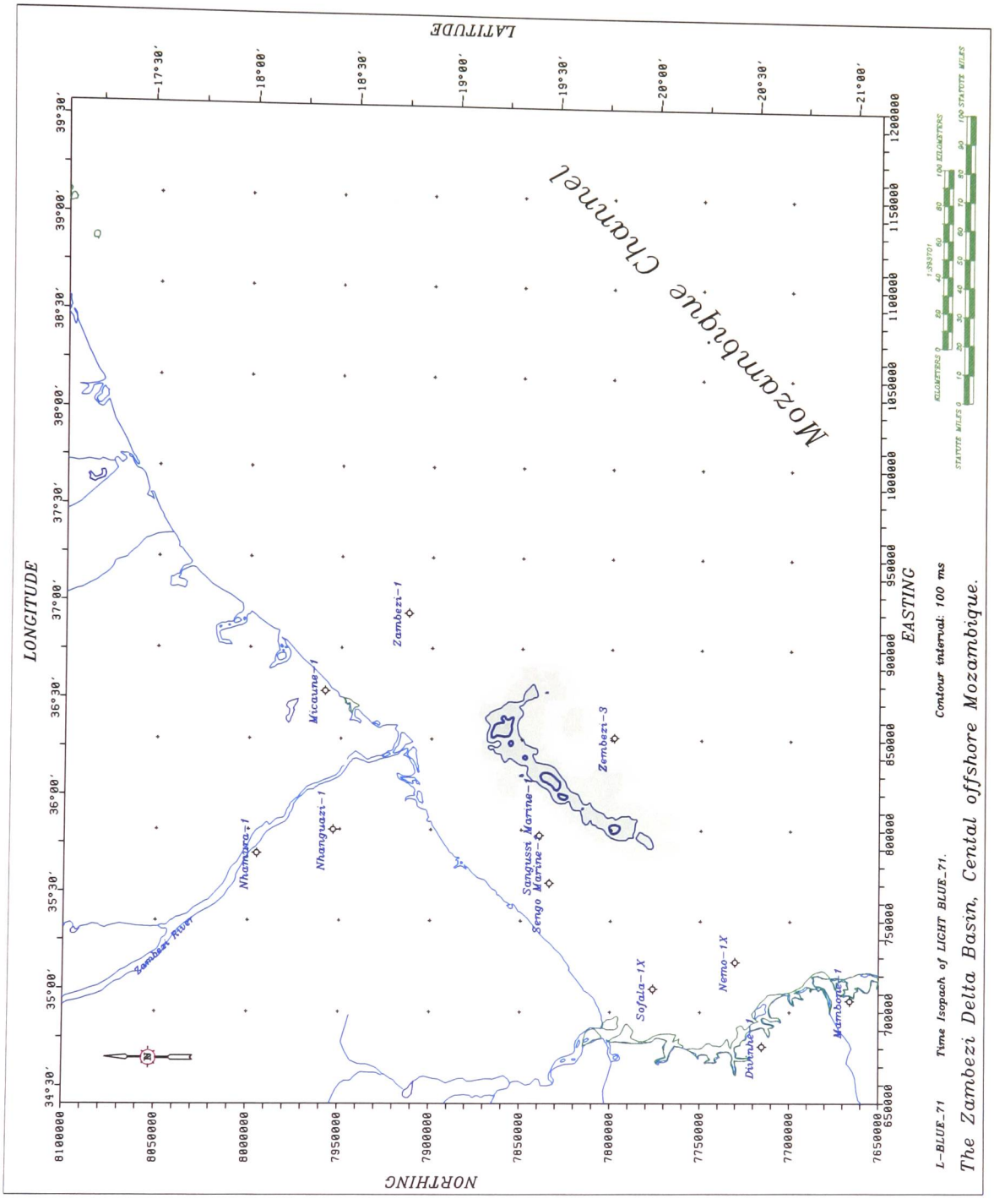

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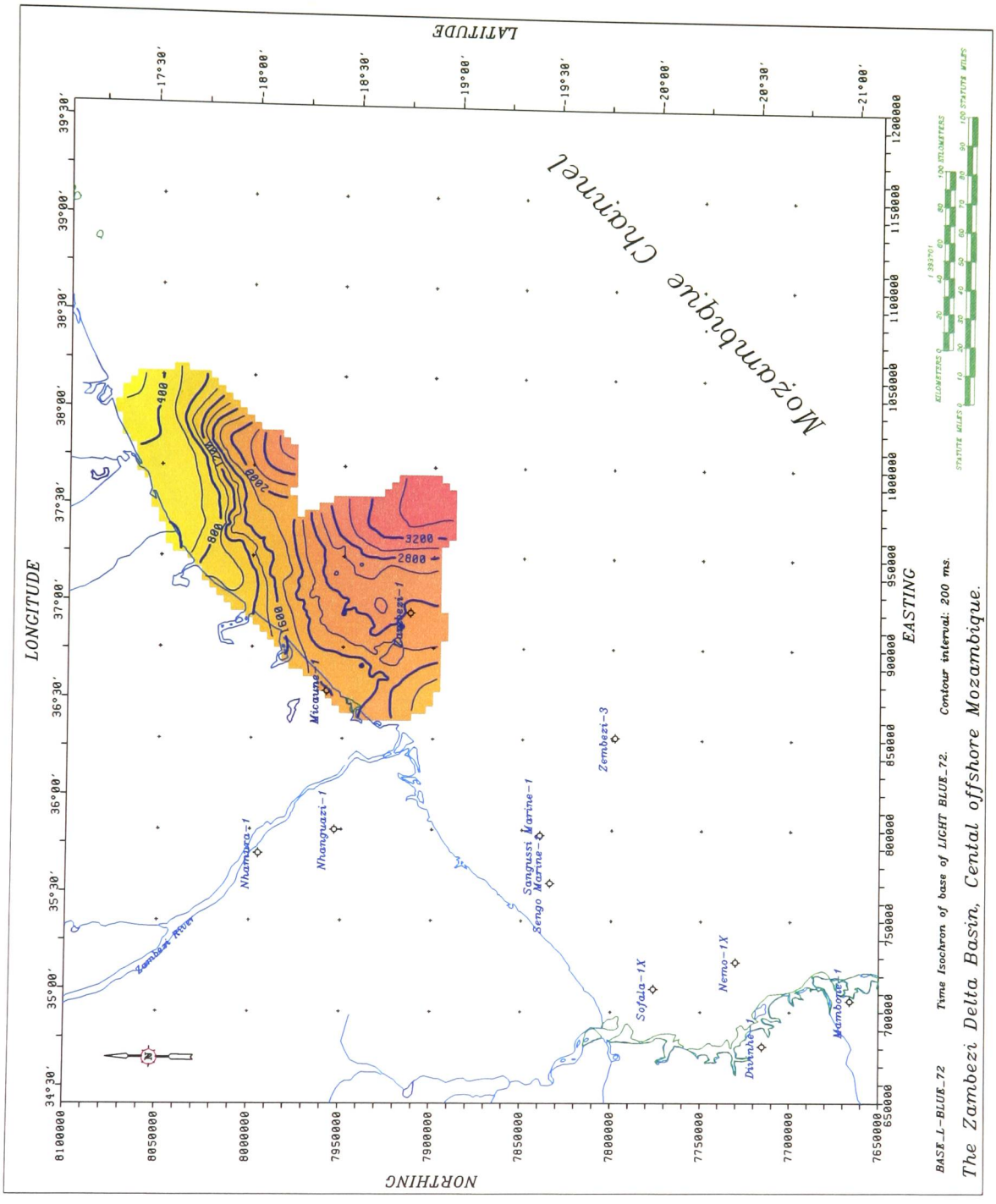

Figure B.21: Time isochron map of parasequence B4:2-1.

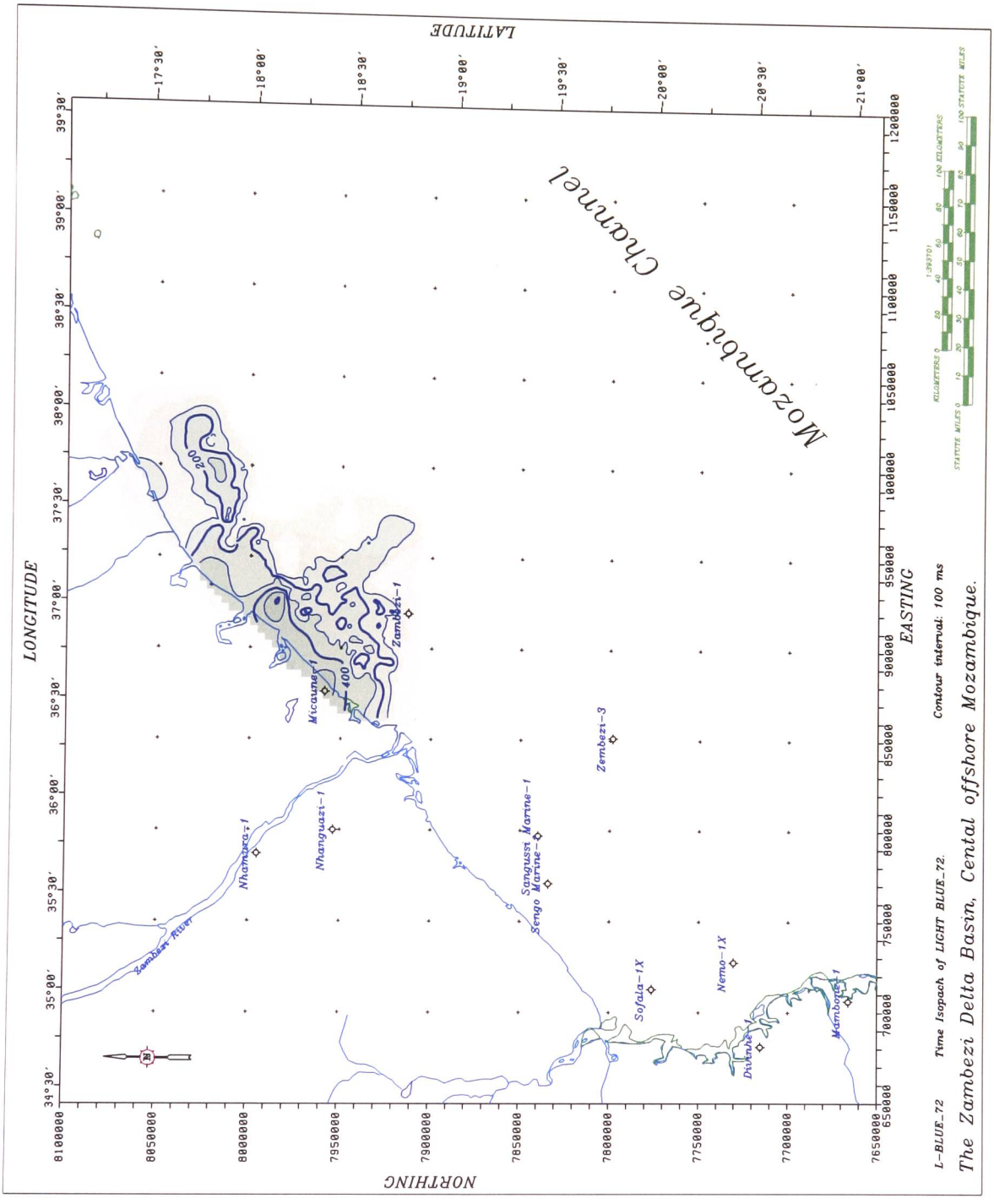

Figure B.22: Time isopach map of parasequence B4:2-1.

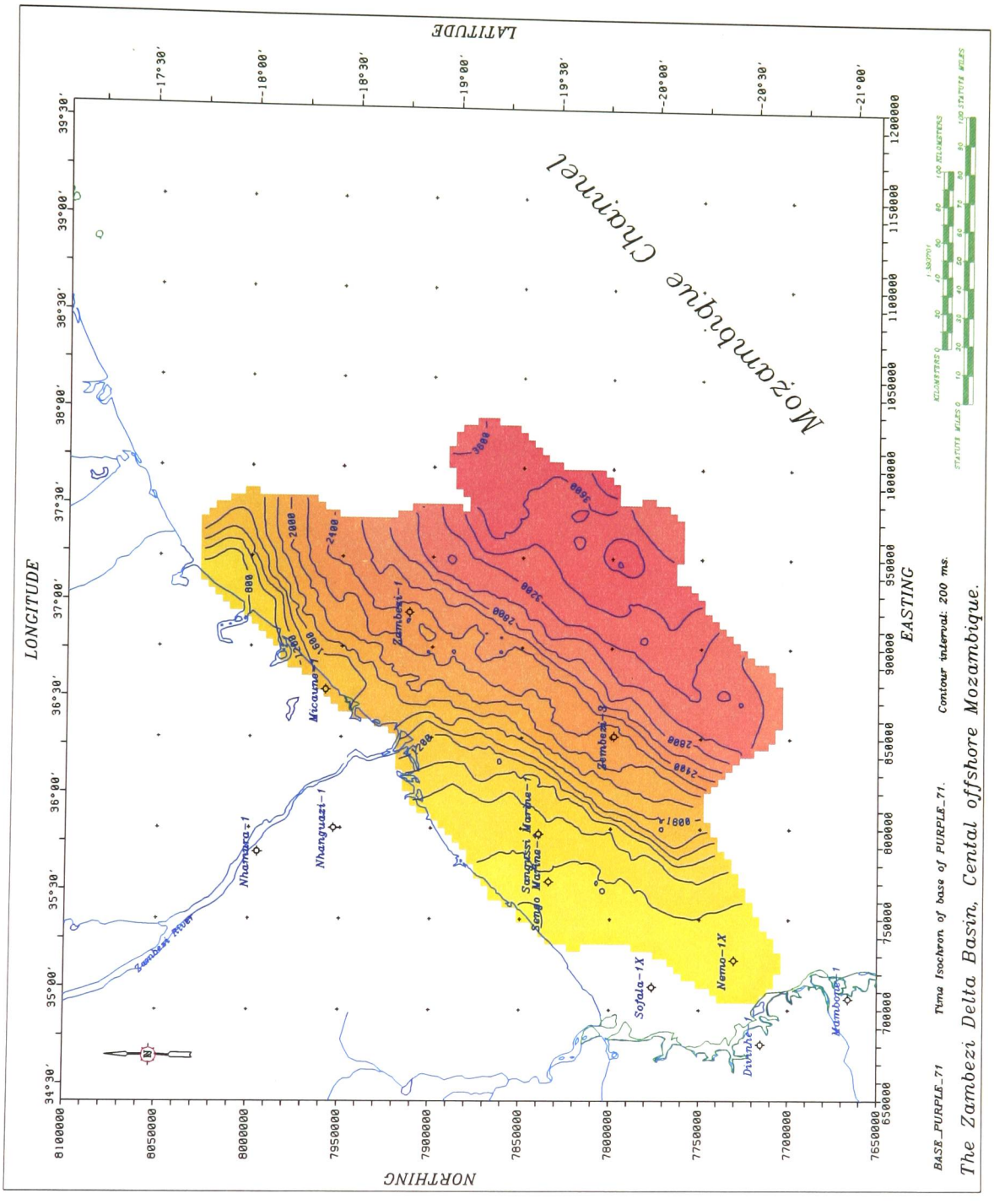

Figure B.23: Time isochron map of parasequence B4:2-2.

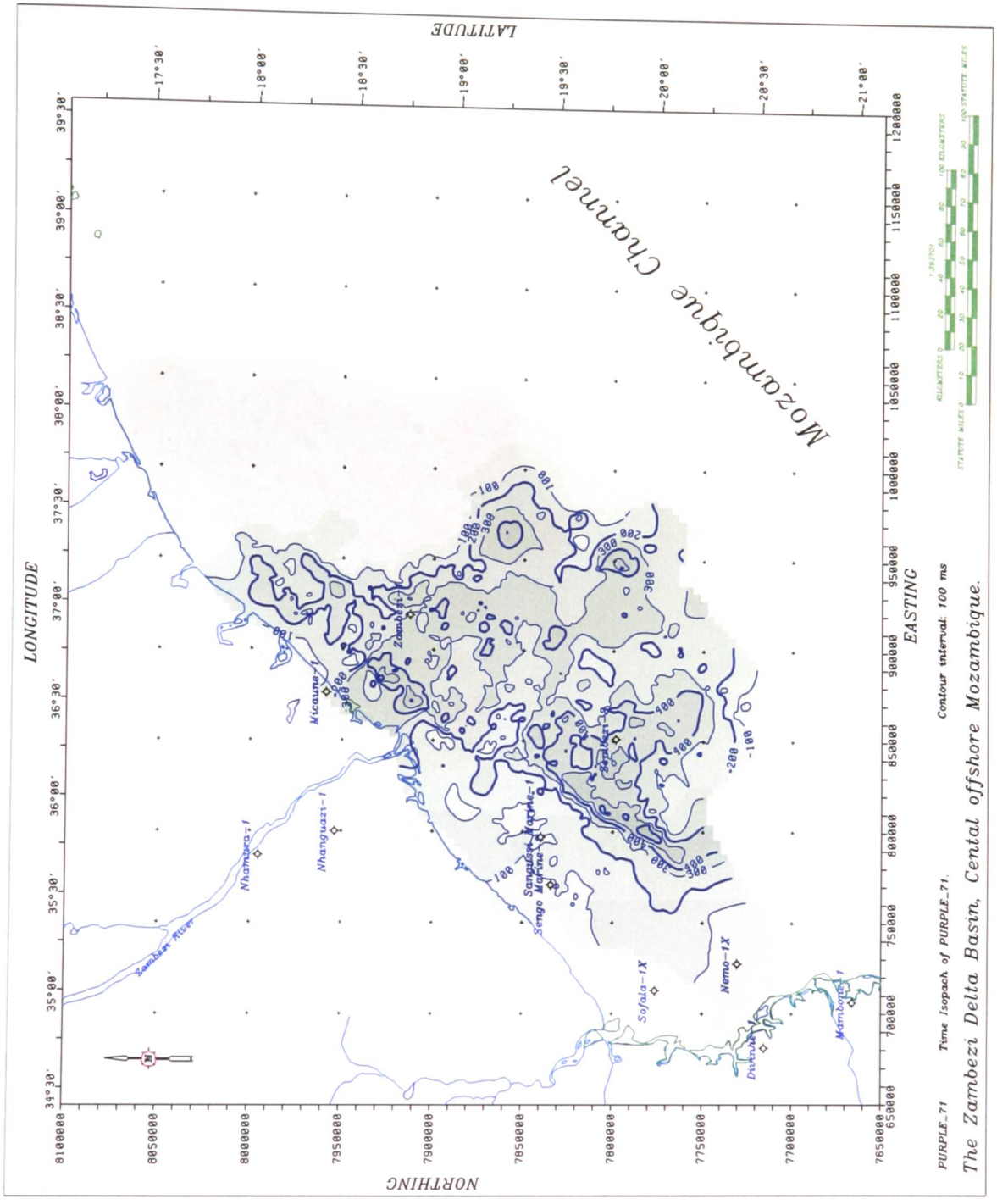

Figure B.24: Time isopach map of parasequence B4:2-2.

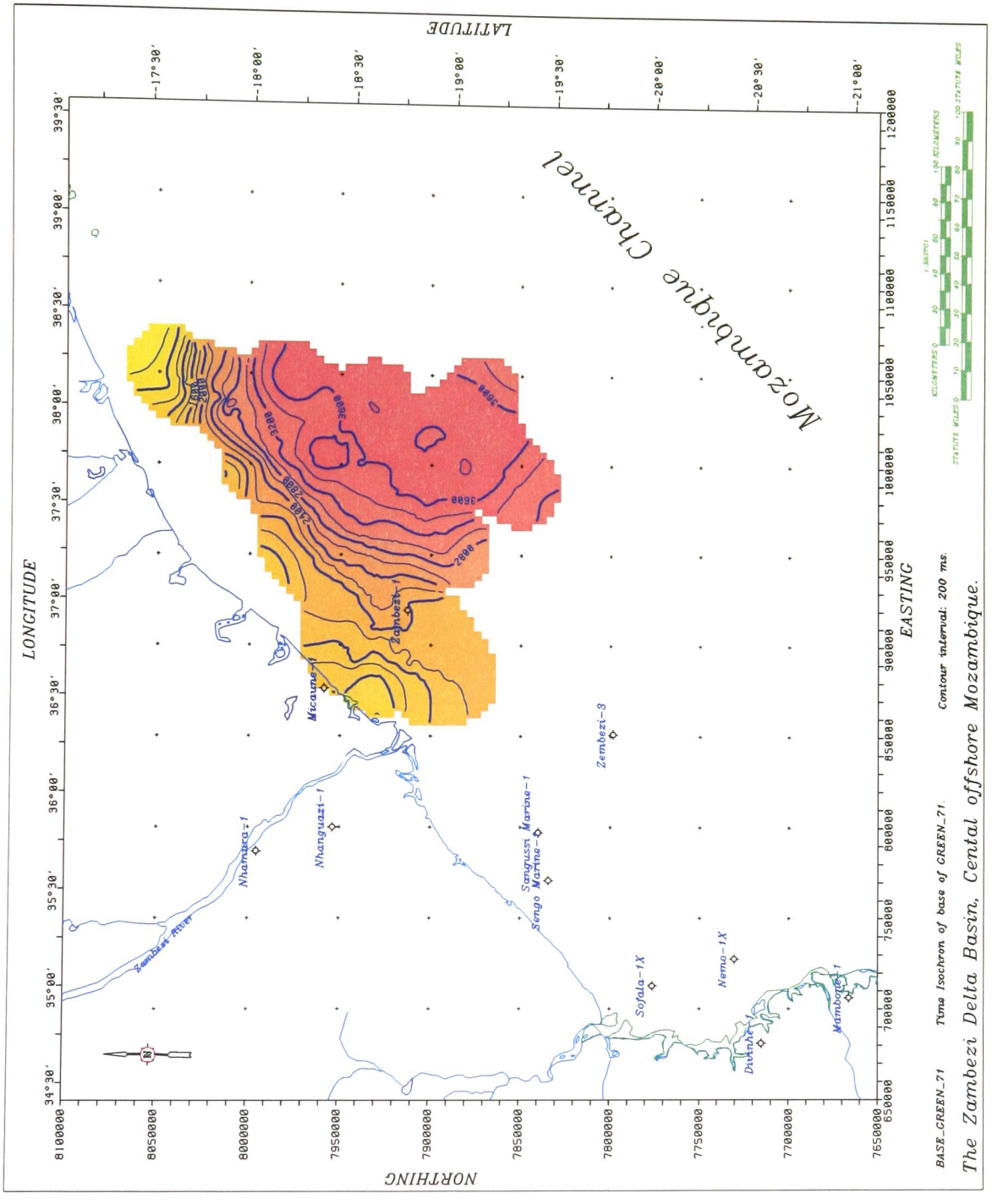

Figure B.25: Time isochron map of parasequence B5:1-1.

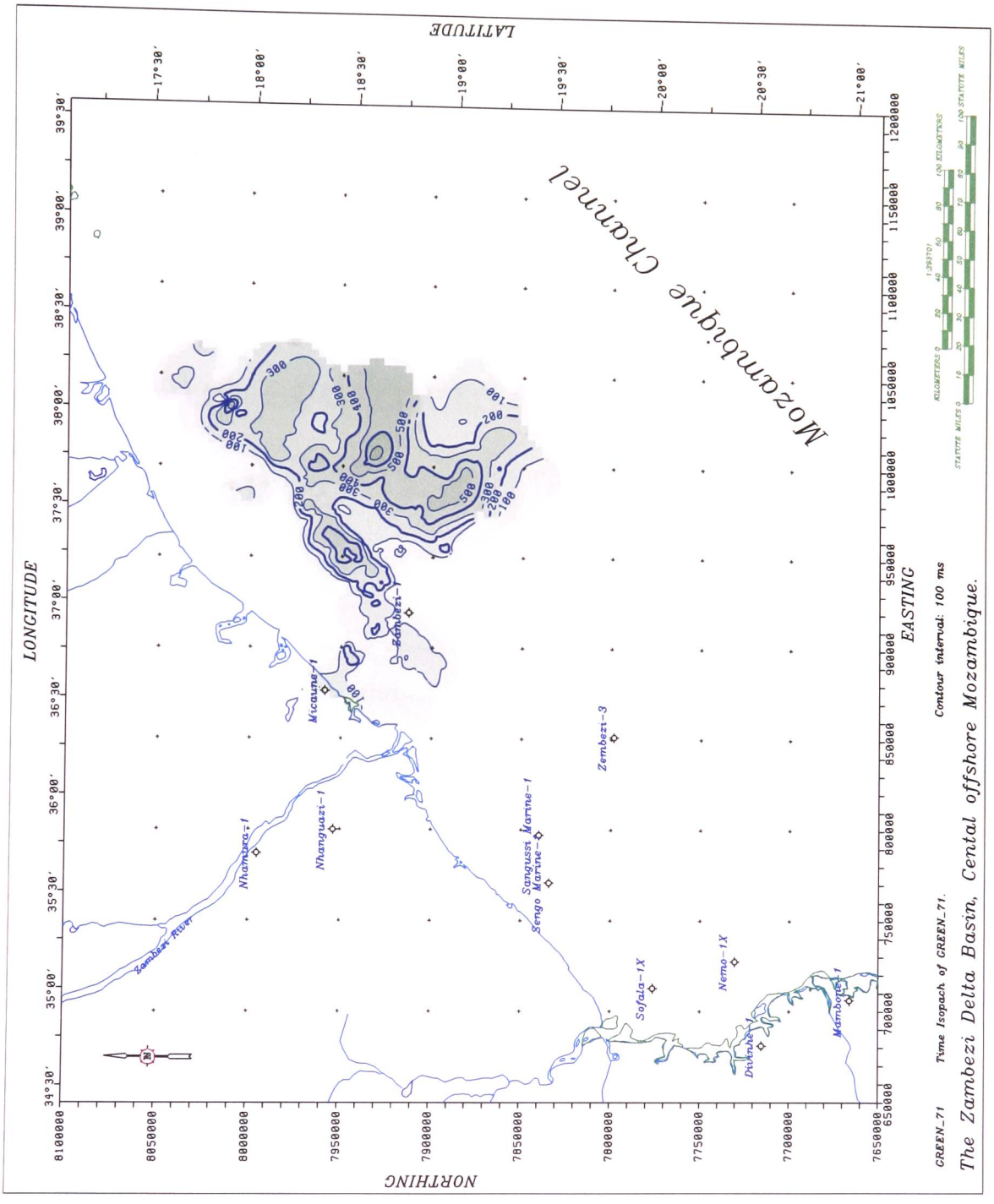

Figure B.26: Time isopach map of parasequence B5:1-1.

Appendix C

Top Middle Miocene to Top Upper Miocene sedimentary succession of the Zambezi Delta Basin.

Isochron and isopach maps of Top Middle miocene to top Upper Miocene sedimentary succession (ten depositional cycles).

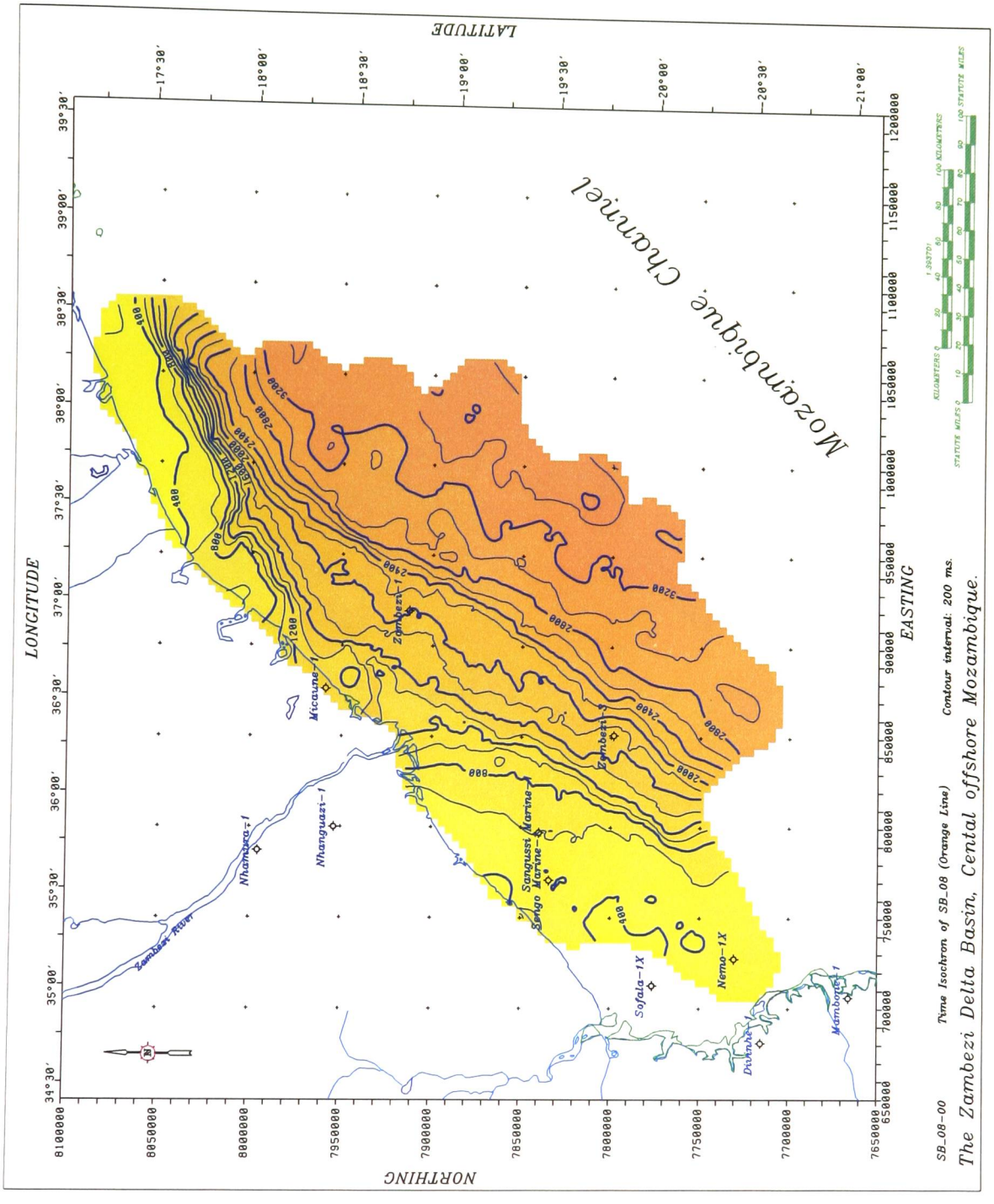

Figure C.1: The Top Middle Miocene time (TWT) isochron map offshore the Zambezi Delta Basin.

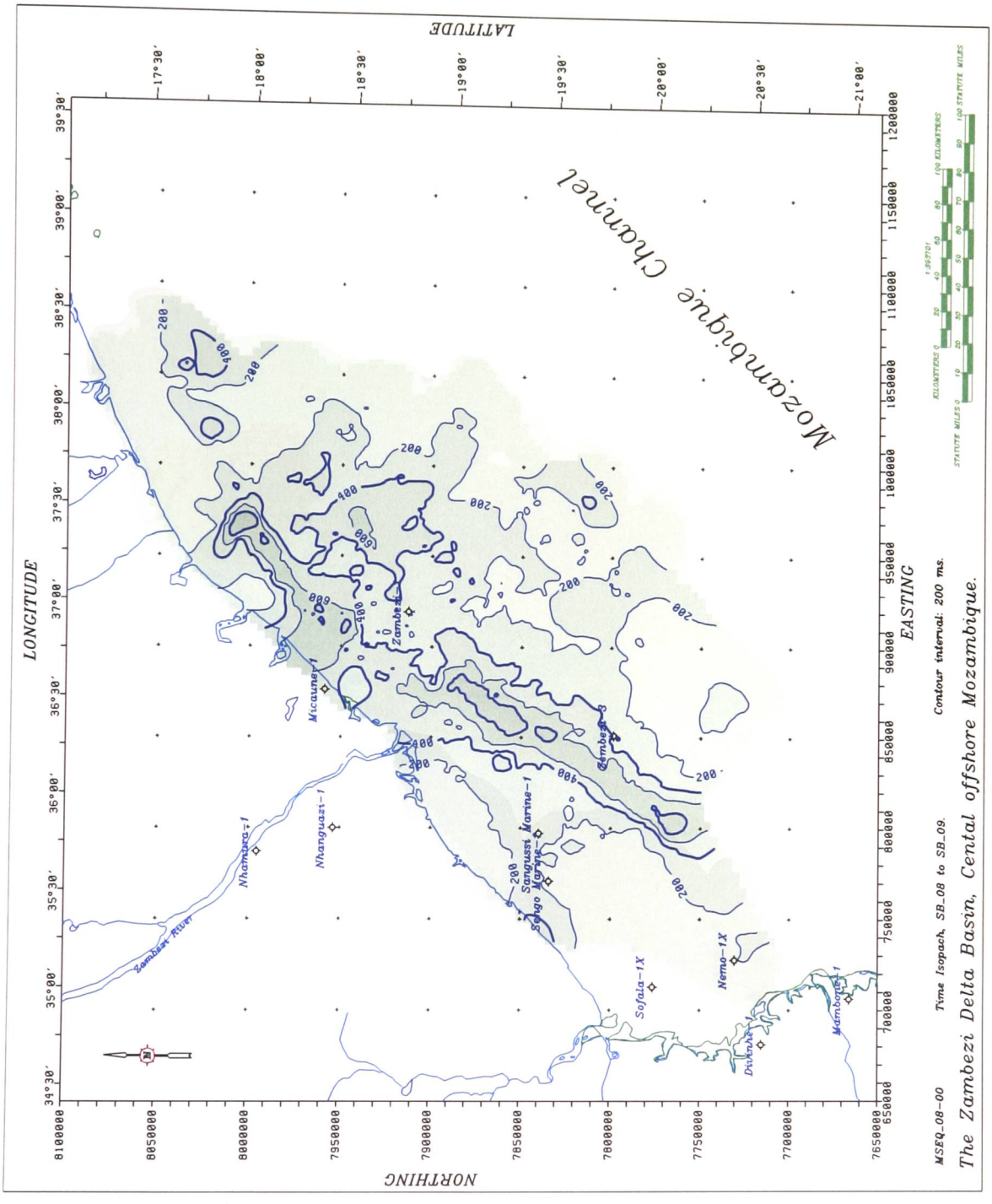

Figure C.2: The Upper Miocene time (TWT) isopach map offshore the Zambezi Delta Basin.

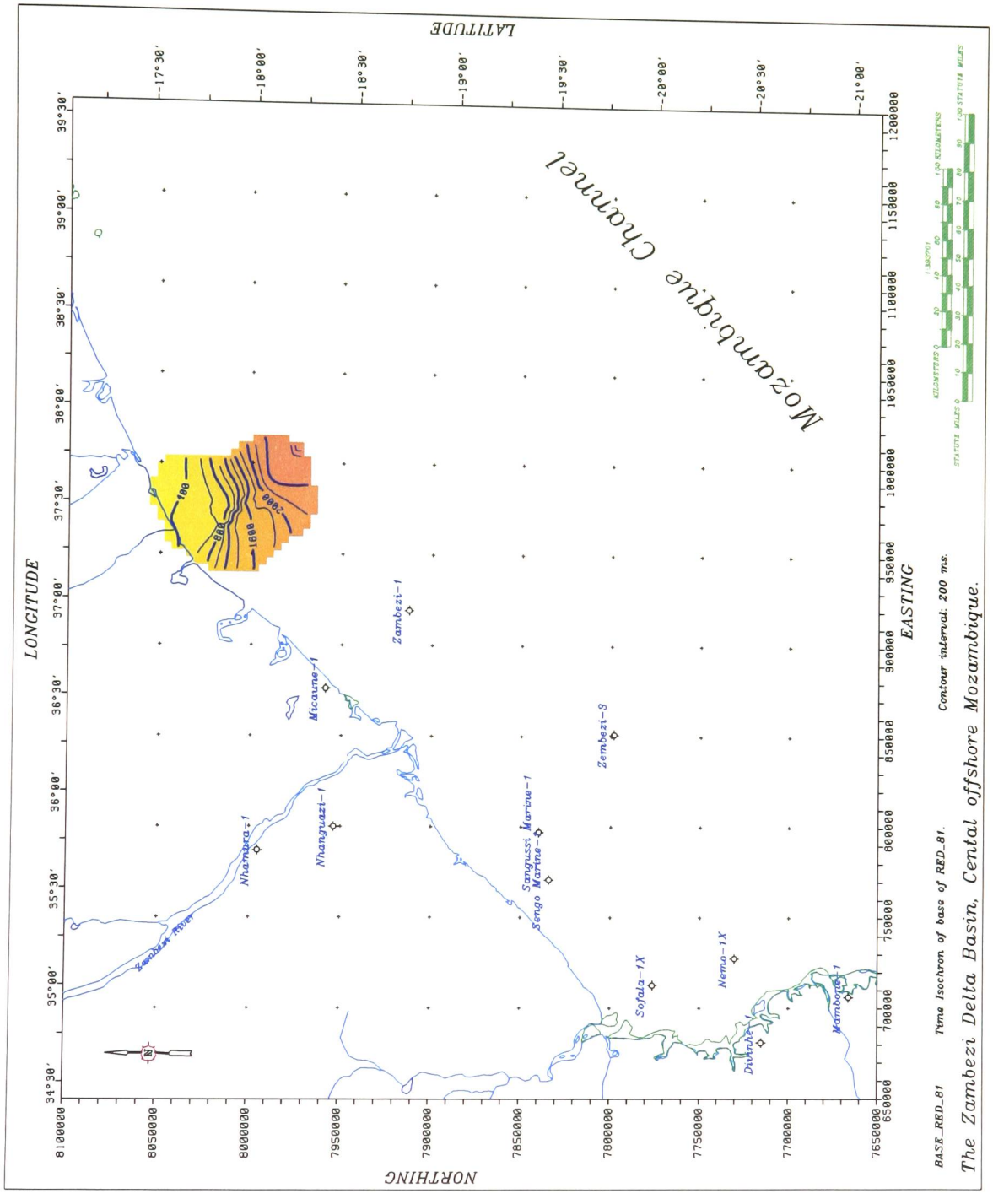

Figure C.3: Time isochron map of parasequence C1:2-1.

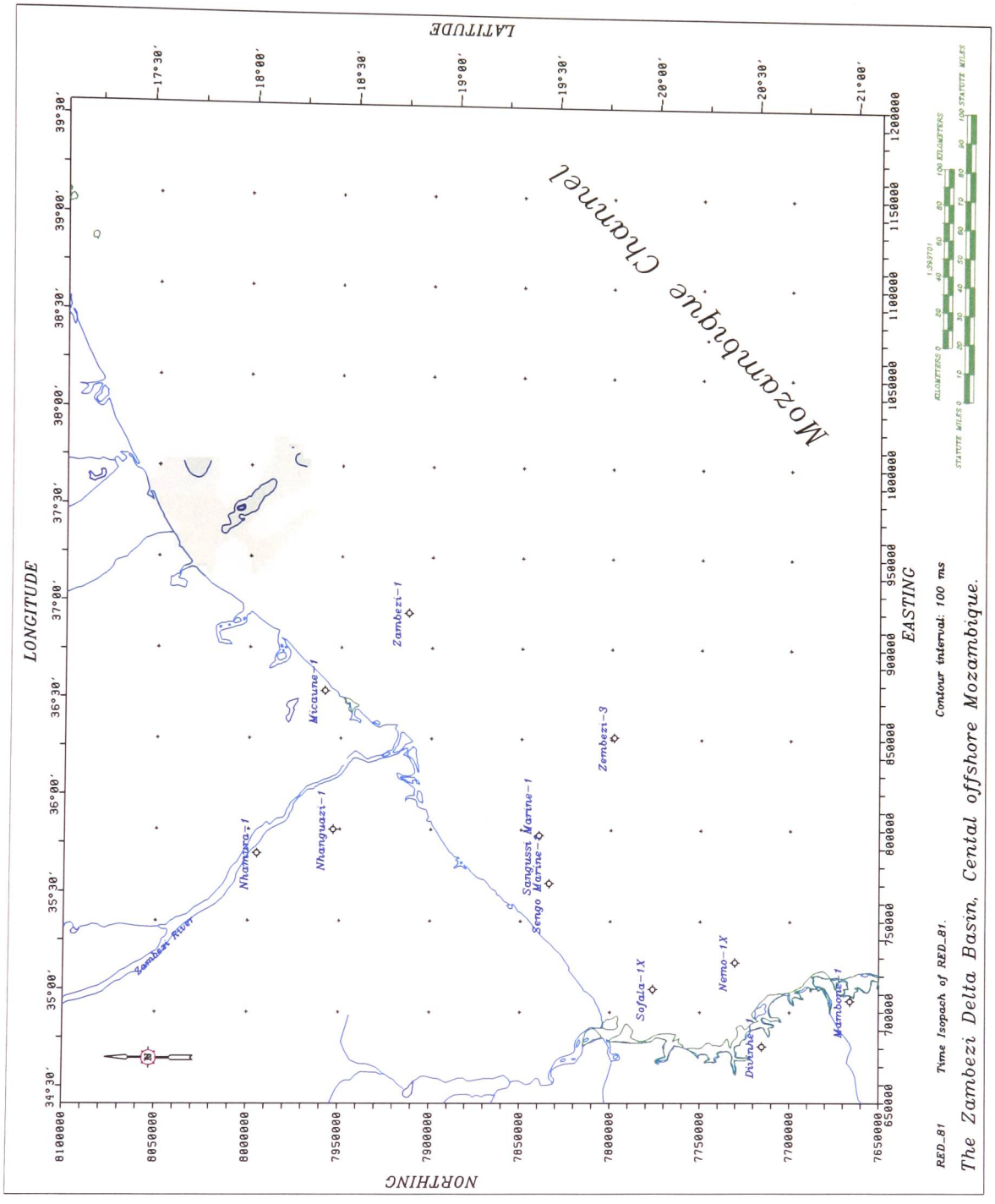

Figure C.4: Time isopach map of parasequence C1:2-1.

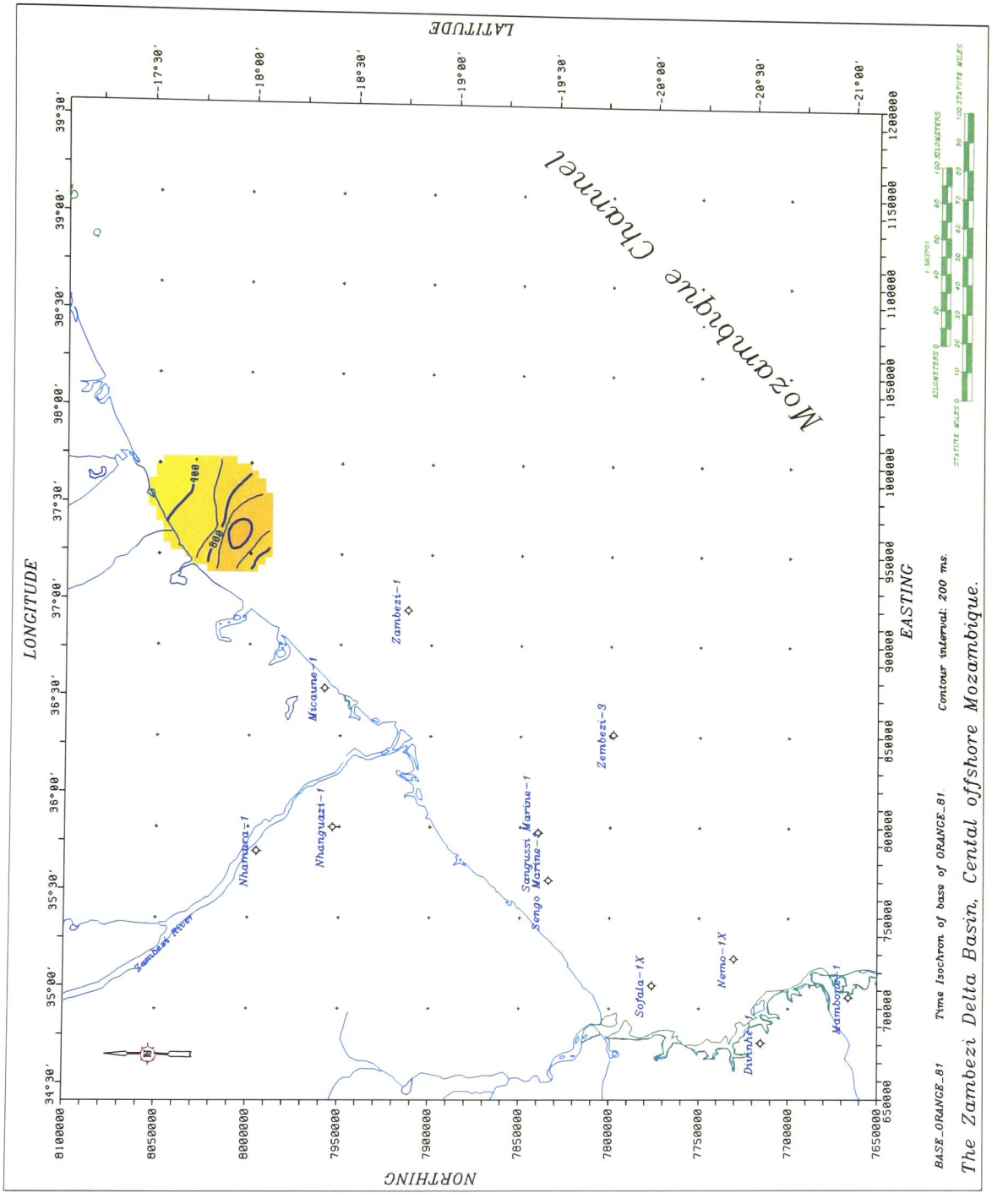

Figure C.5: Time isochron map of parasequence C1:2-2.

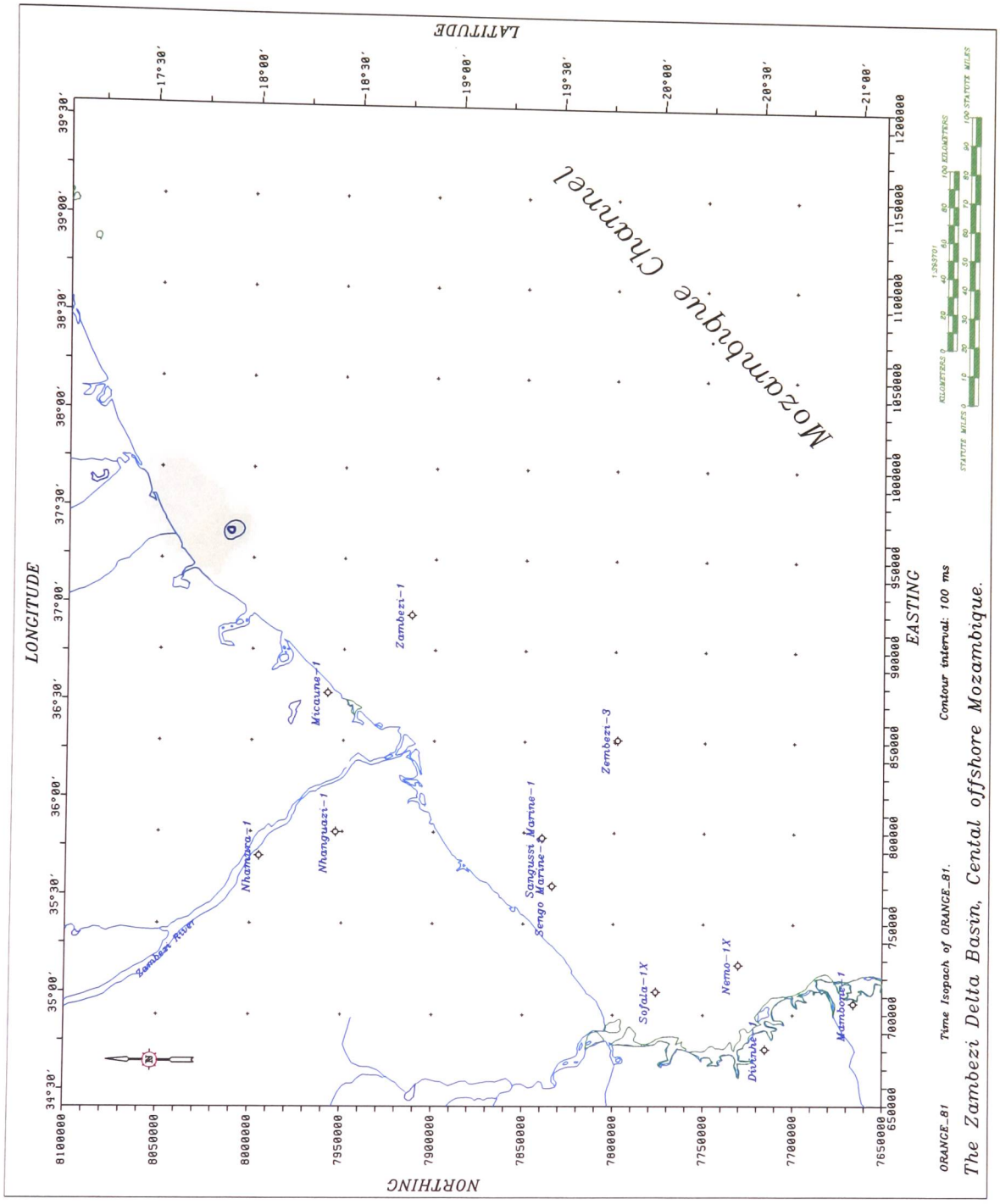

Figure C.6: Time isopach map of parasequence C1:2-2.

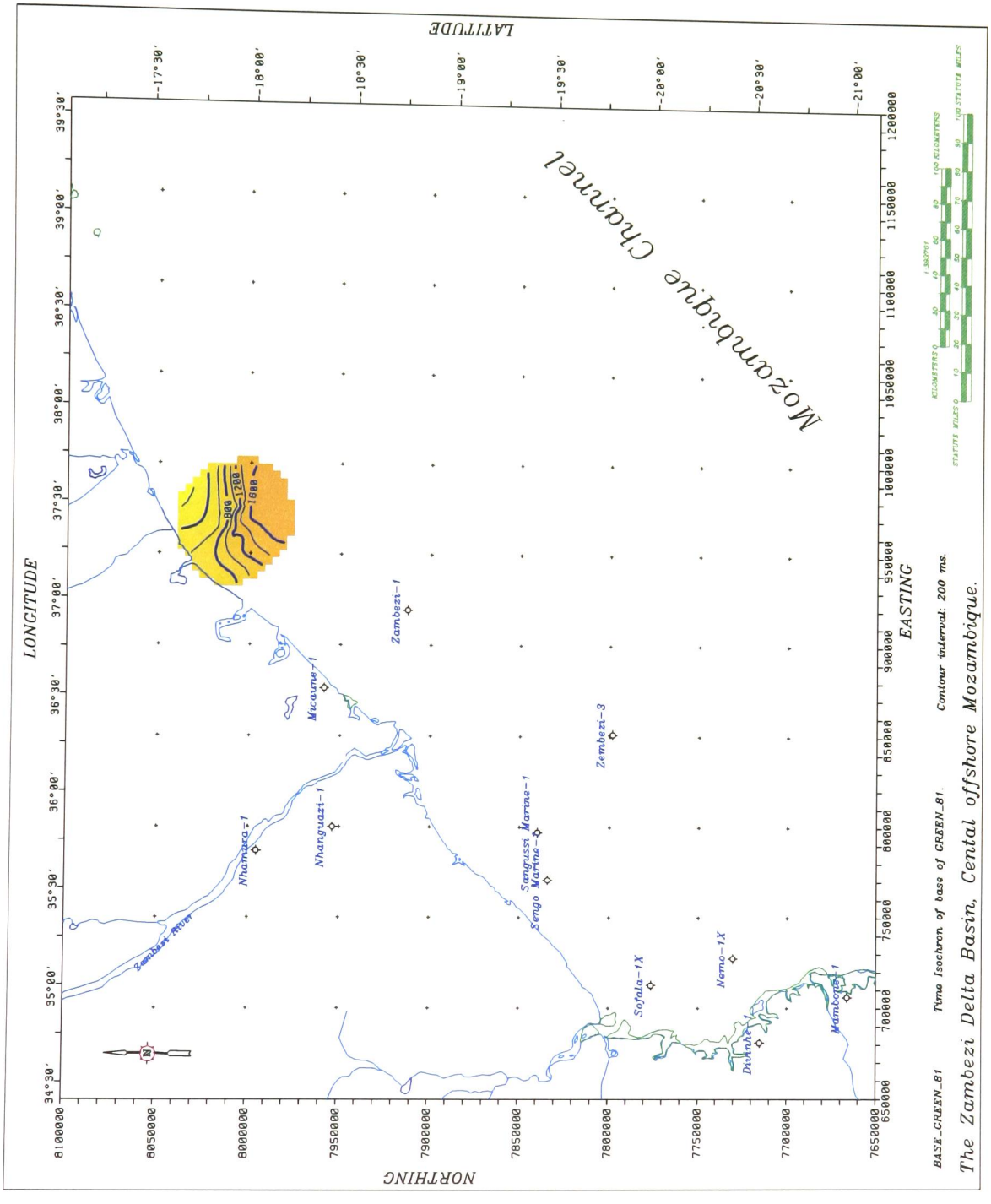

Figure C.7: Time isochron map of parasequence C2:2-1.

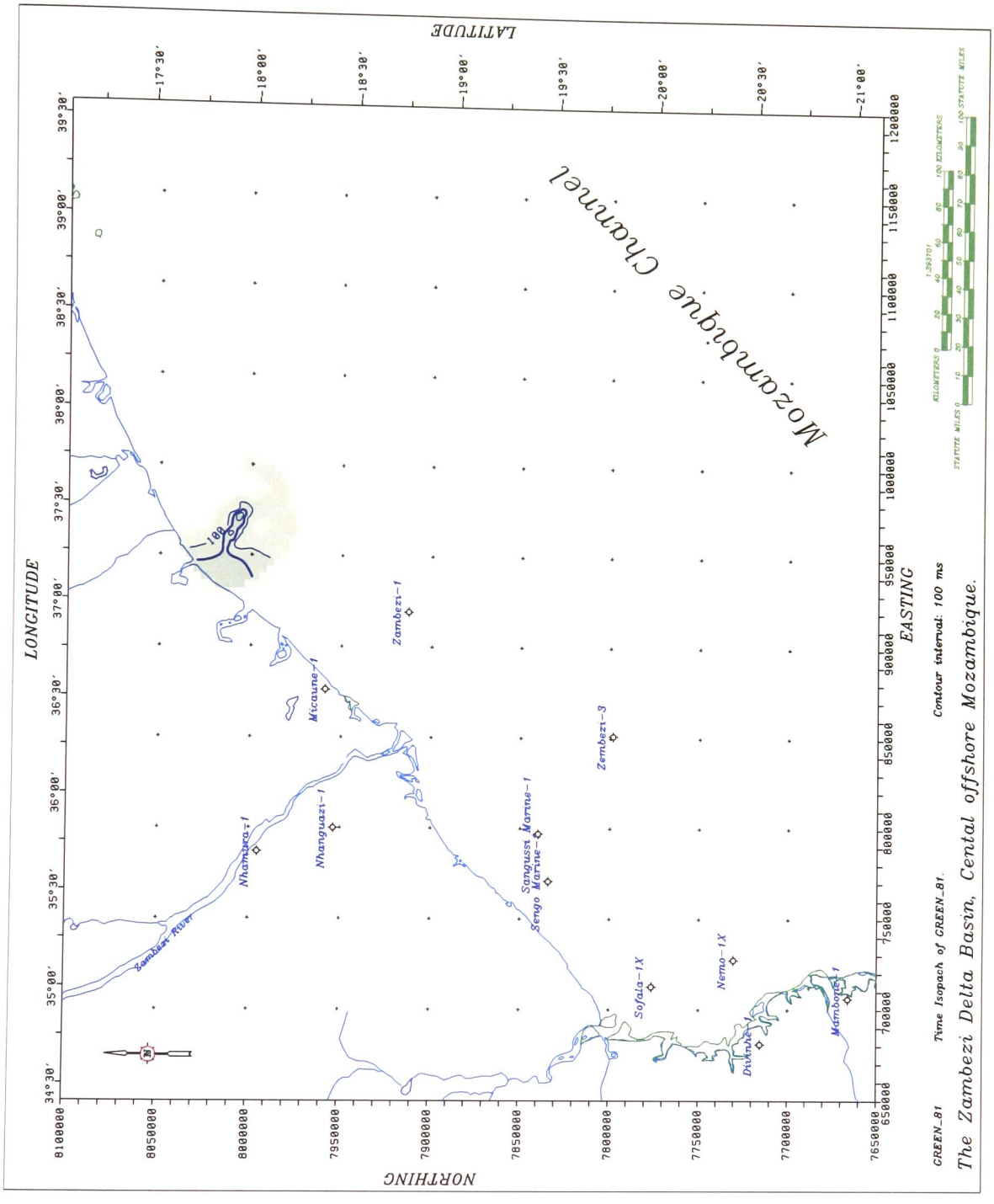

Figure C.8: Time isopach map of parasequence C2:2-1.

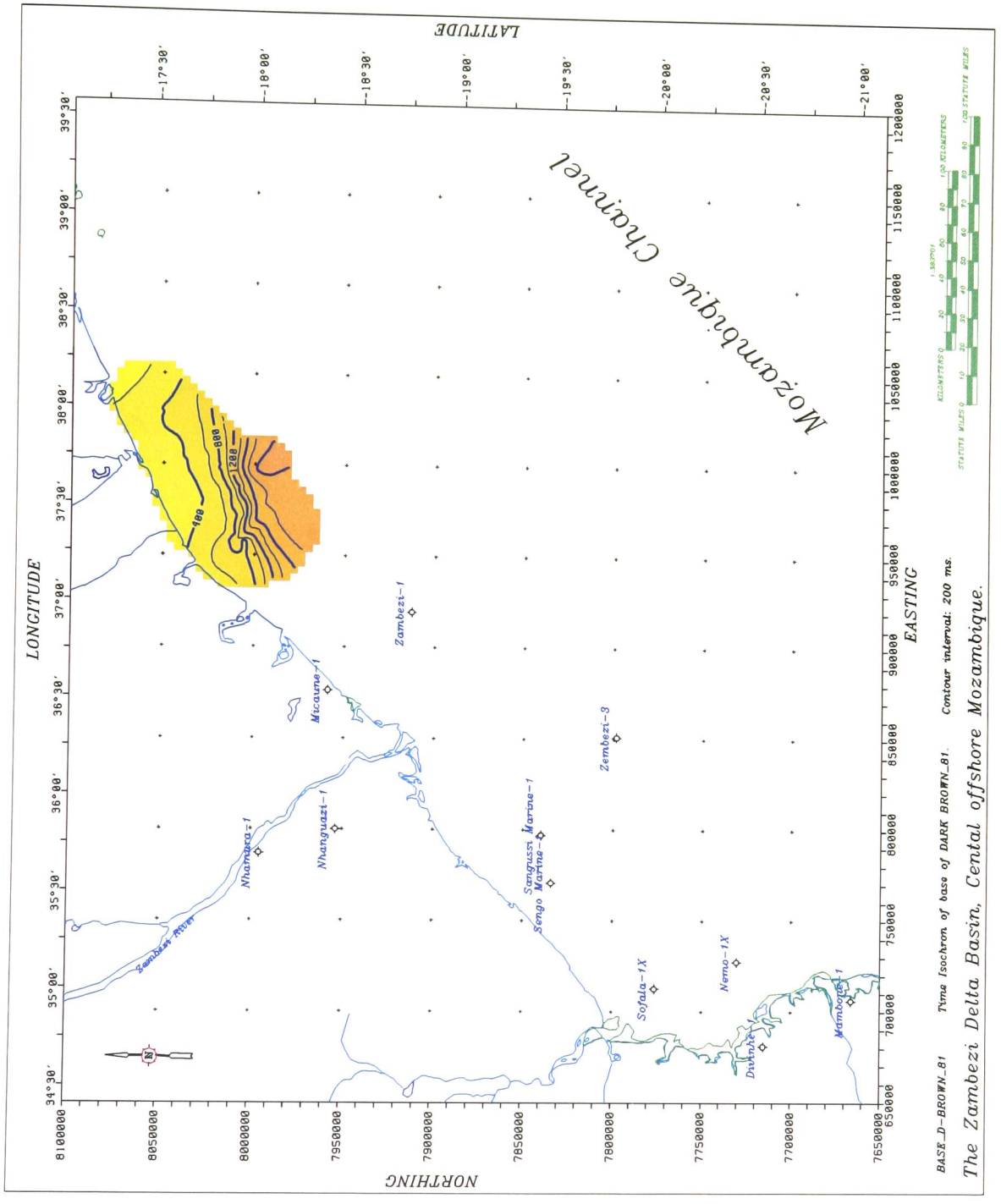

Figure C.9: Time isochron map of parasequence C2:2-2.

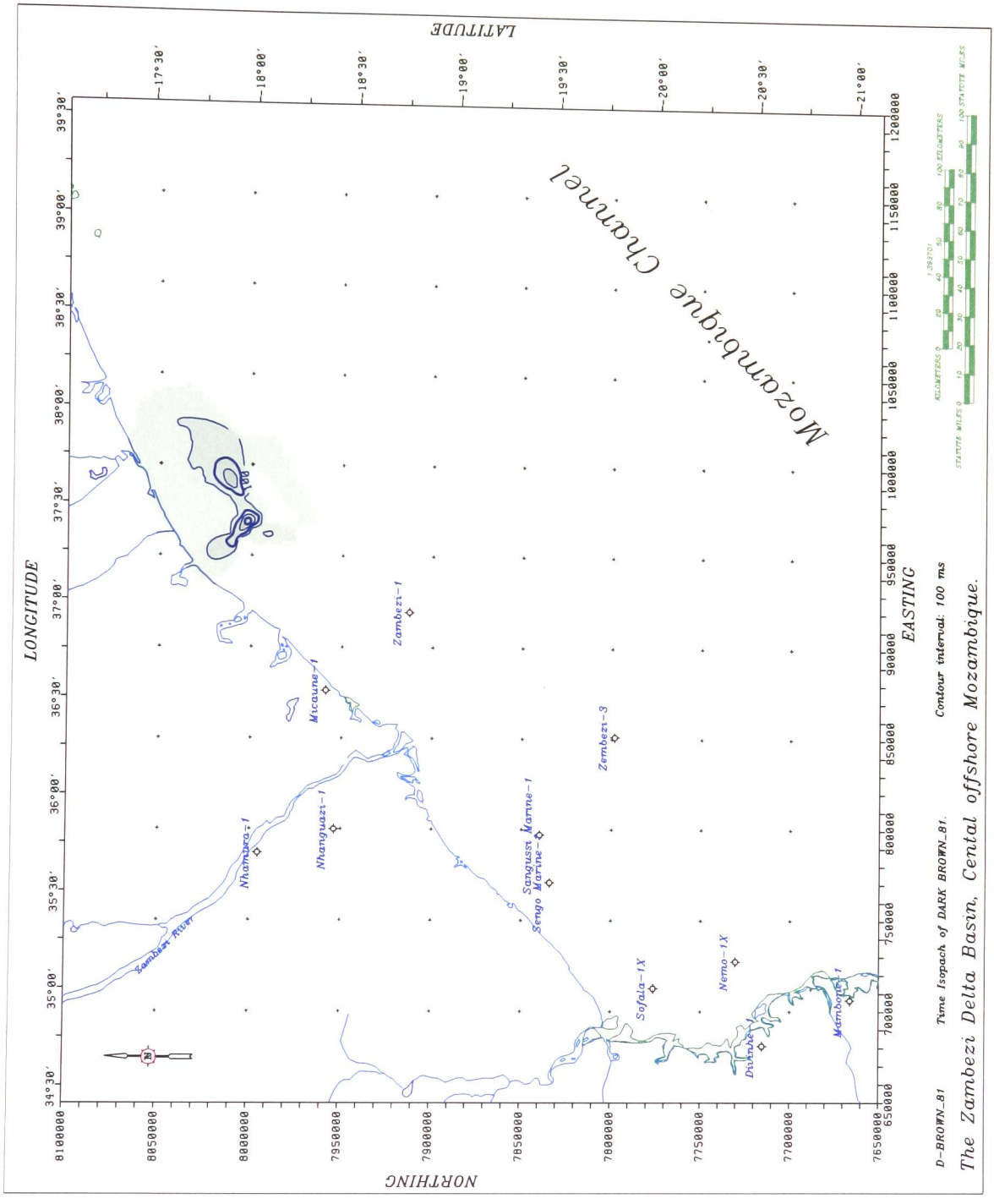

Figure C.10: Time isopach map of parasequence C2:2-2.

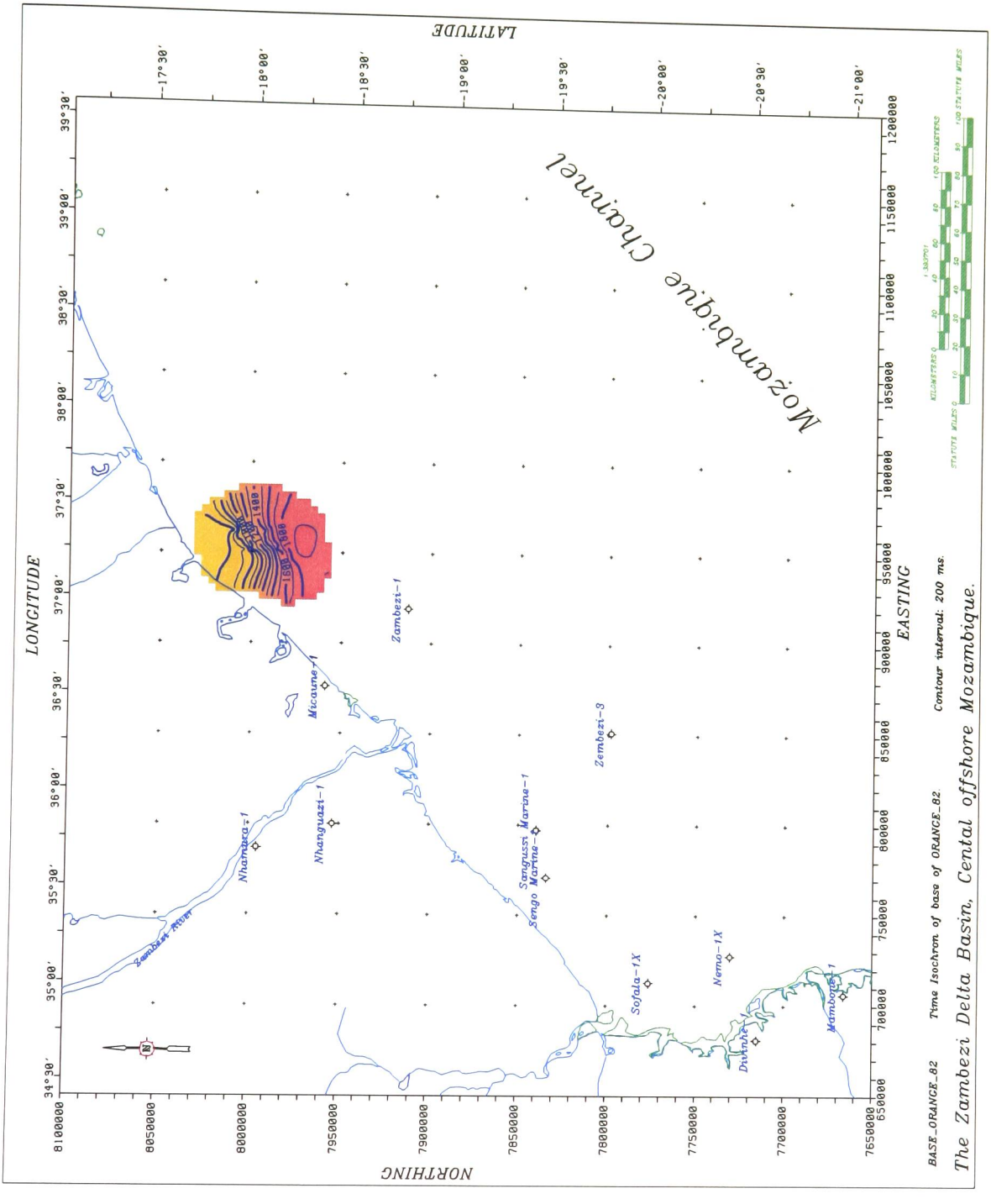

Figure C.11: Time isochron map of parasequence C3:3-1.

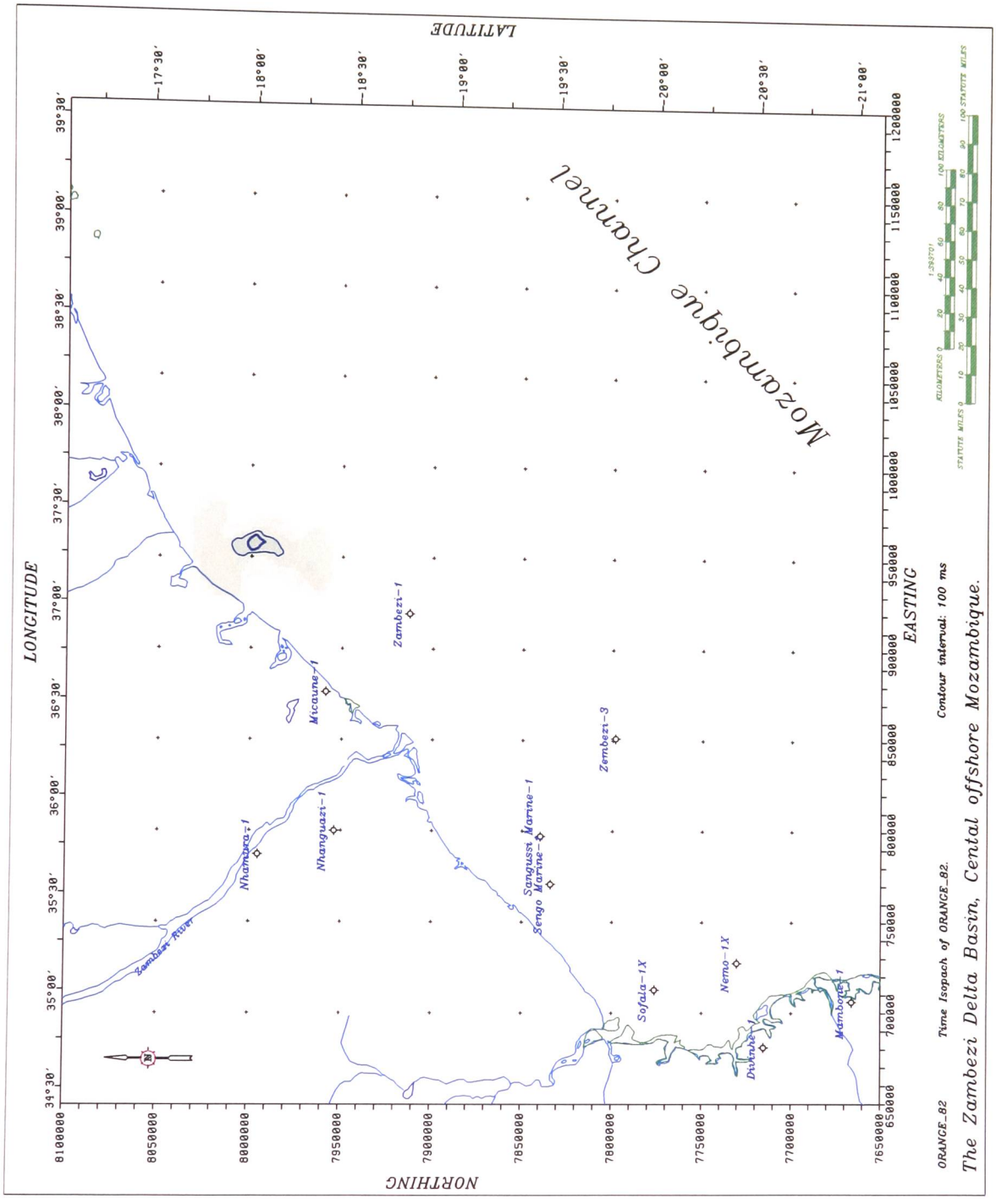

Figure C.12: Time isopach map of parasequence C3:3-1.

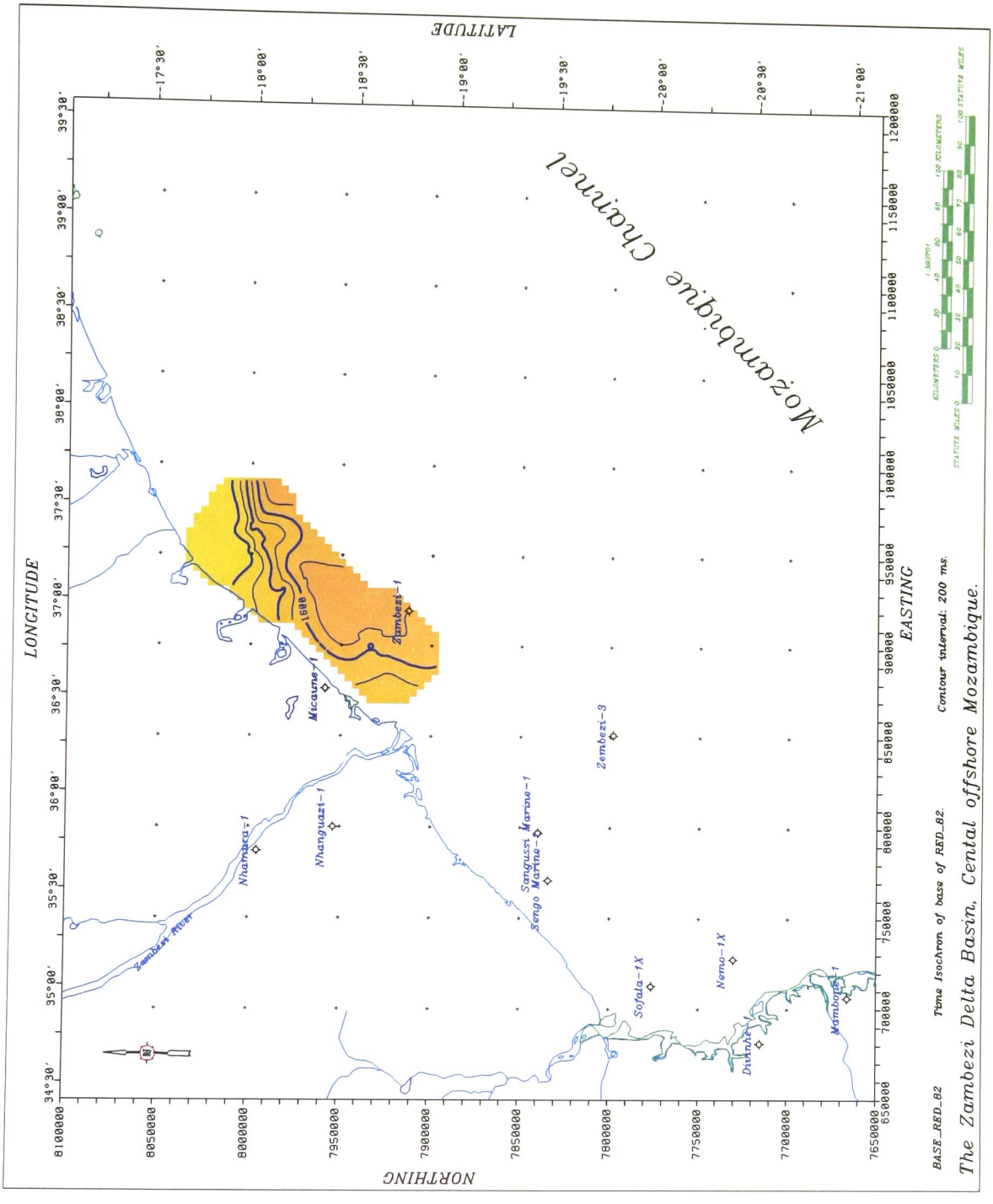

Figure C.13: Time isochron map of parasequence C3:3-2.

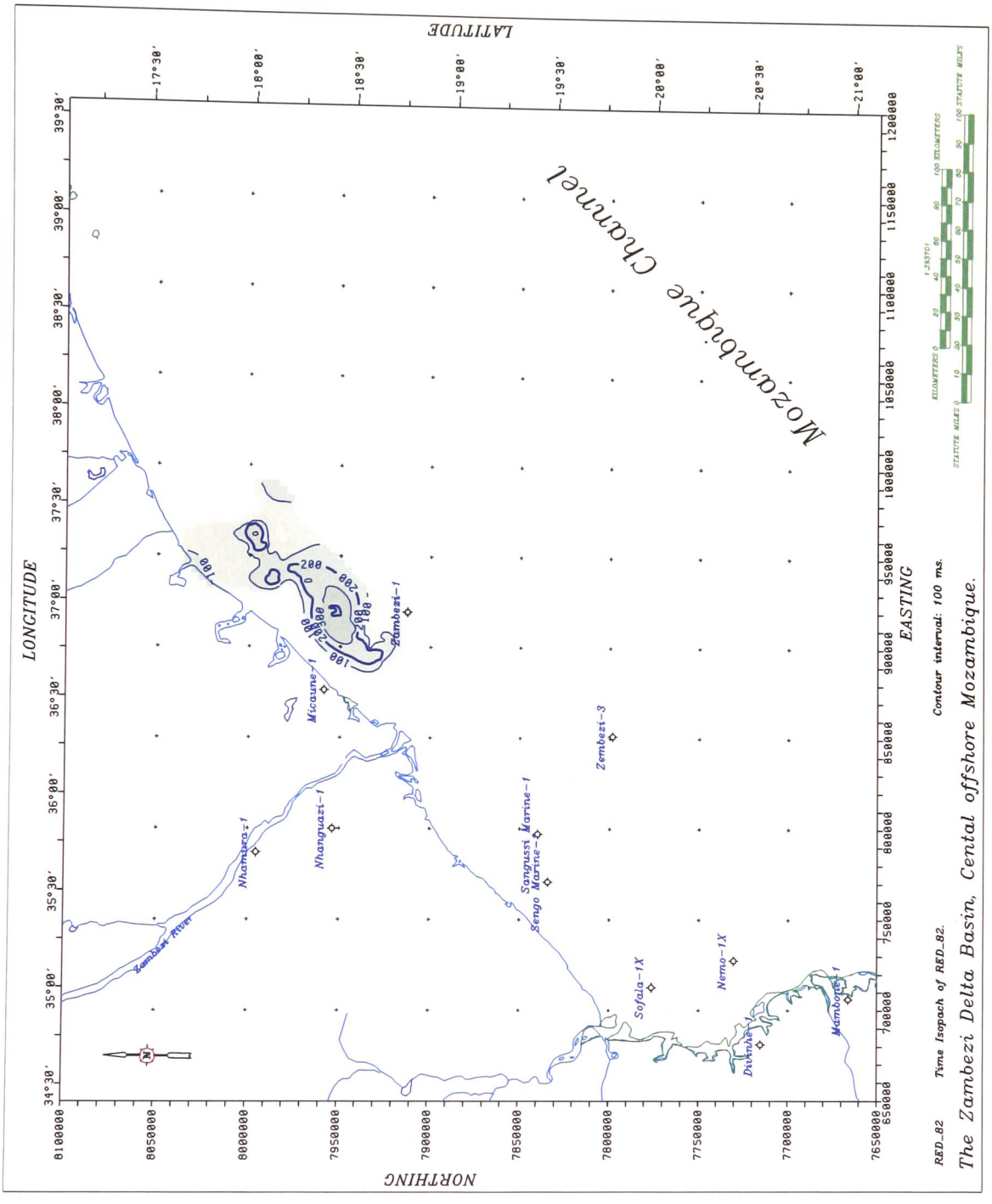

Figure C.14: Time isopach map of parasequence C3:3-2.

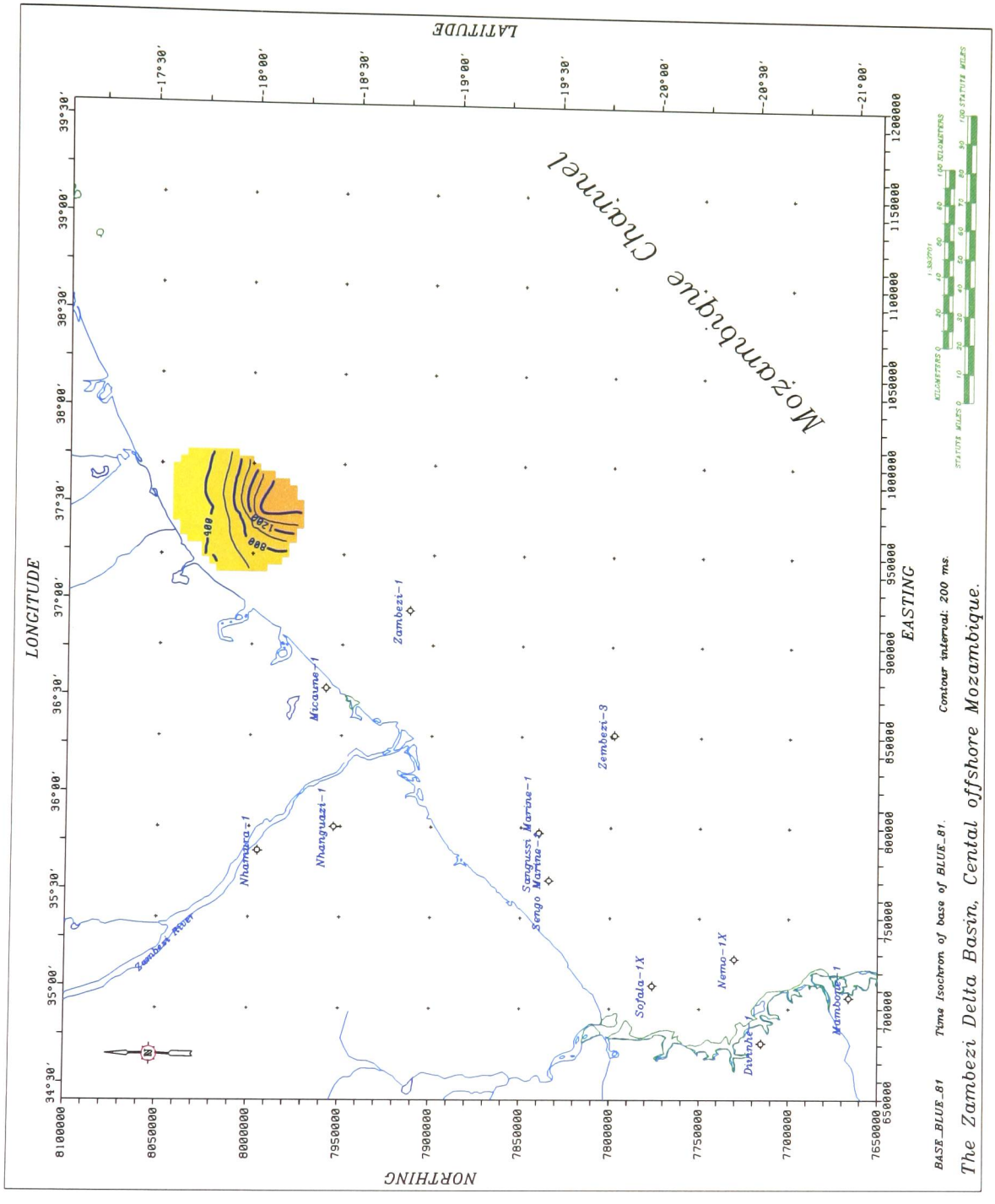

Figure C.15: Time isochron map of parasequence C3:3-3.

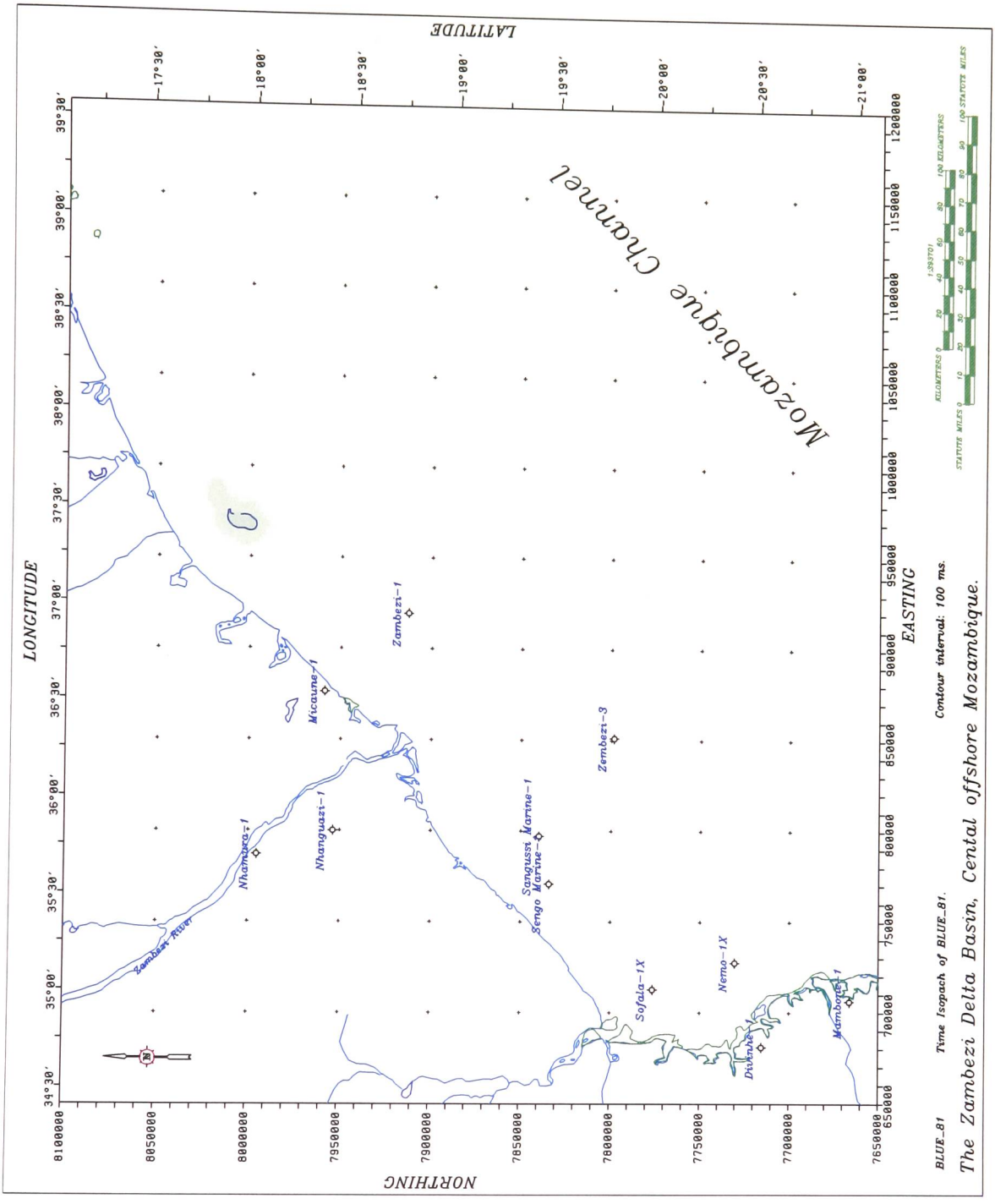

Figure C.16: Time isopach map of parasequence C3:3-3.

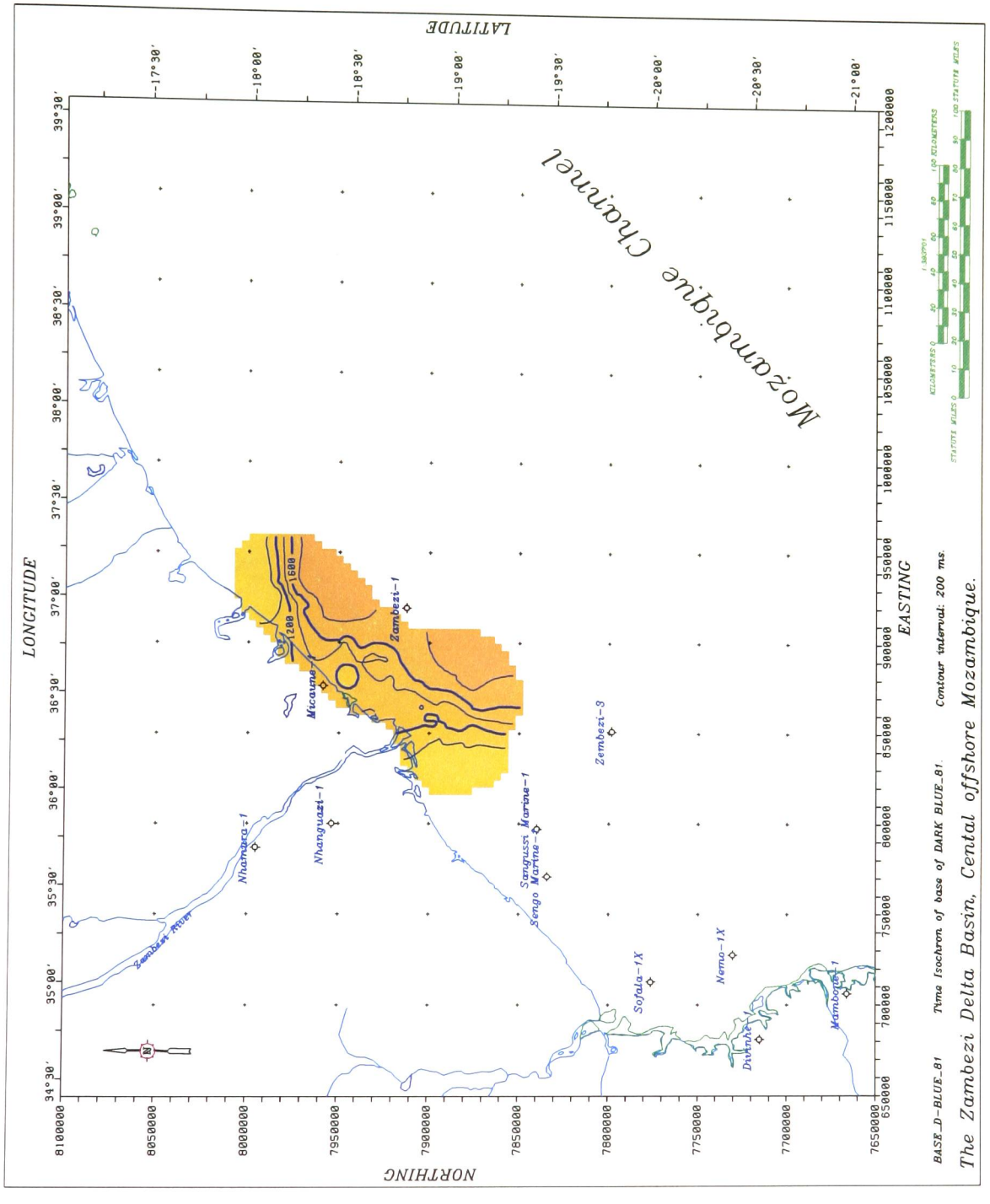

Figure C.17: Time isochron map of parasequence C4:1-1.

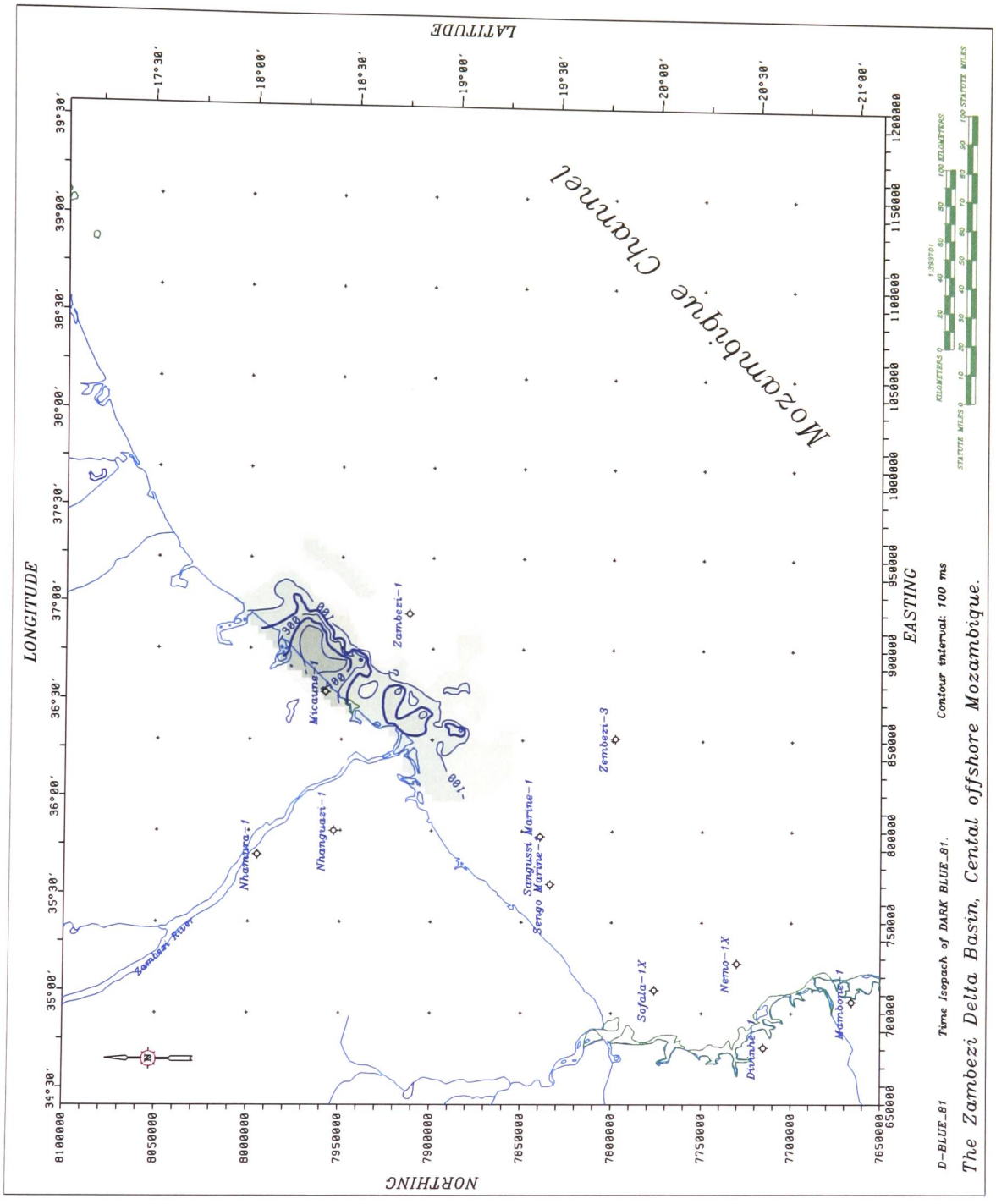

Figure C.18: Time isopach map of parasequence C4:1-1.

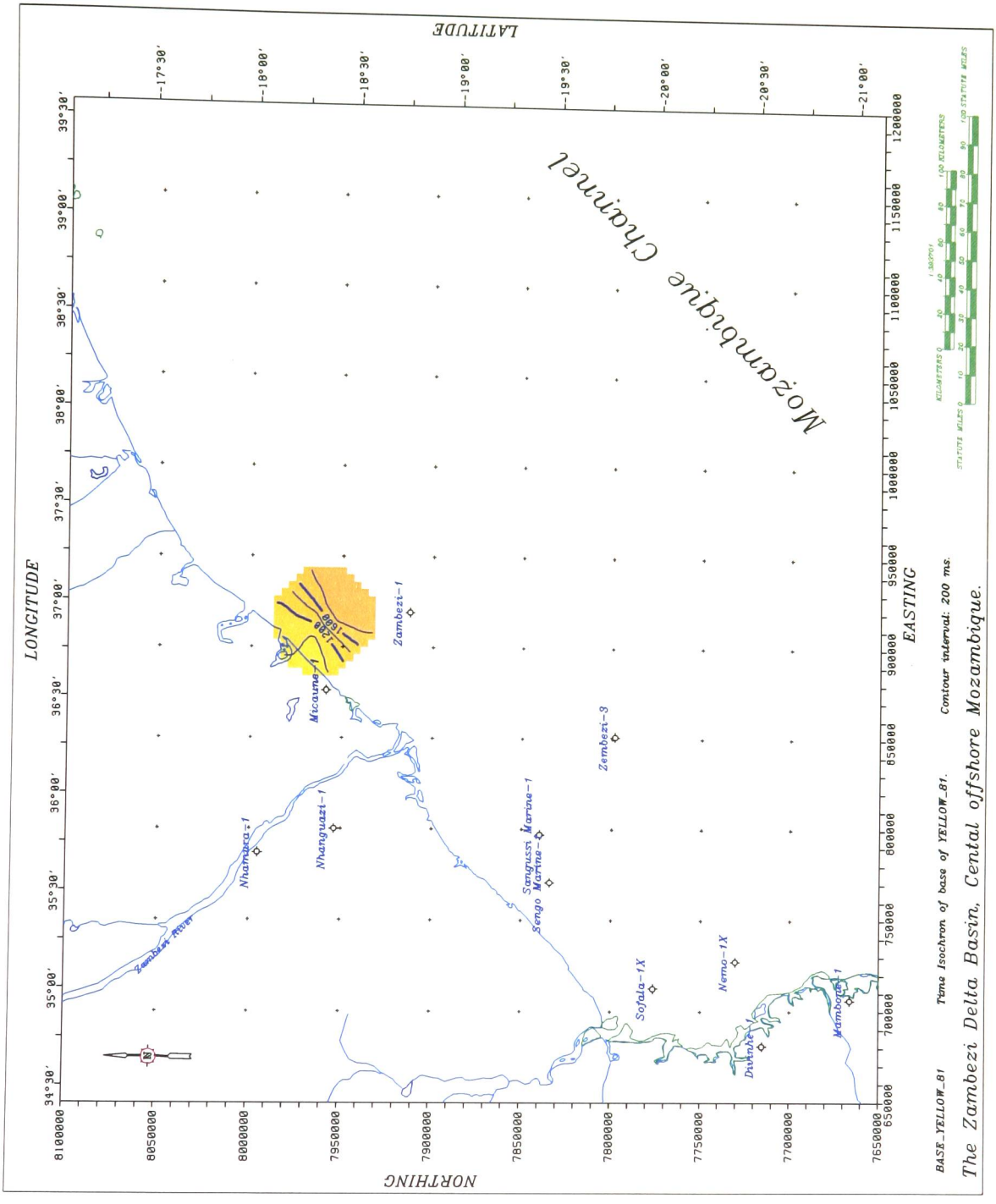

Figure C.19: Time isochron map of parasequence C5:4-1.

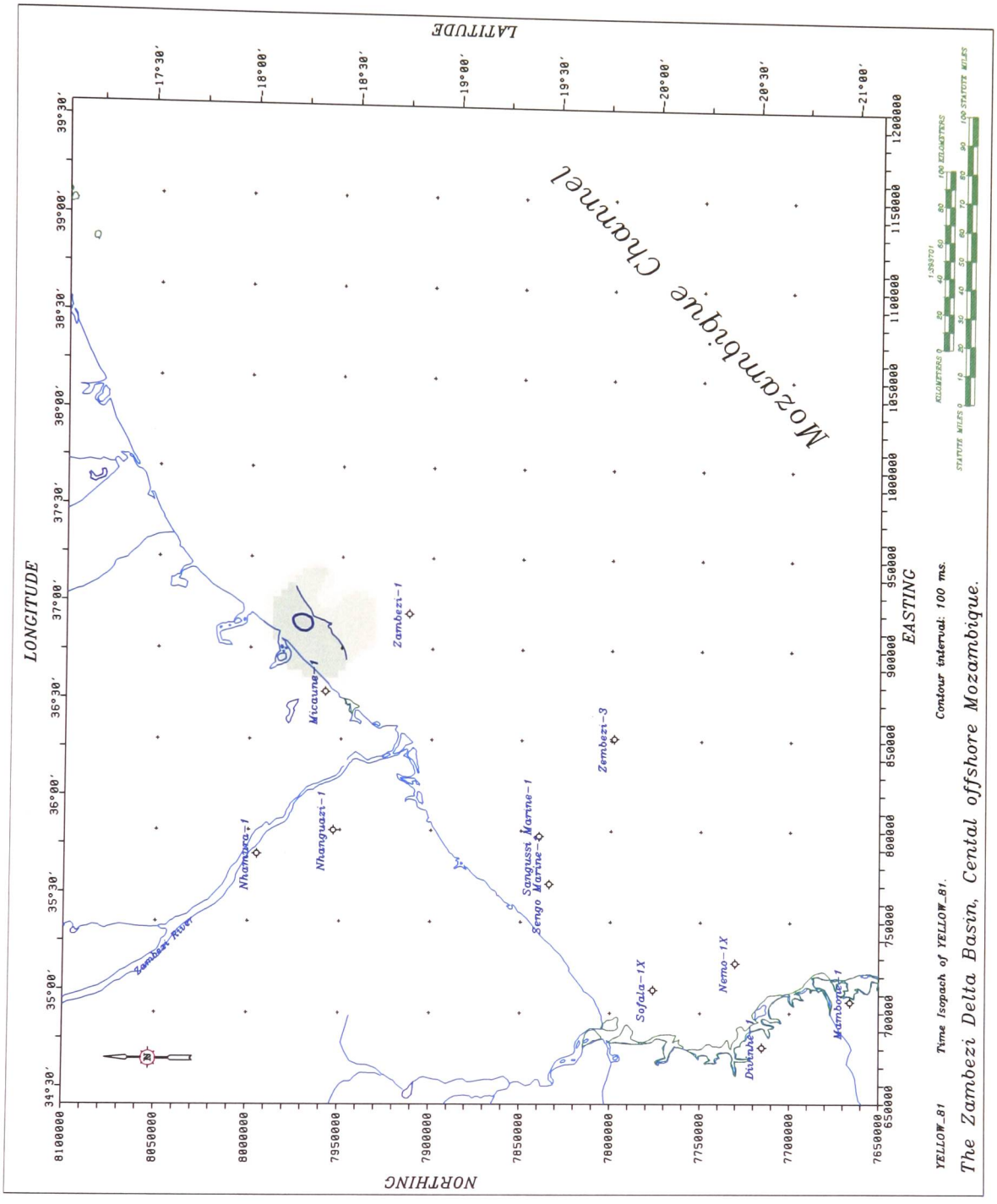

Figure C.20: Time isopach map of parasequence C5:4-1.

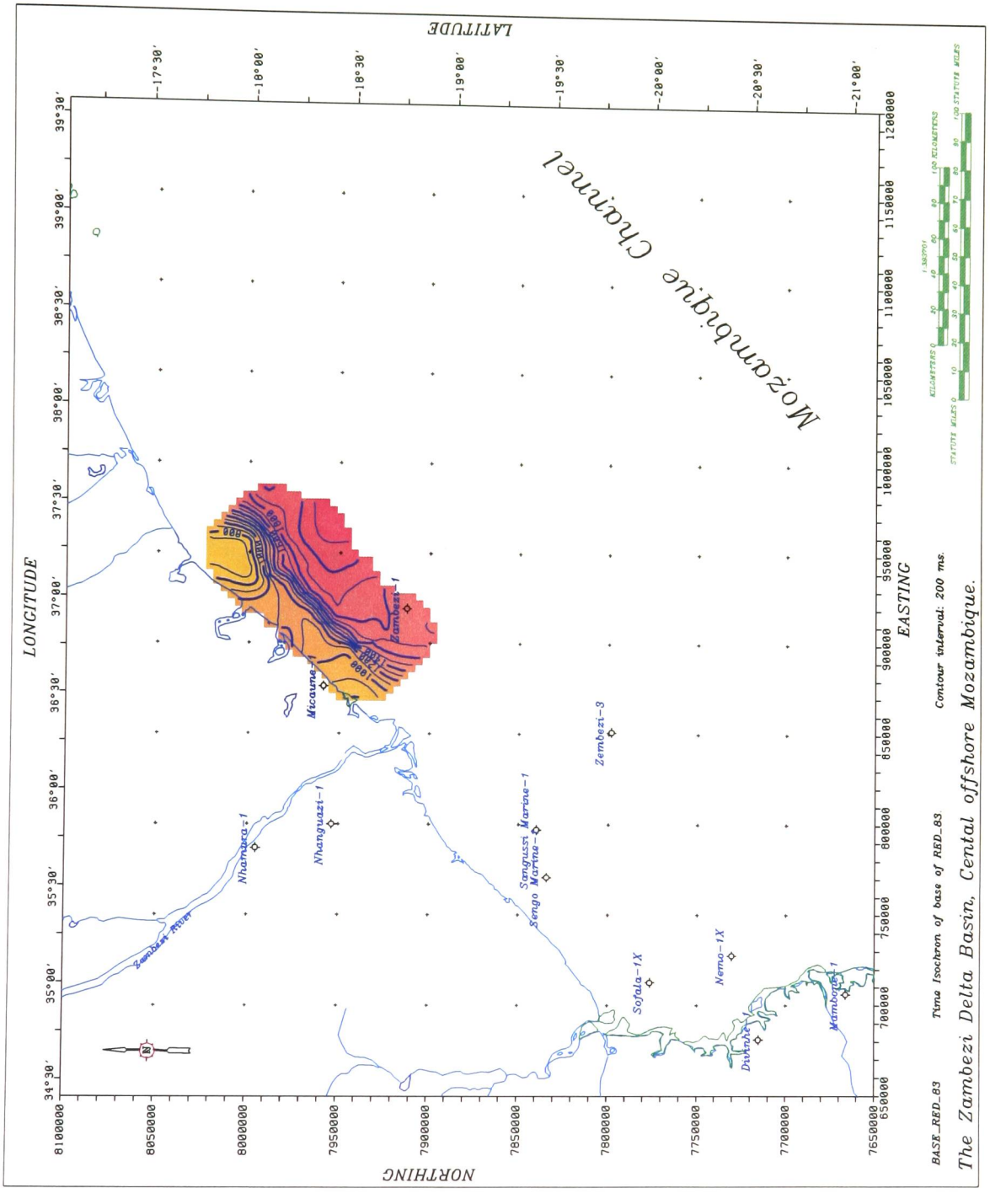

Figure C.21: Time isochron map of parasequence C5:4-2.

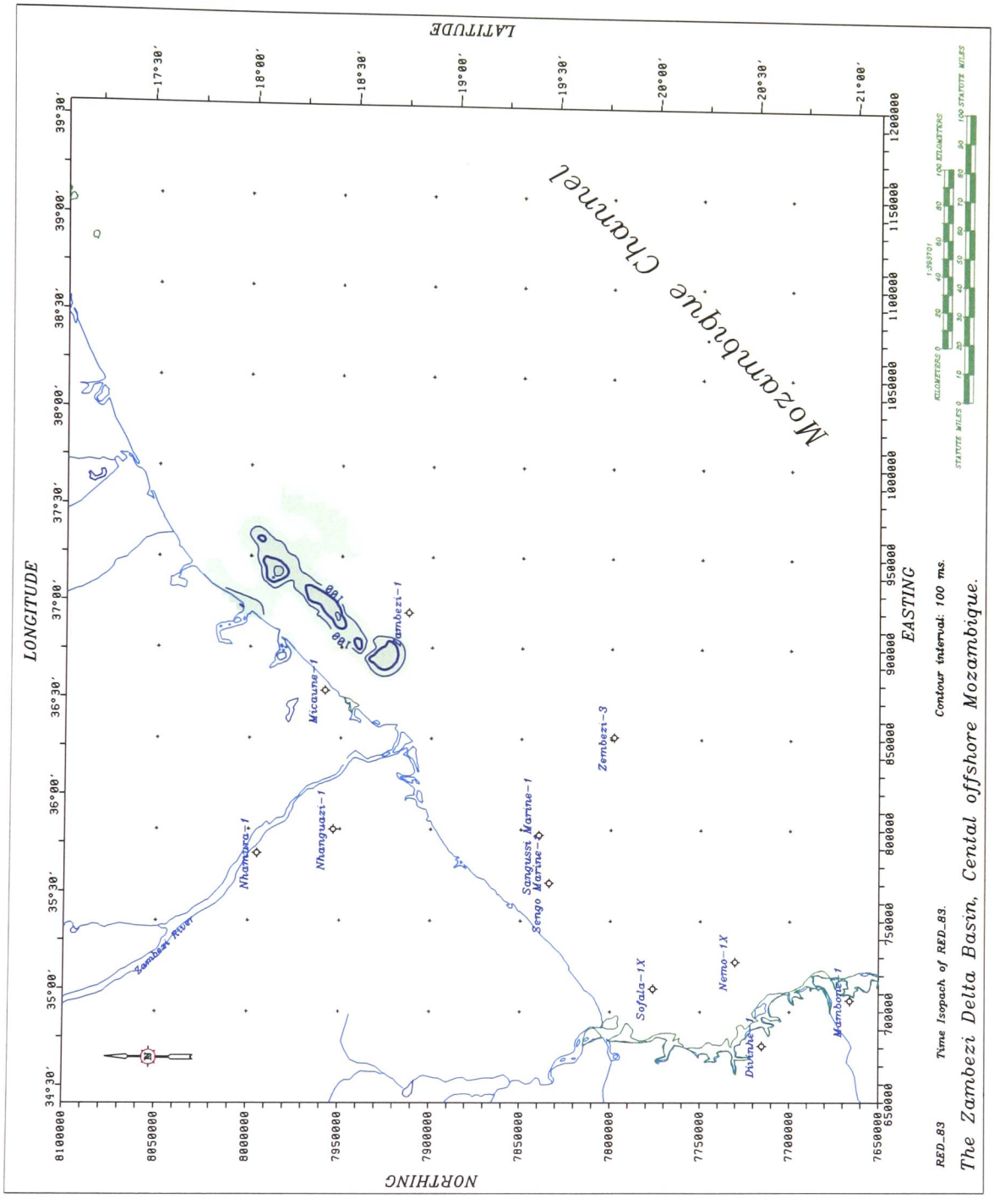

Figure C.22: Time isopach map of parasequence C5:4-2.

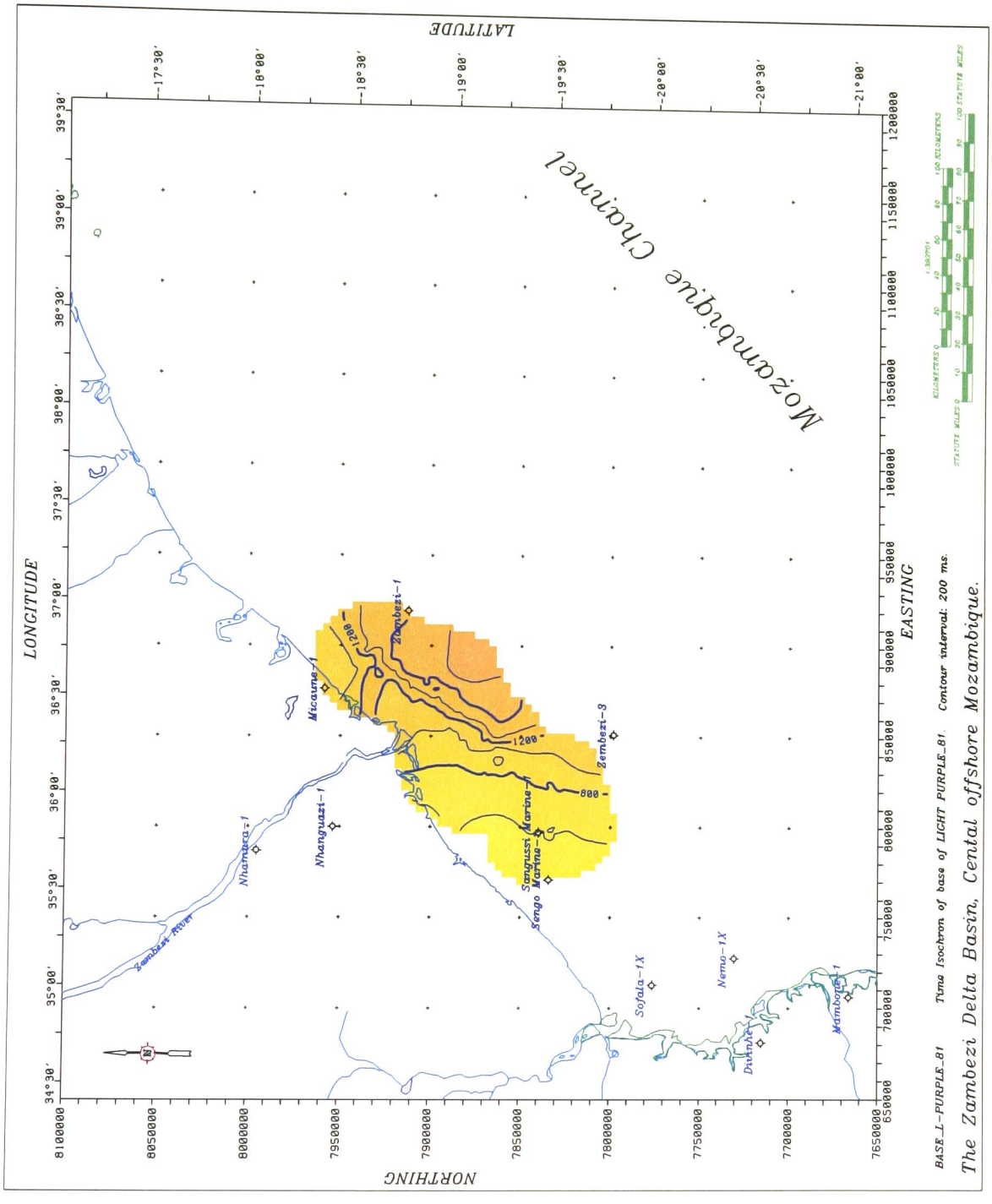

Figure C.23: Time isochron map of parasequence C5:4-3.

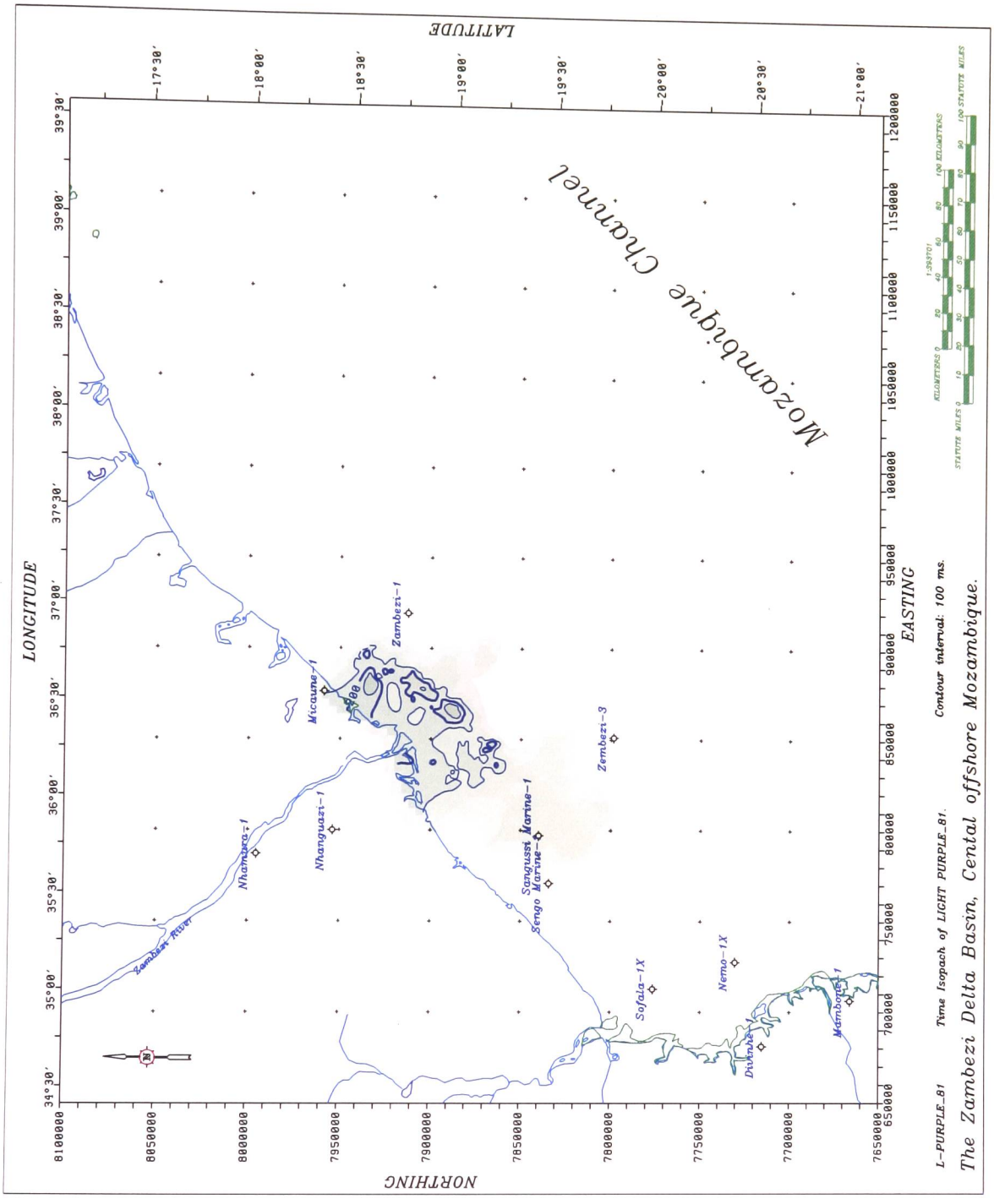

Figure C.24: Time isopach map of parasequence C5:4-3.

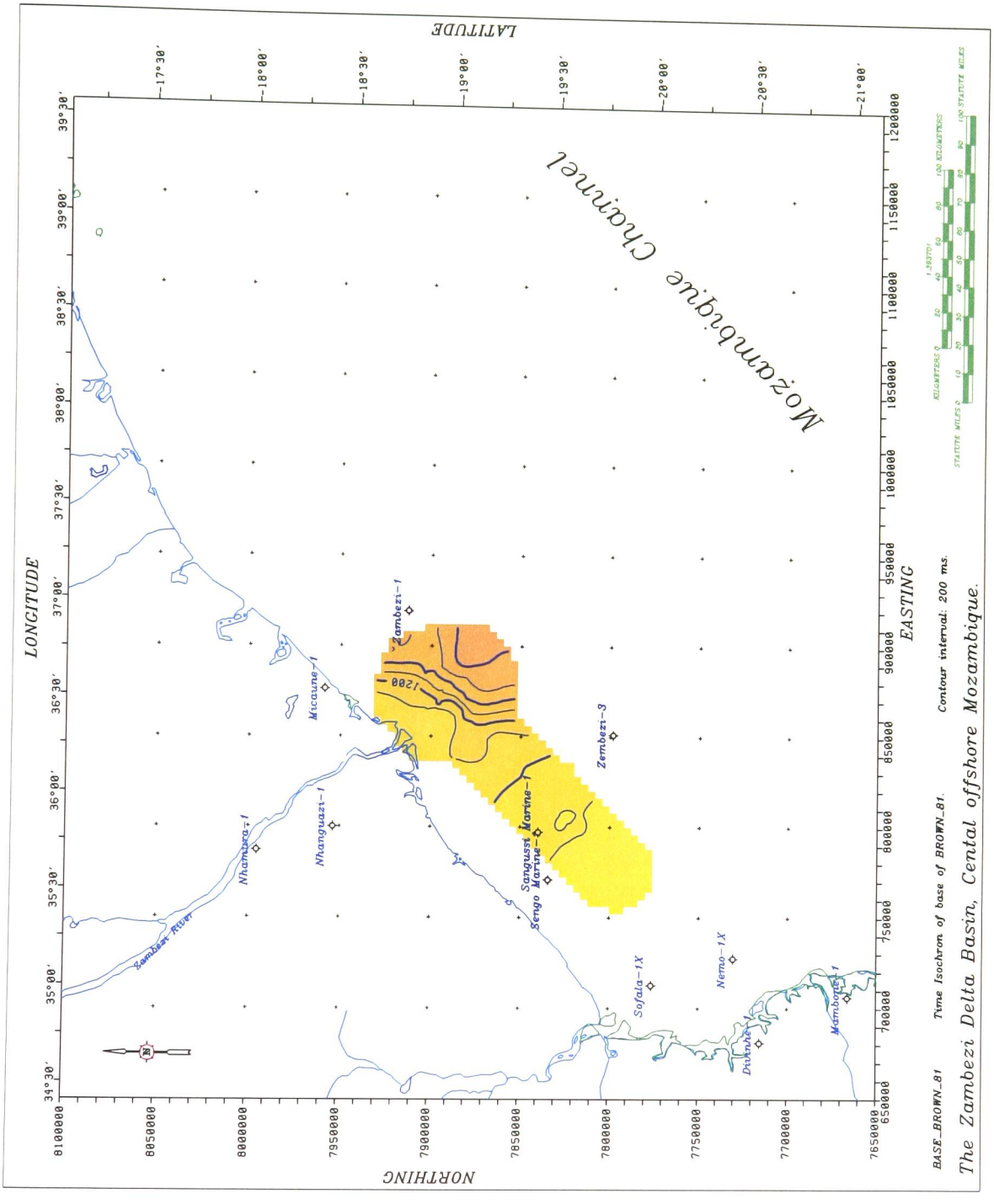

Figure C.25: Time isochron map of parasequence C5:4-4.

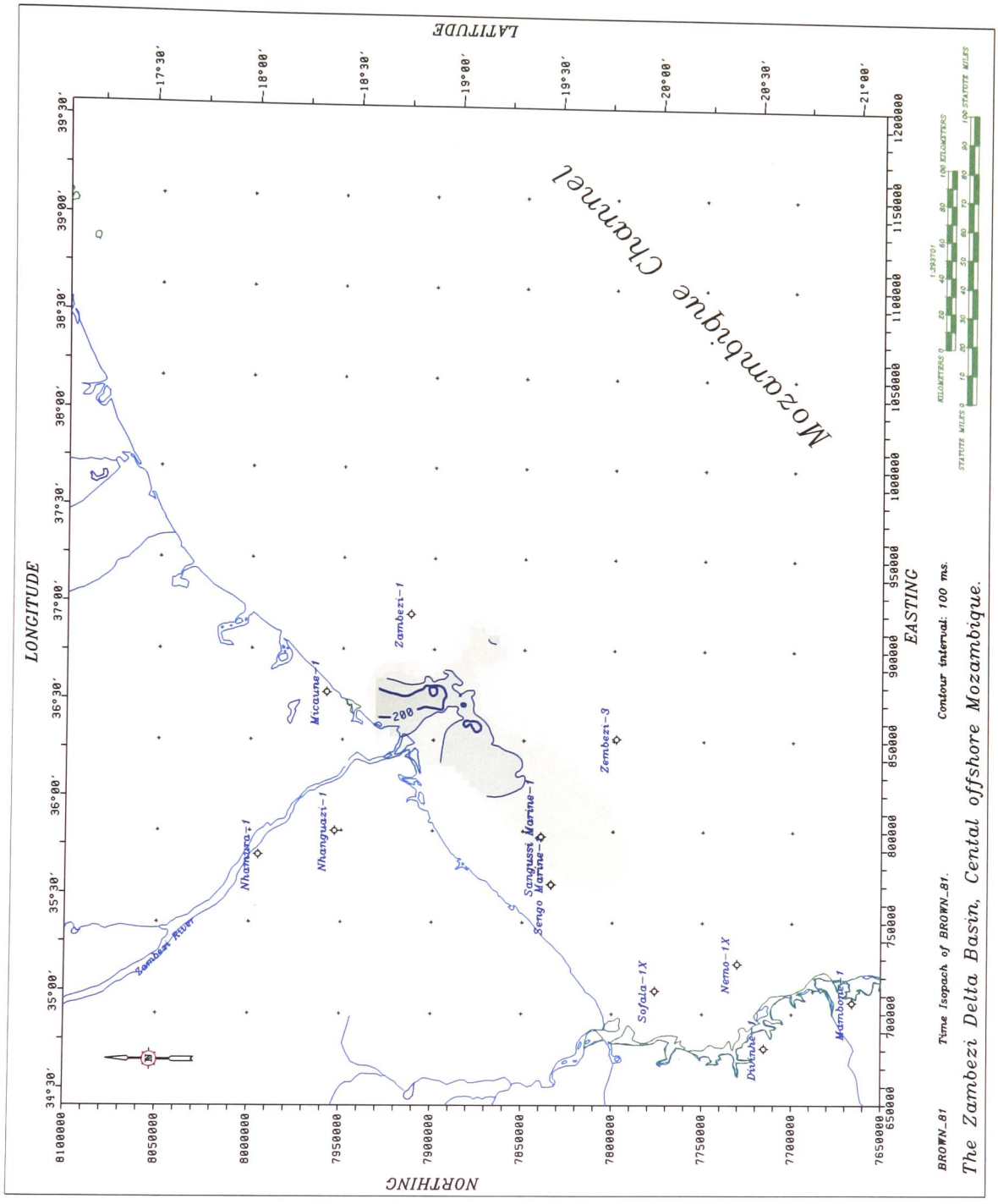

Figure C.26: Time isopach map of parasequence C5:4-4.

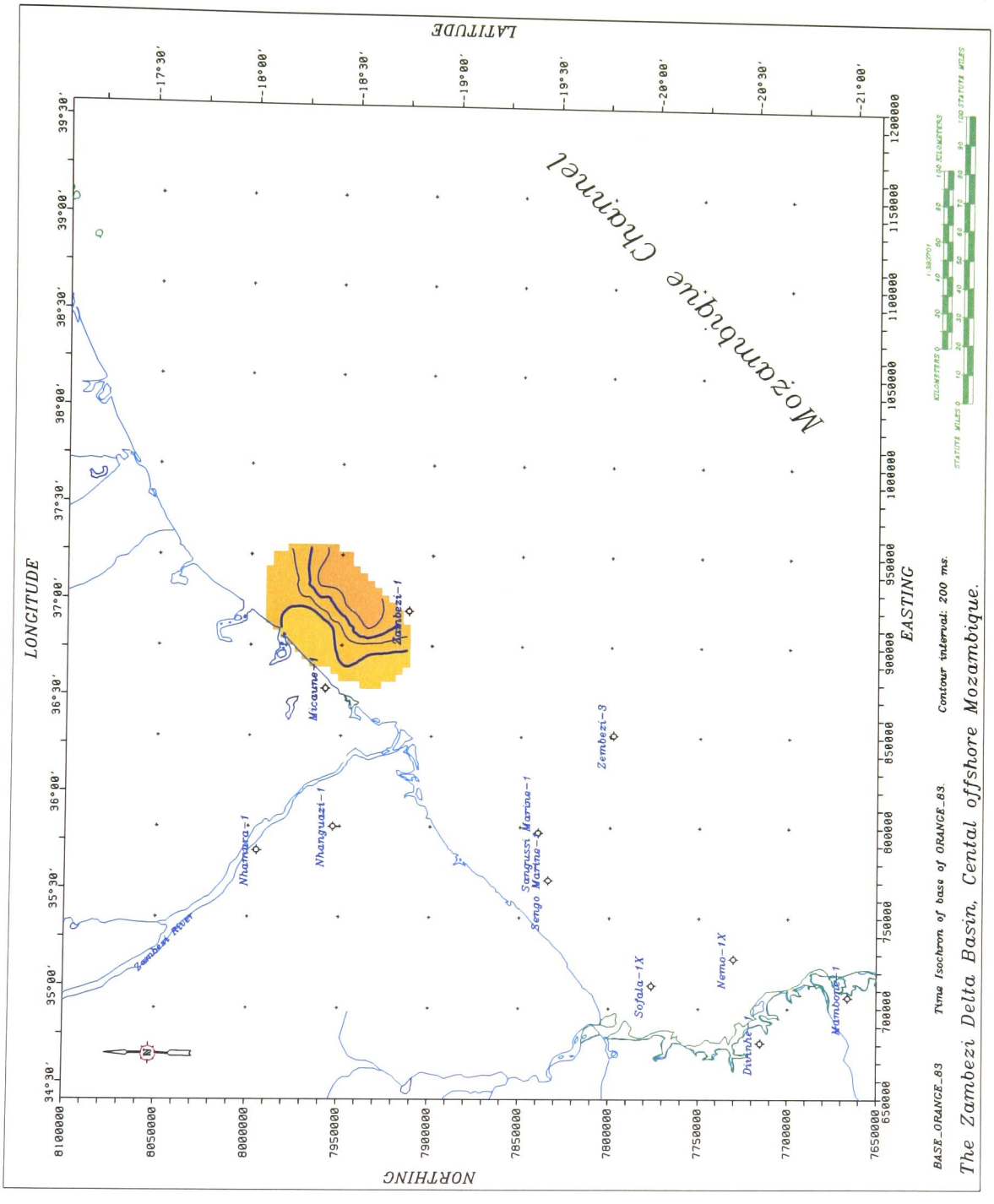

Figure C.27: Time isochron map of parasequence C6:3-1.

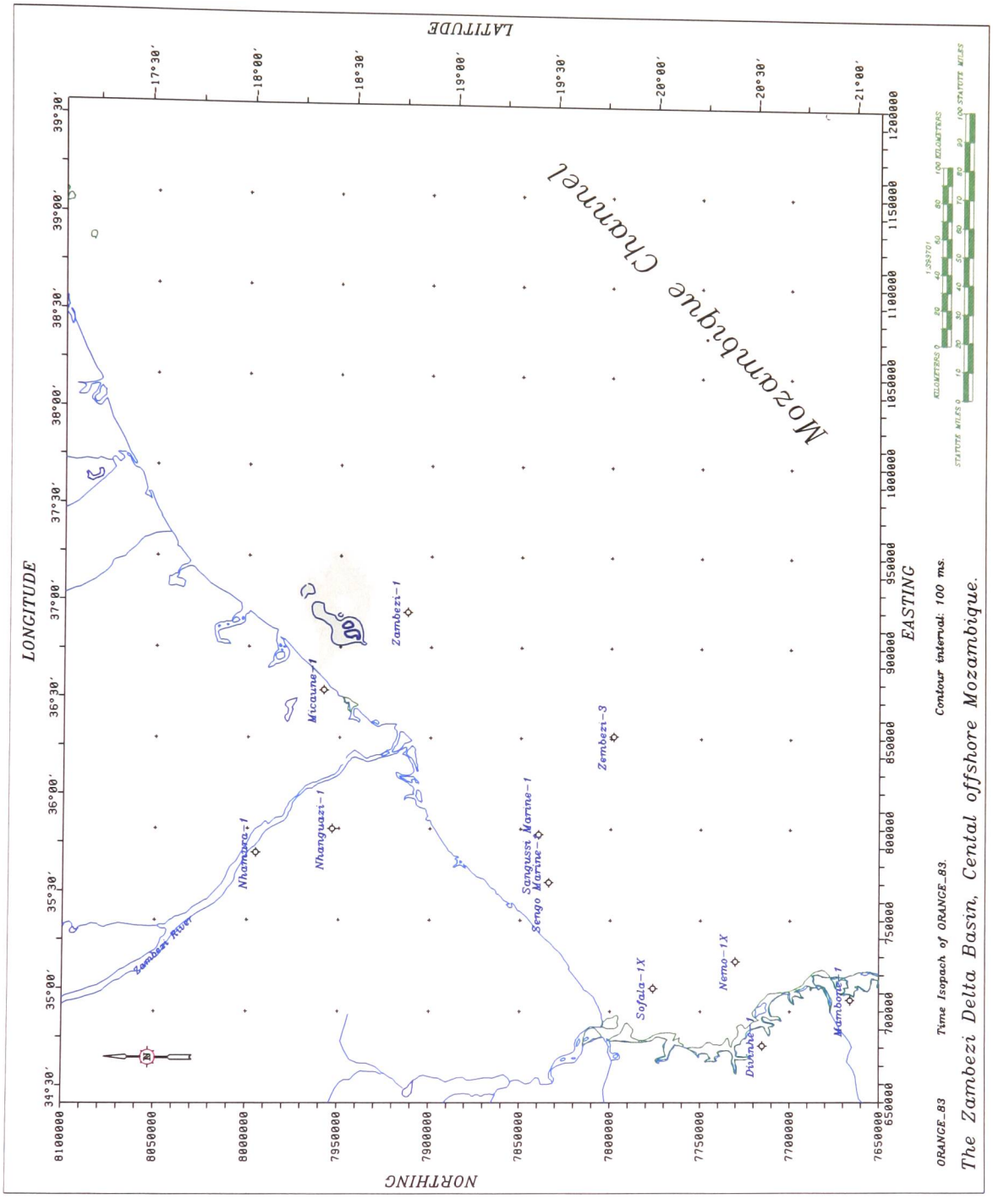

Figure C.28: Time isopach map of parasequence C6:3-1.

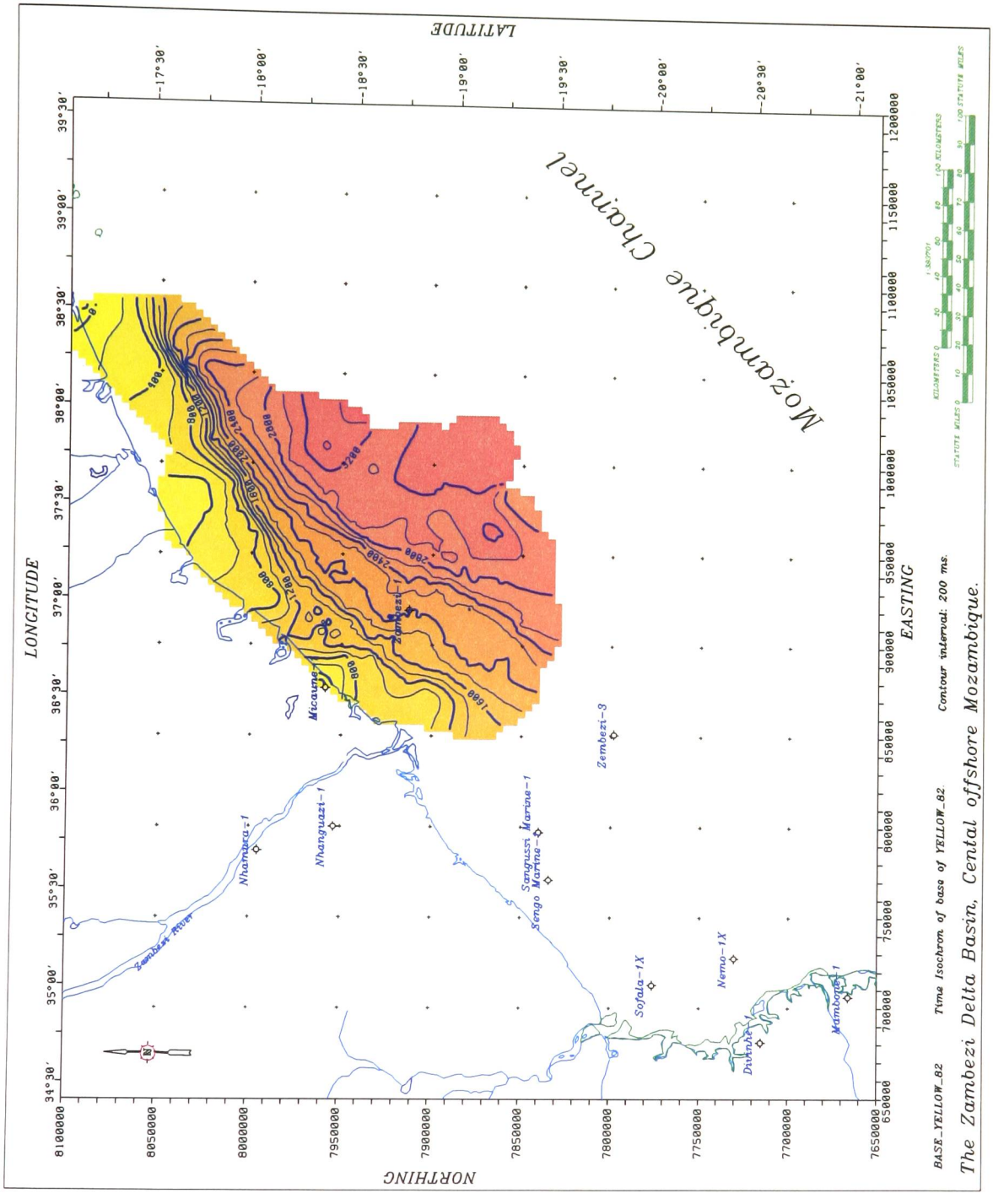

Figure C.29: Time isochron map of parasequence C6:3-2.

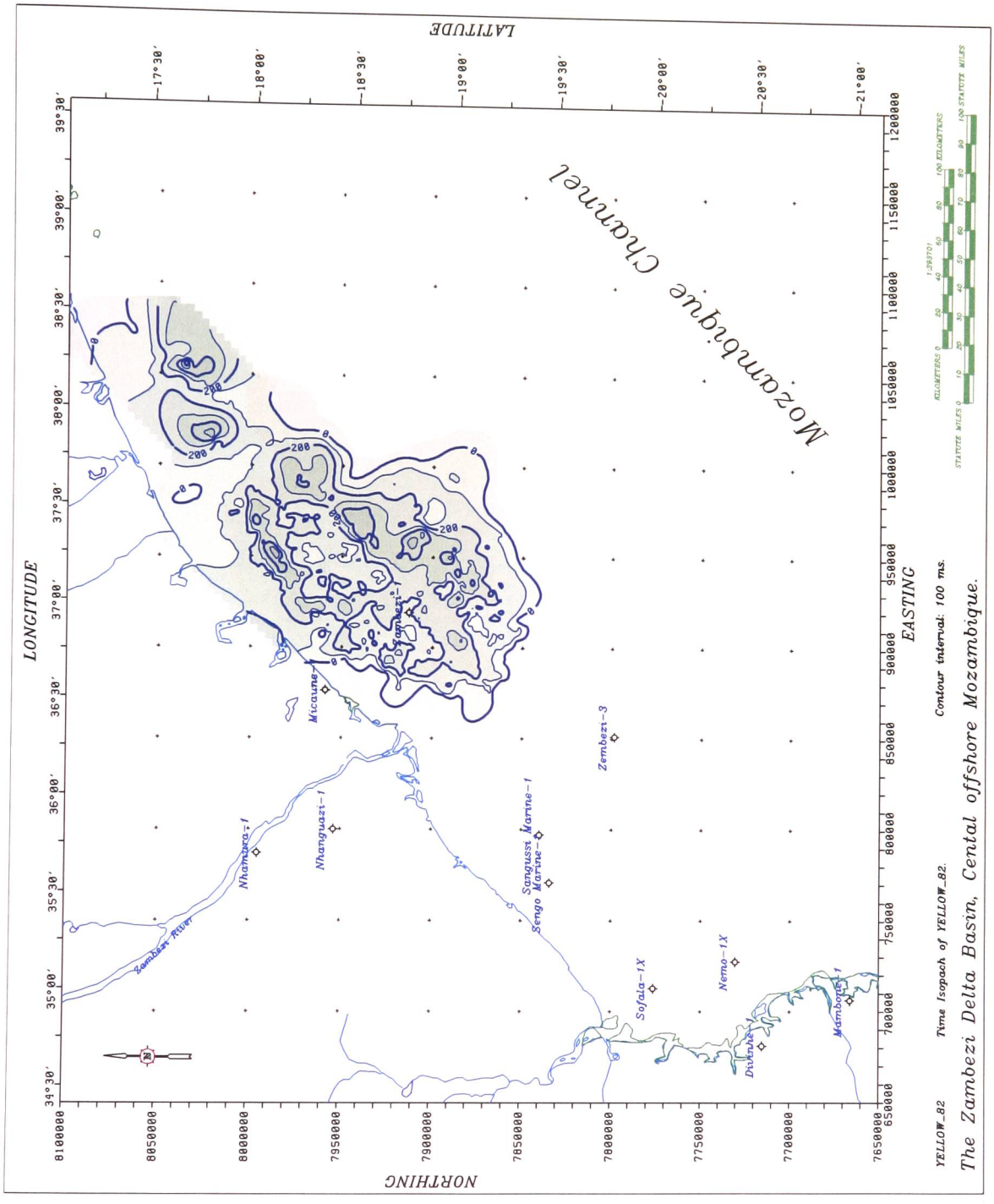

Figure C.30: Time isopach map of parasequence C6:3-2.

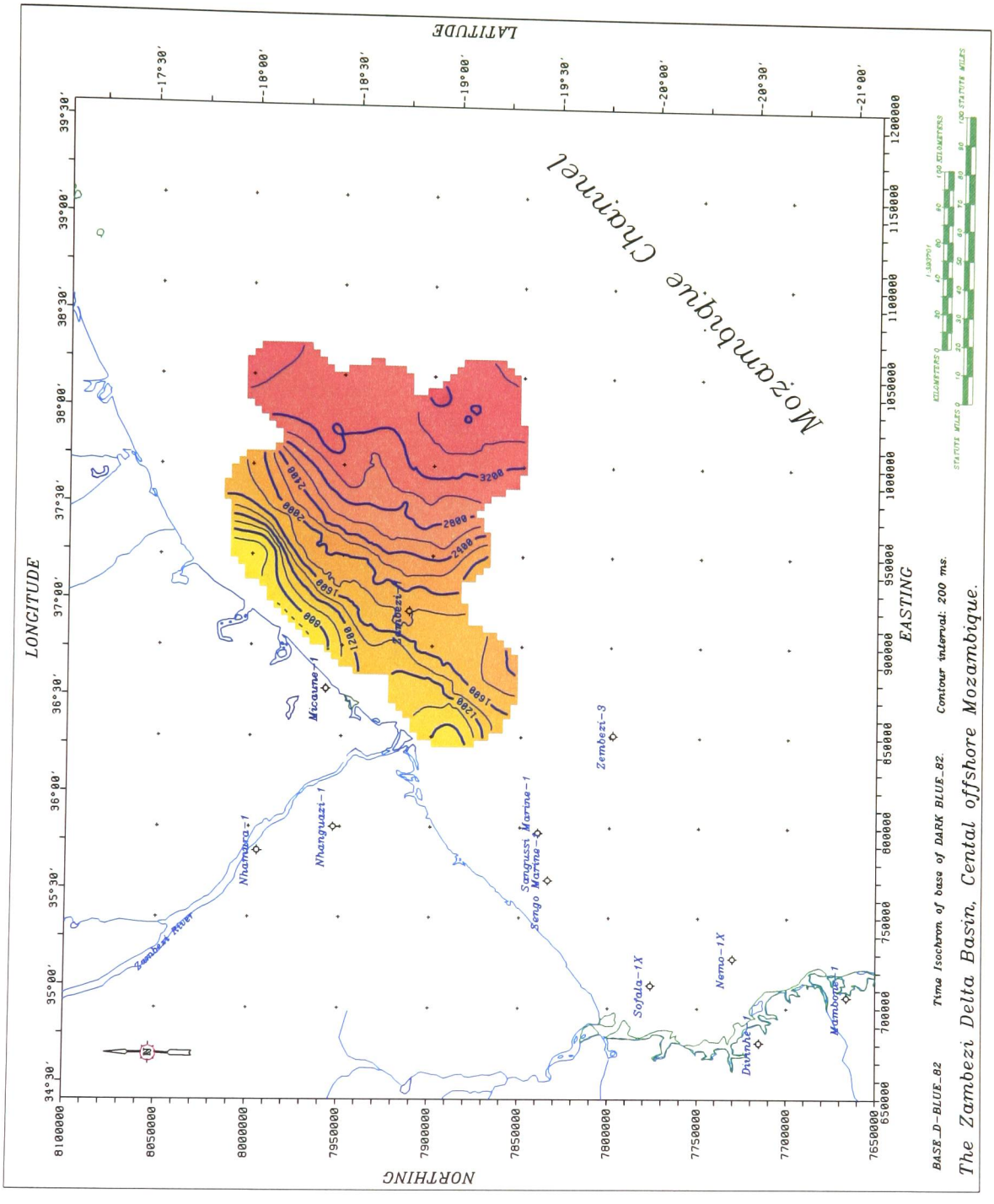

Figure C.31: Time isochron map of parasequence C6:3-3.

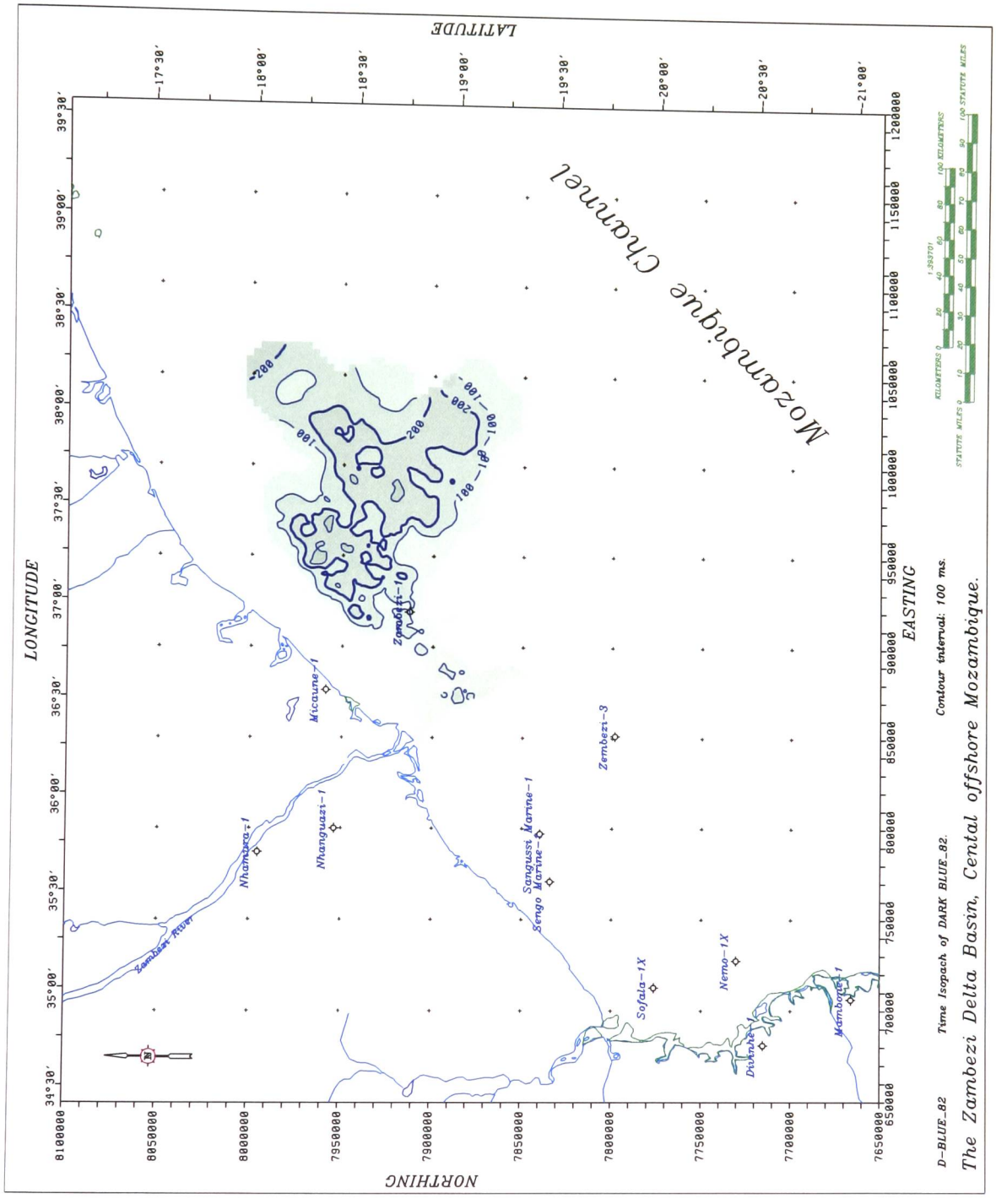

Figure C.32: Time isopach map of parasequence C6:3-3.

Figure C.33: Time isochron map of parasequence C7:2-1.

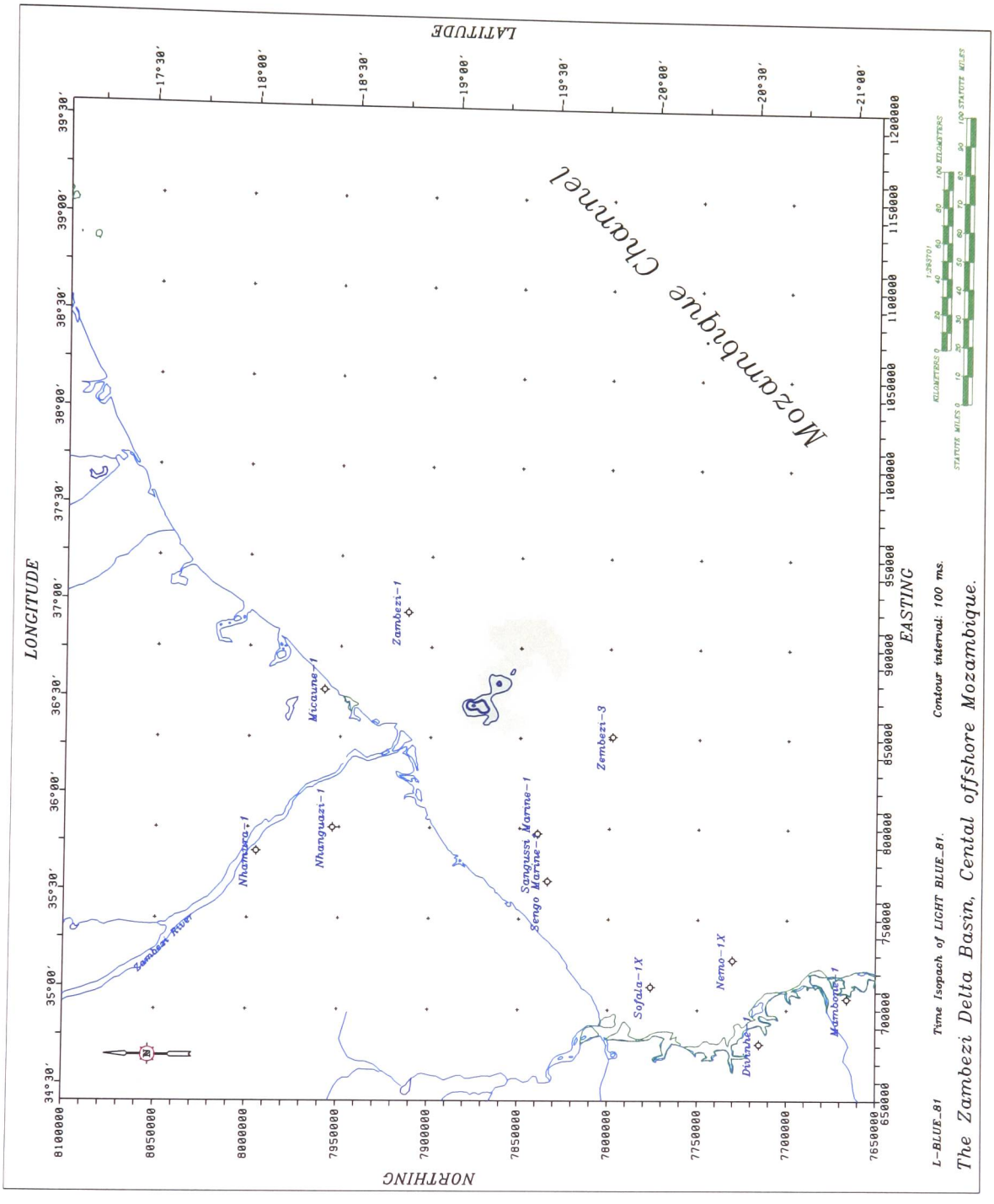

Figure C.34: Time isopach map of parasequence C7:2-1.

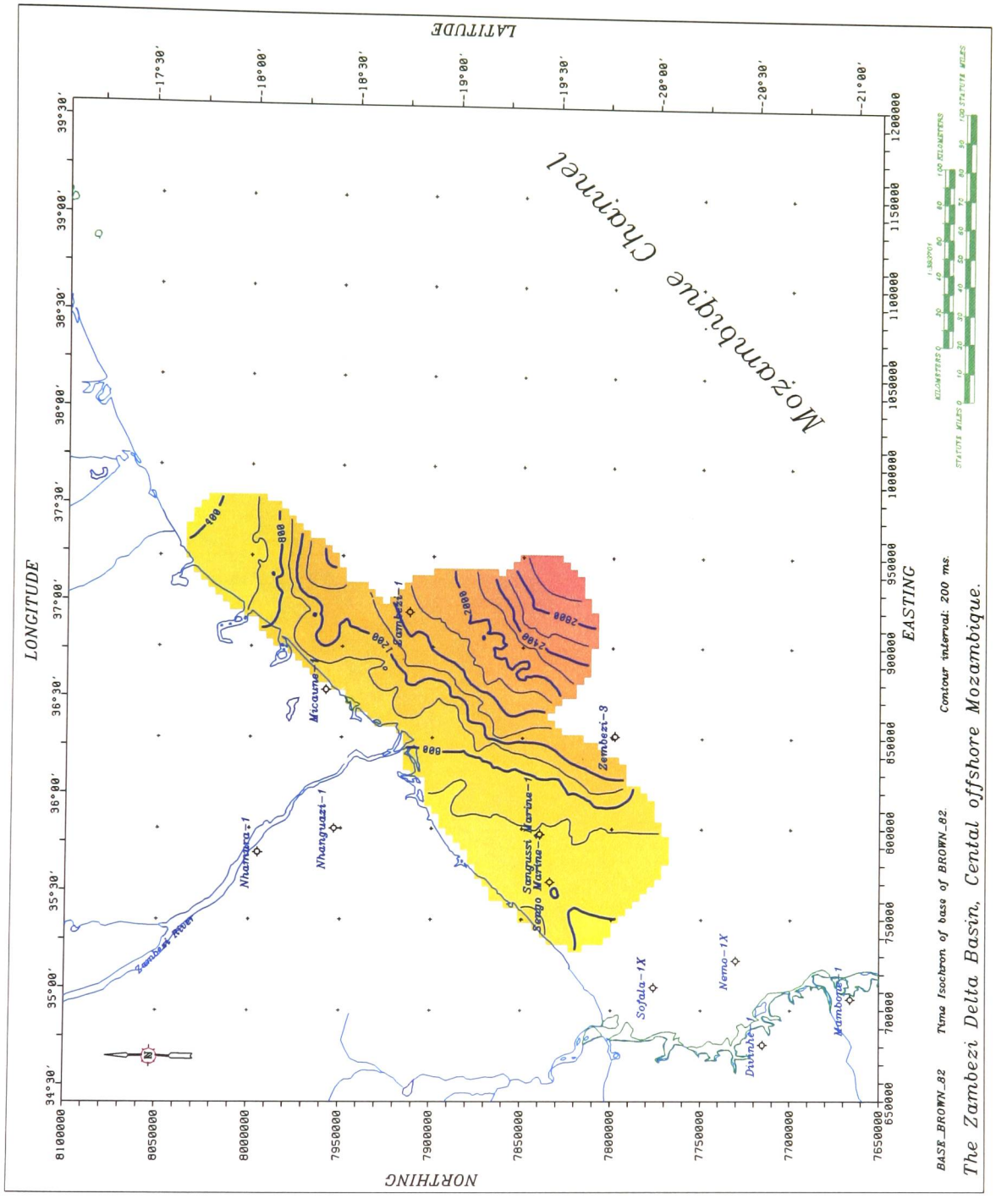

Figure C.35: Time isochron map of parasequence C7:2-2.

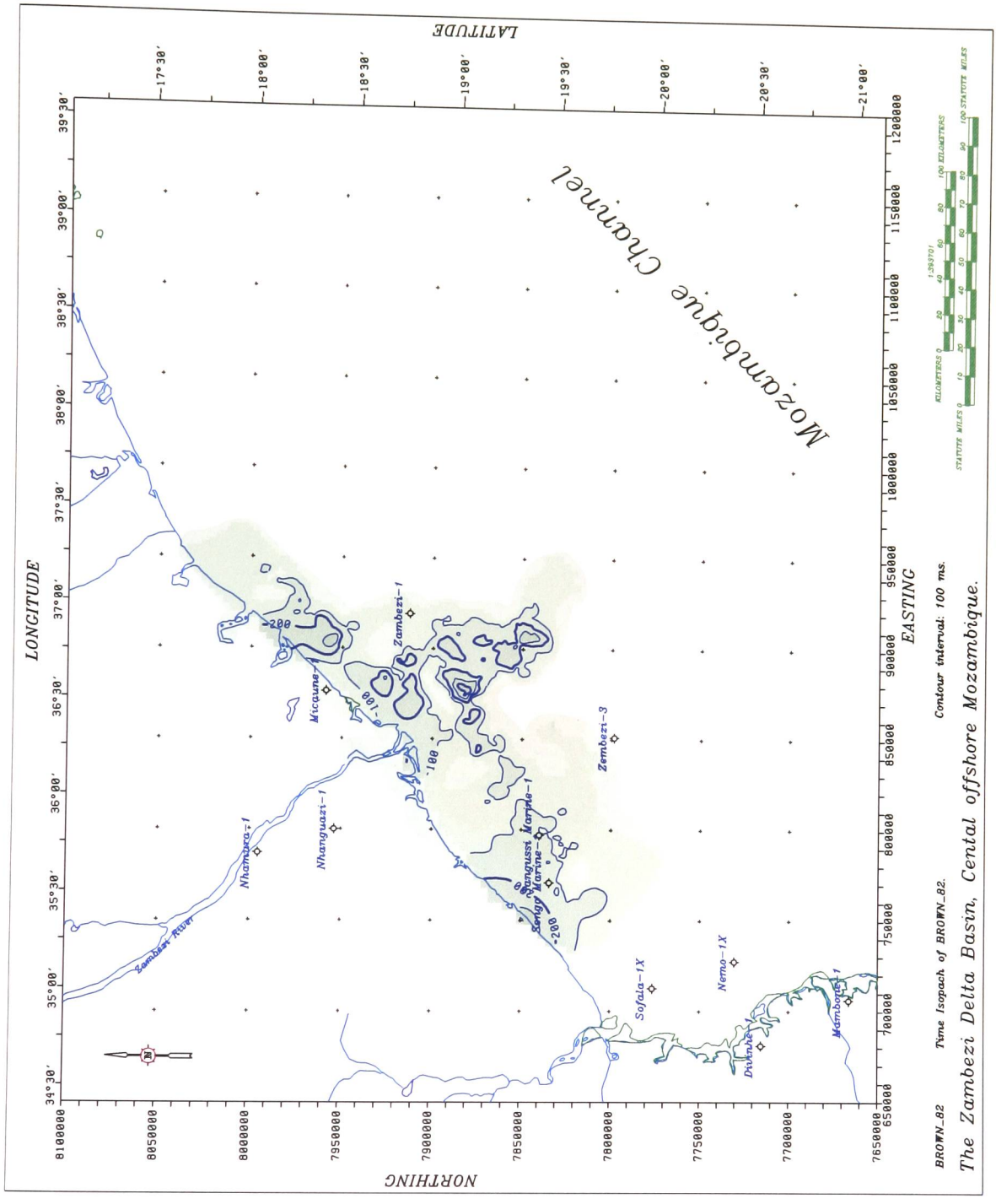

Figure C.36: Time isopach map of parasequence C7:2-2.

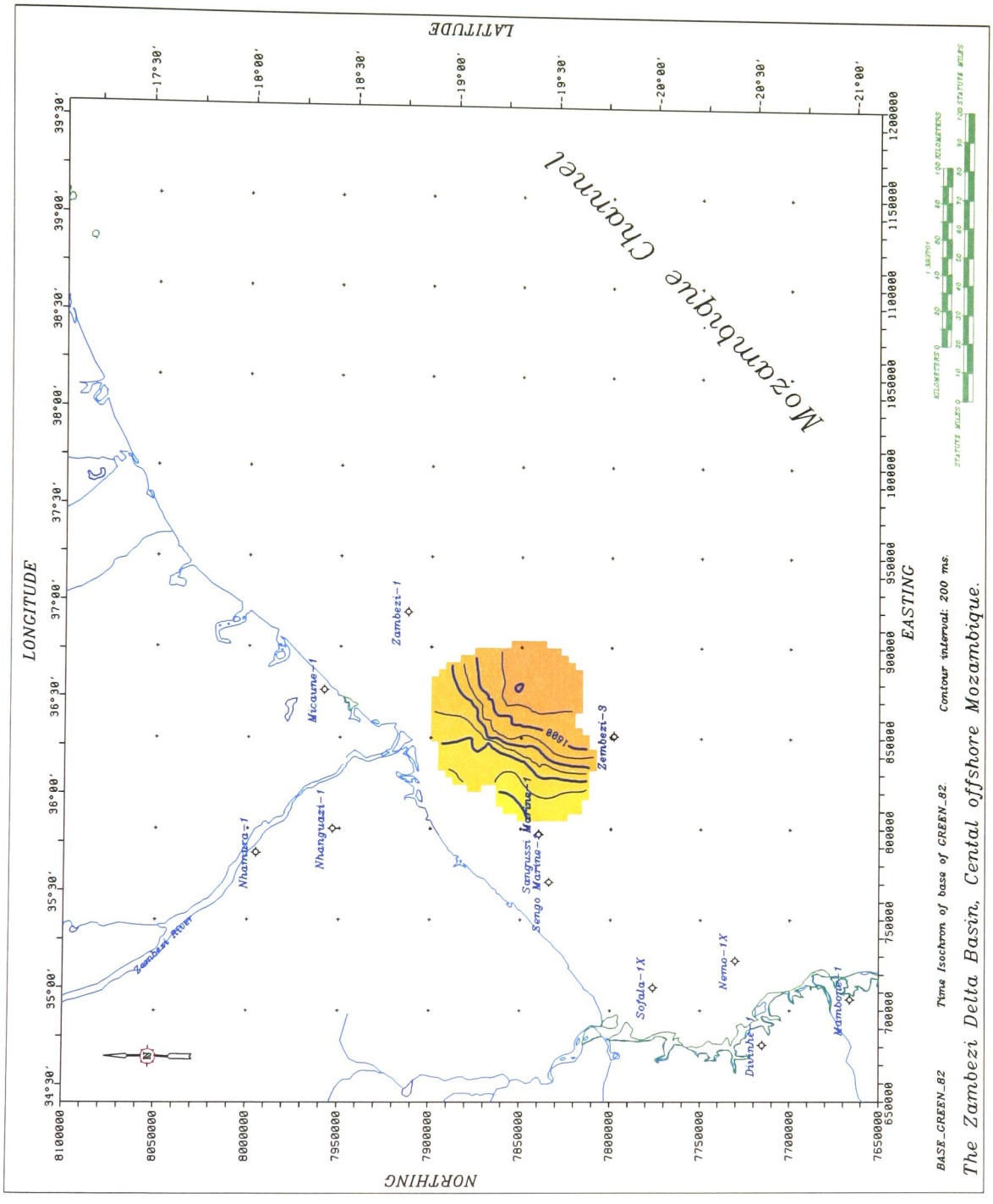

Figure C.37: Time isochron map of parasequence C8:3-1.

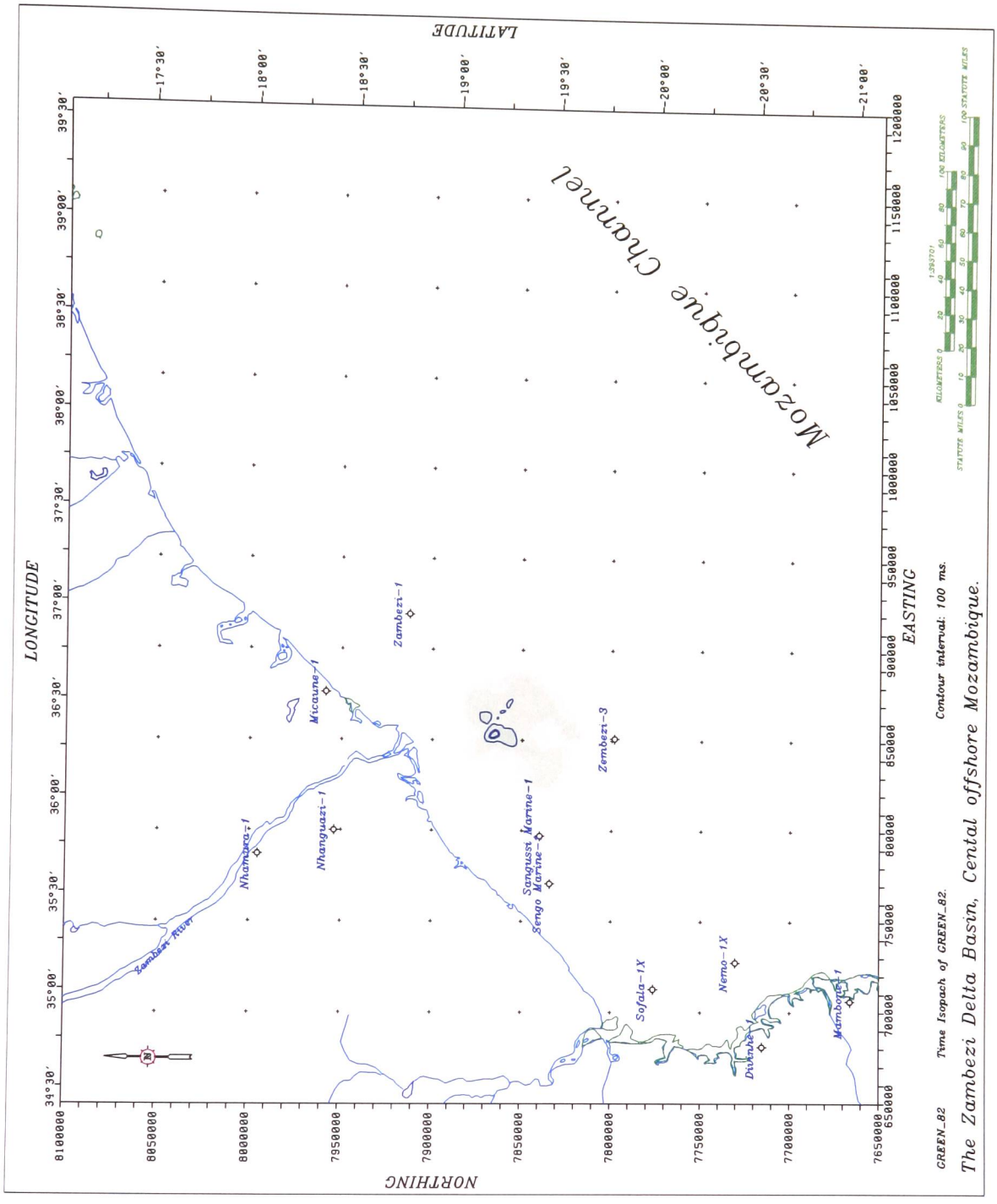

Figure C.38: Time isopach map of parasequence C8:3-1.

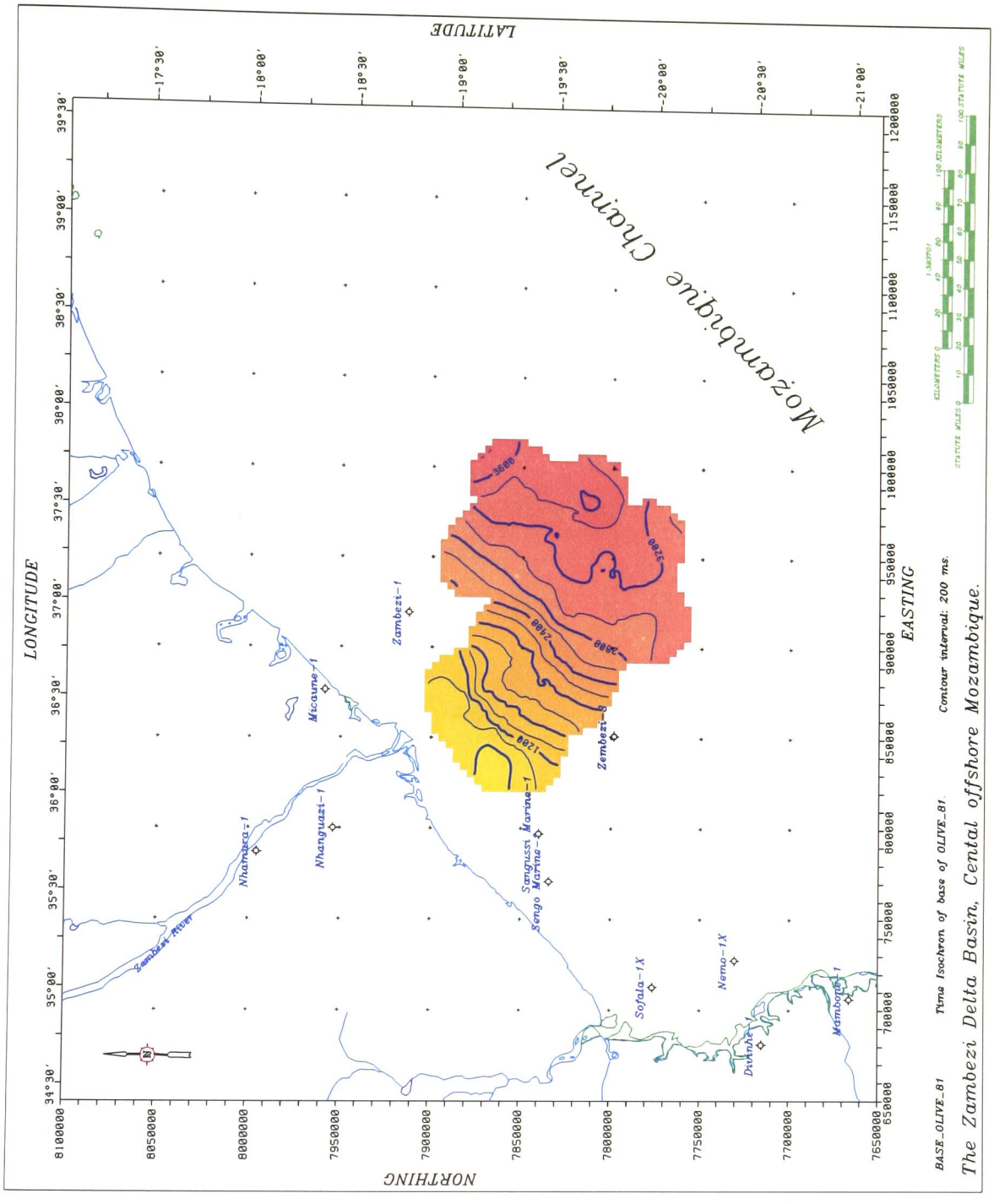

Figure C.39: Time isochron map of parasequence C8:3-2.

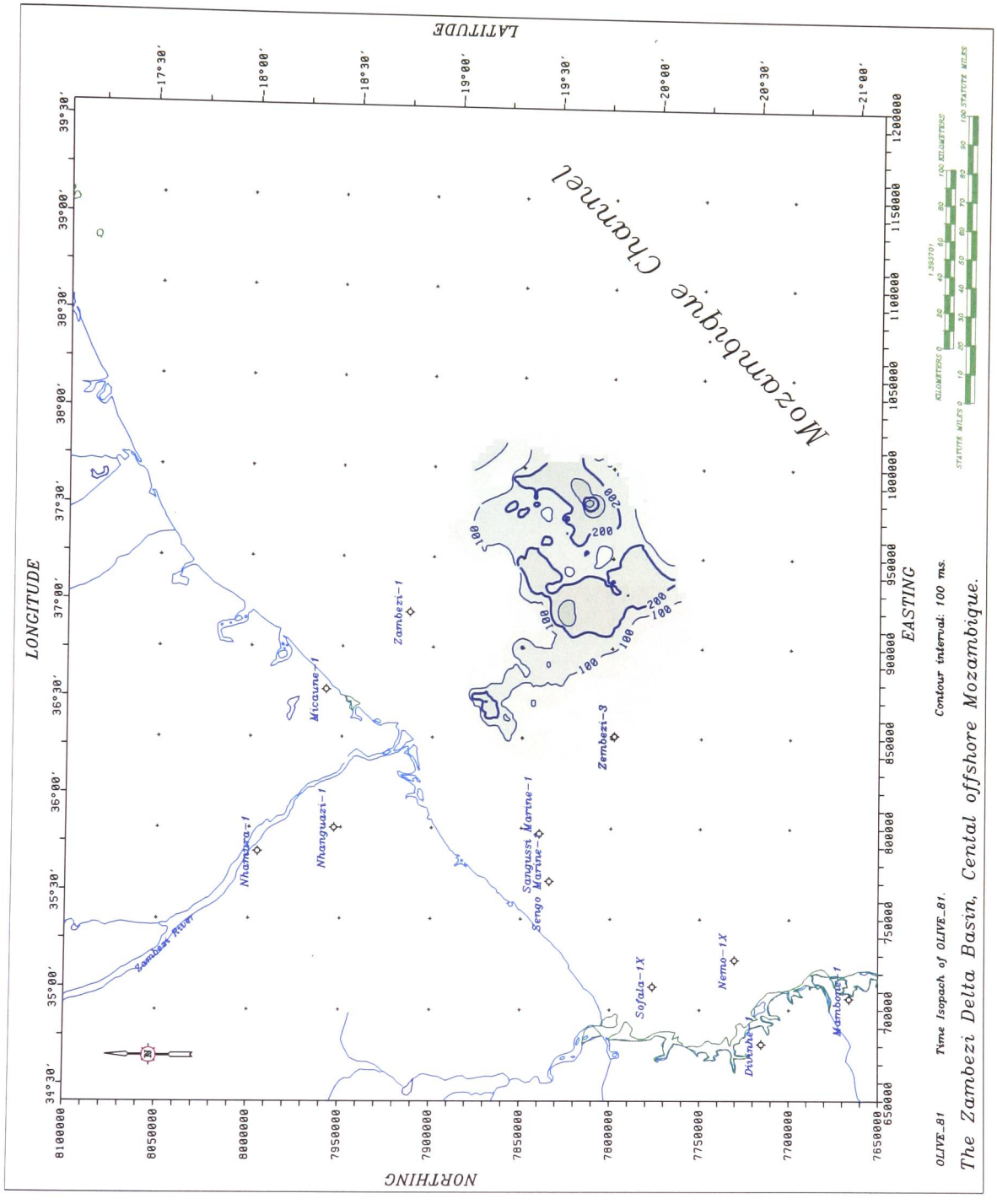

Figure C.40: Time isopach map of parasequence C8:3-2.

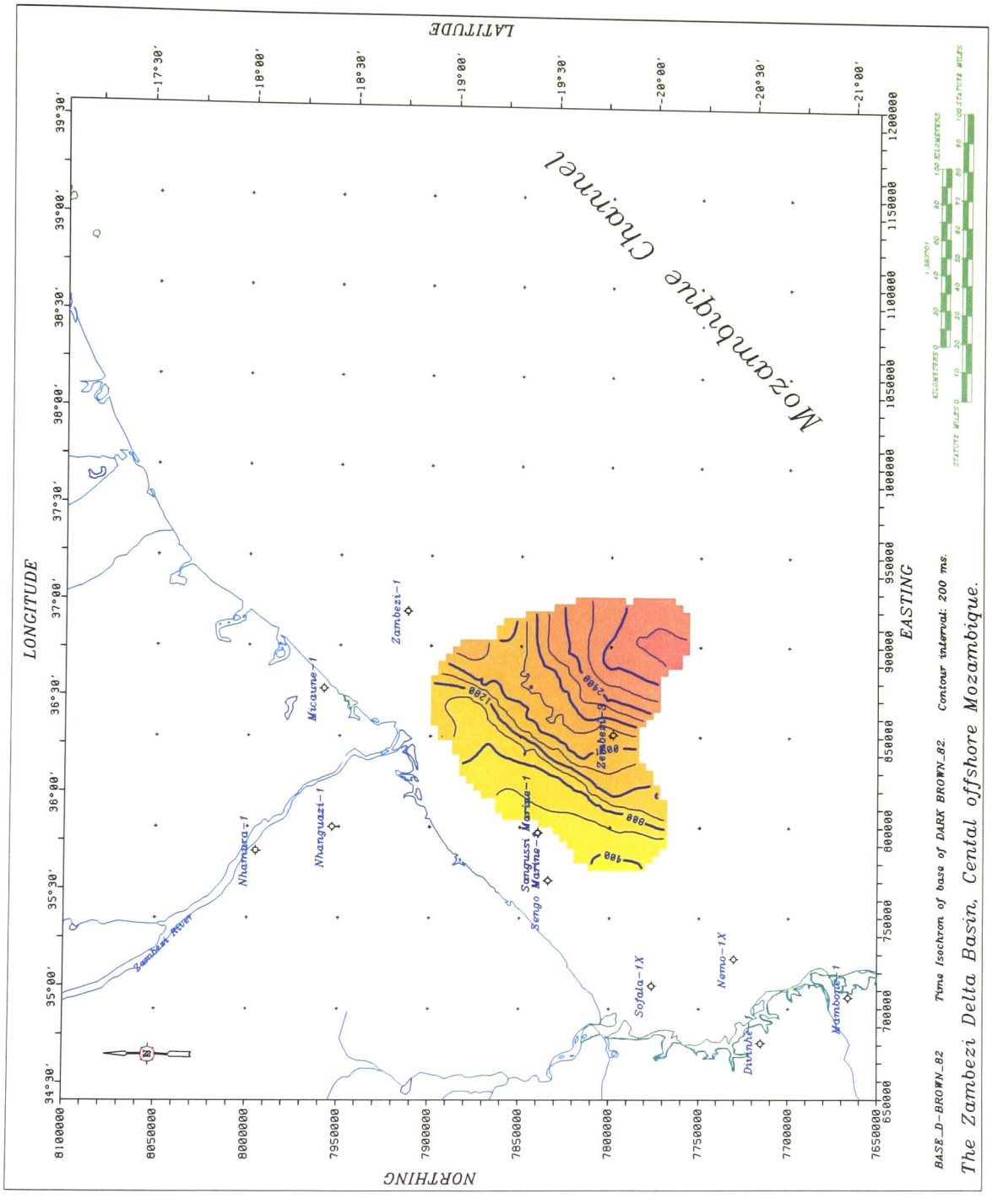

Figure C.41: Time isochron map of parasequence C8:3-3.

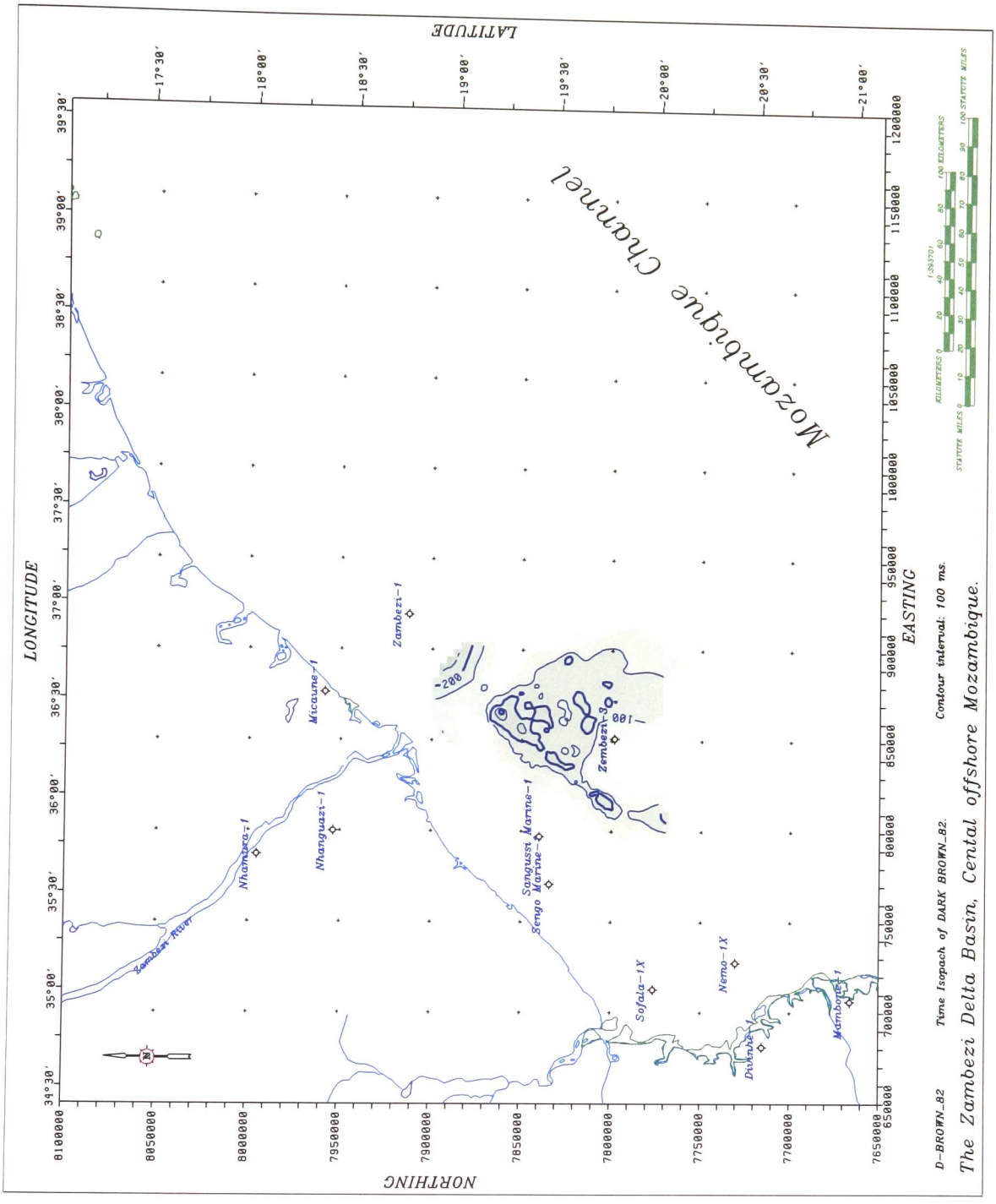

Figure C.42: Time isopach map of parasequence C8:3-3.

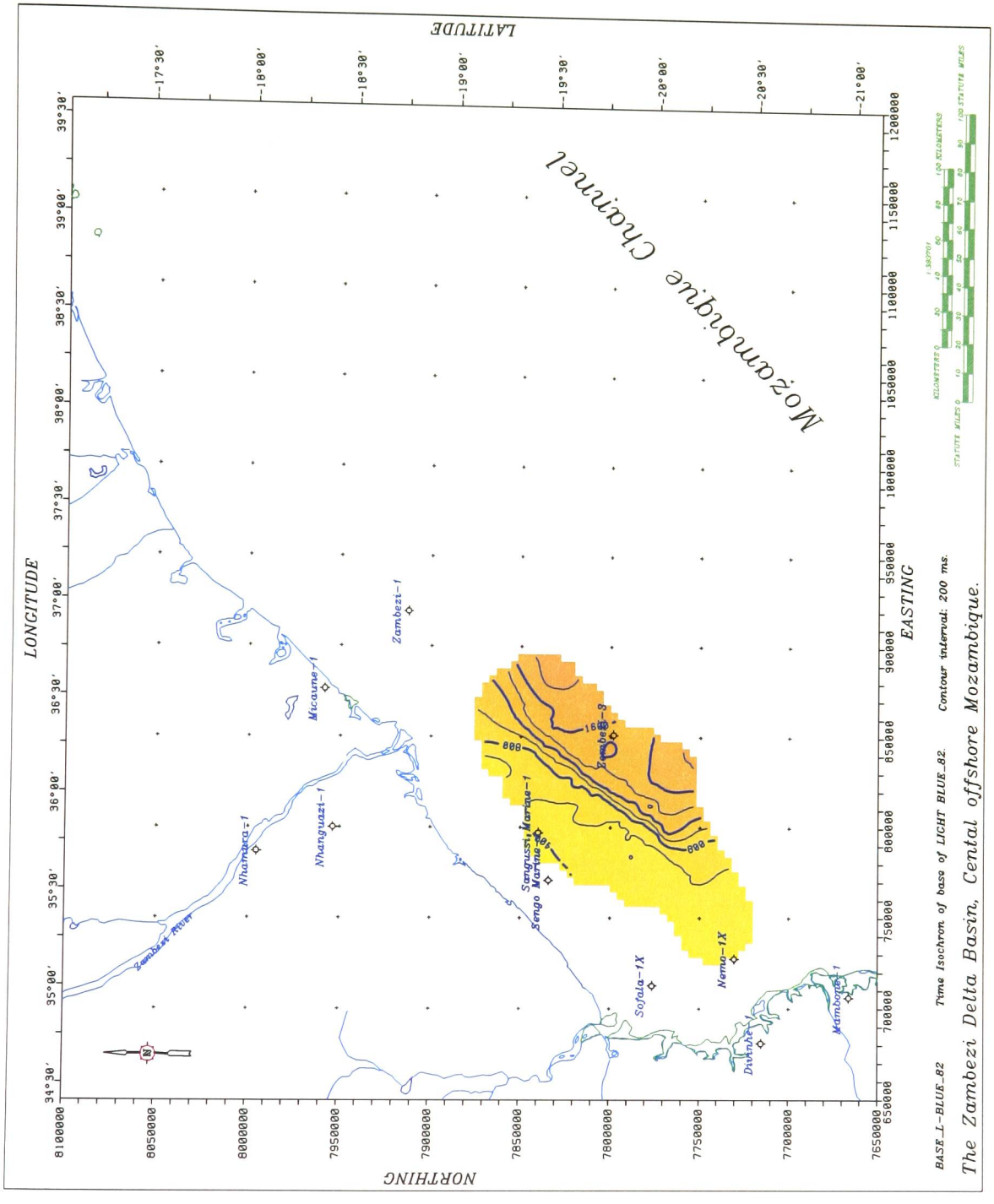

Figure C.43: Time isochron map of parasequence C9:3-1.

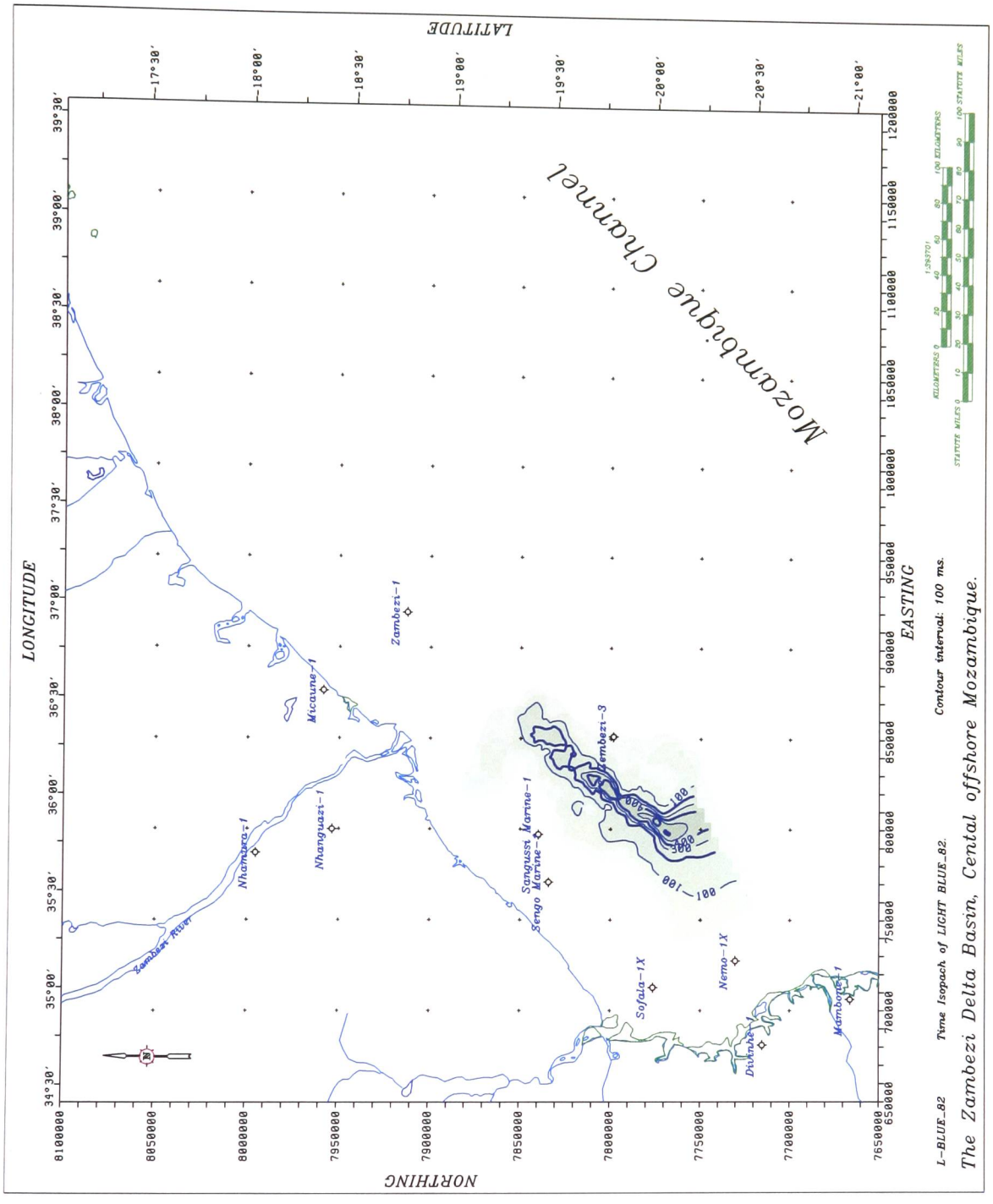

Figure C.44: Time isopach map of parasequence C9:3-1.

Figure C.45: Time isochron map of parasequence C9:3-2.

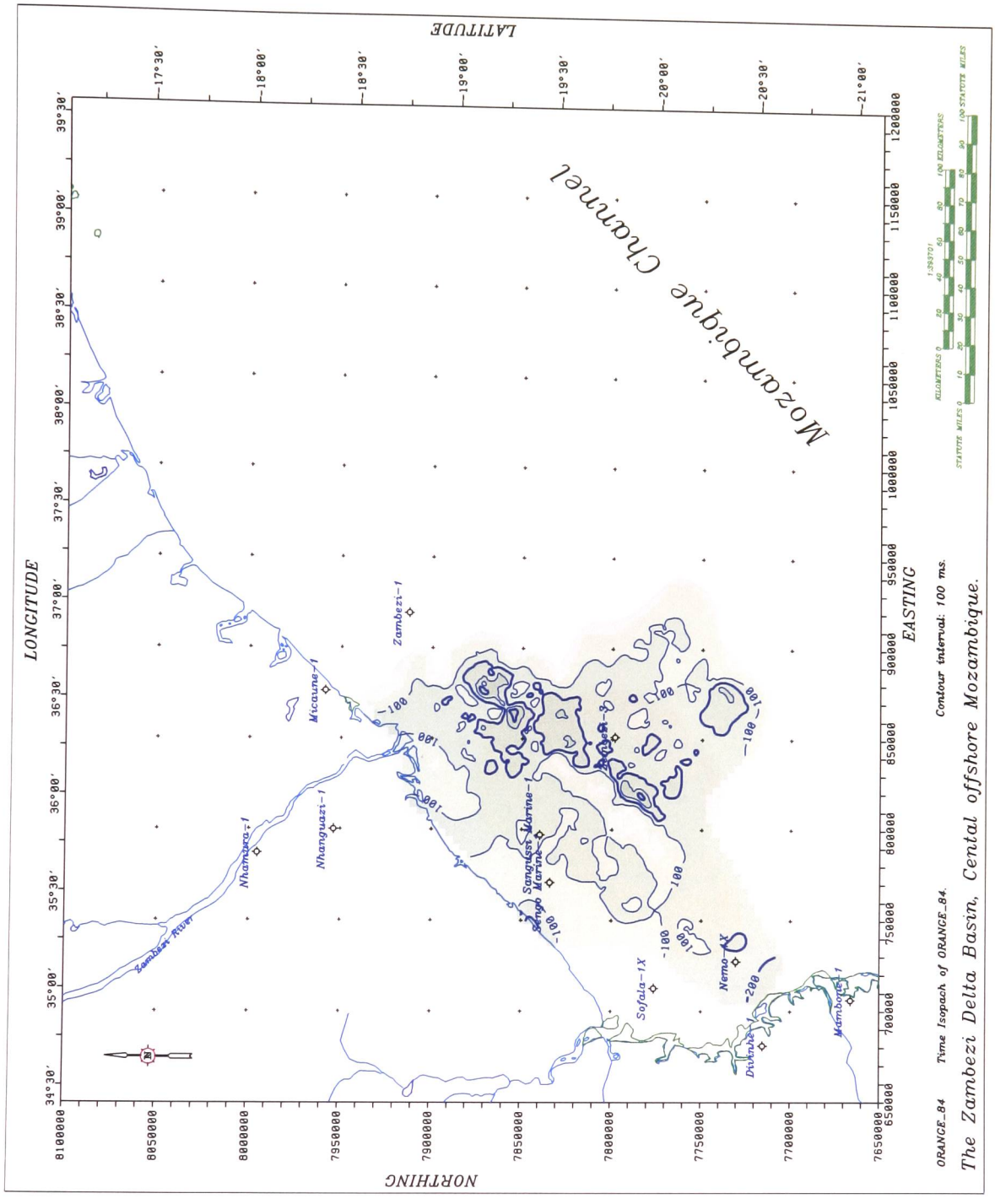

Figure C.46: Time isopach map of parasequence C9:3-2.

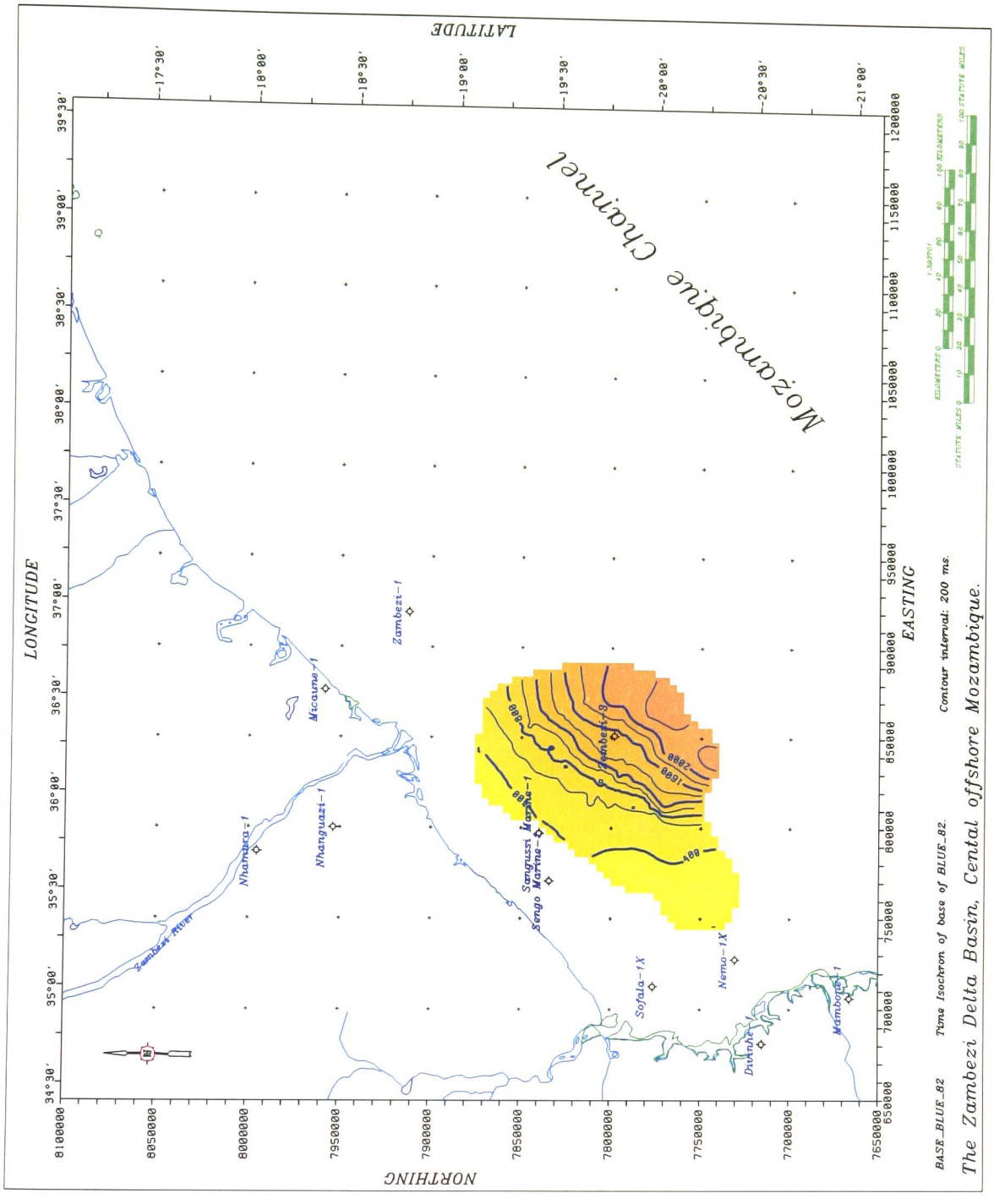

Figure C.47: Time isochron map of parasequence C9:3-3.

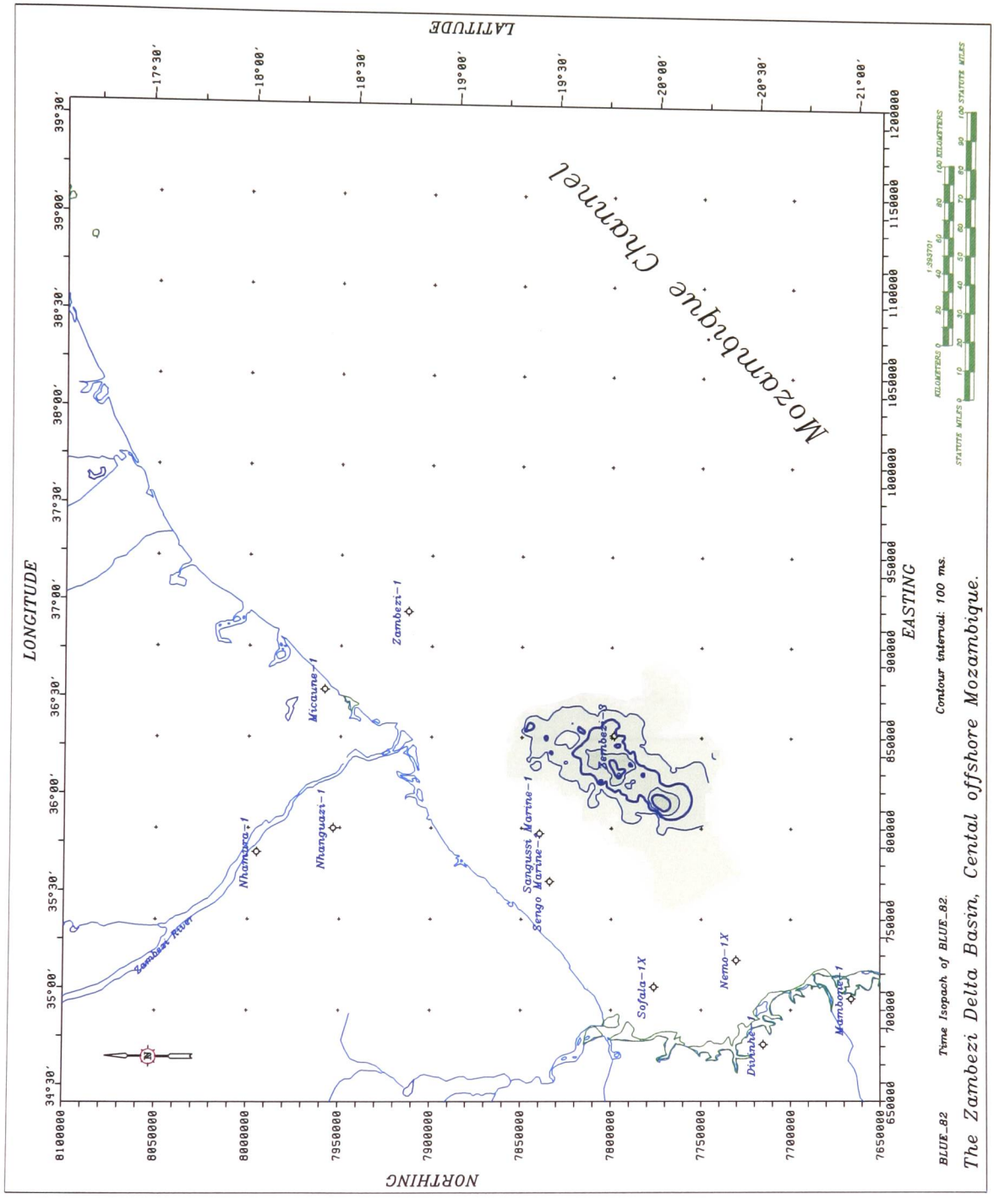

Figure C.48: Time isopach map of parasequence C9:3-3.

Appendix D

Top Upper Miocene to Top Tertiary sedimentary succession of the Zambezi Delta Basin.

Isochron and isopach maps of Top Upper Miocene to Top Tertiary sedimentary succession (eleven depositional cycles).

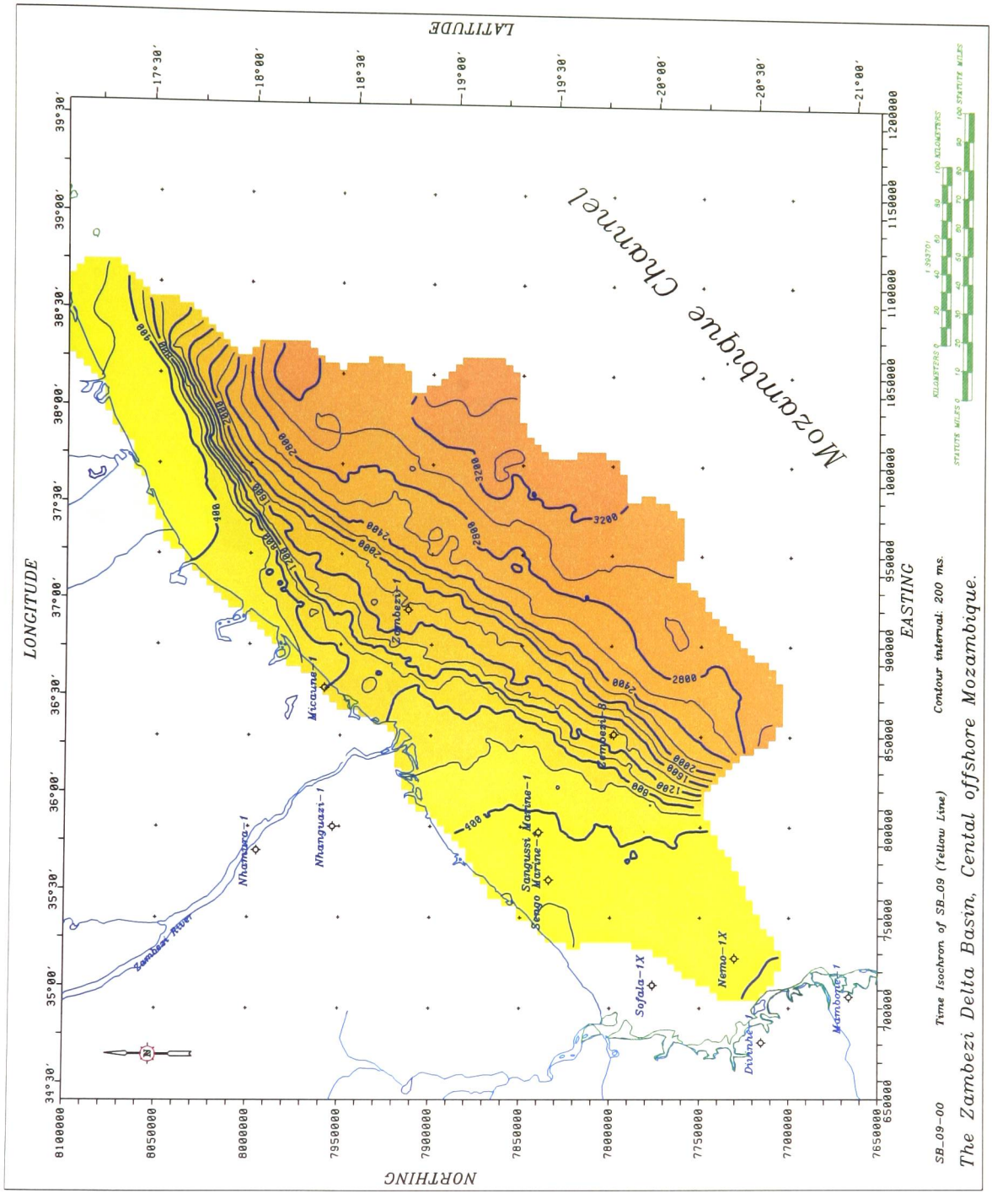

Figure D.1: The Top Upper Miocene time (TWT) isochron map offshore the Zambezi Delta Basin.

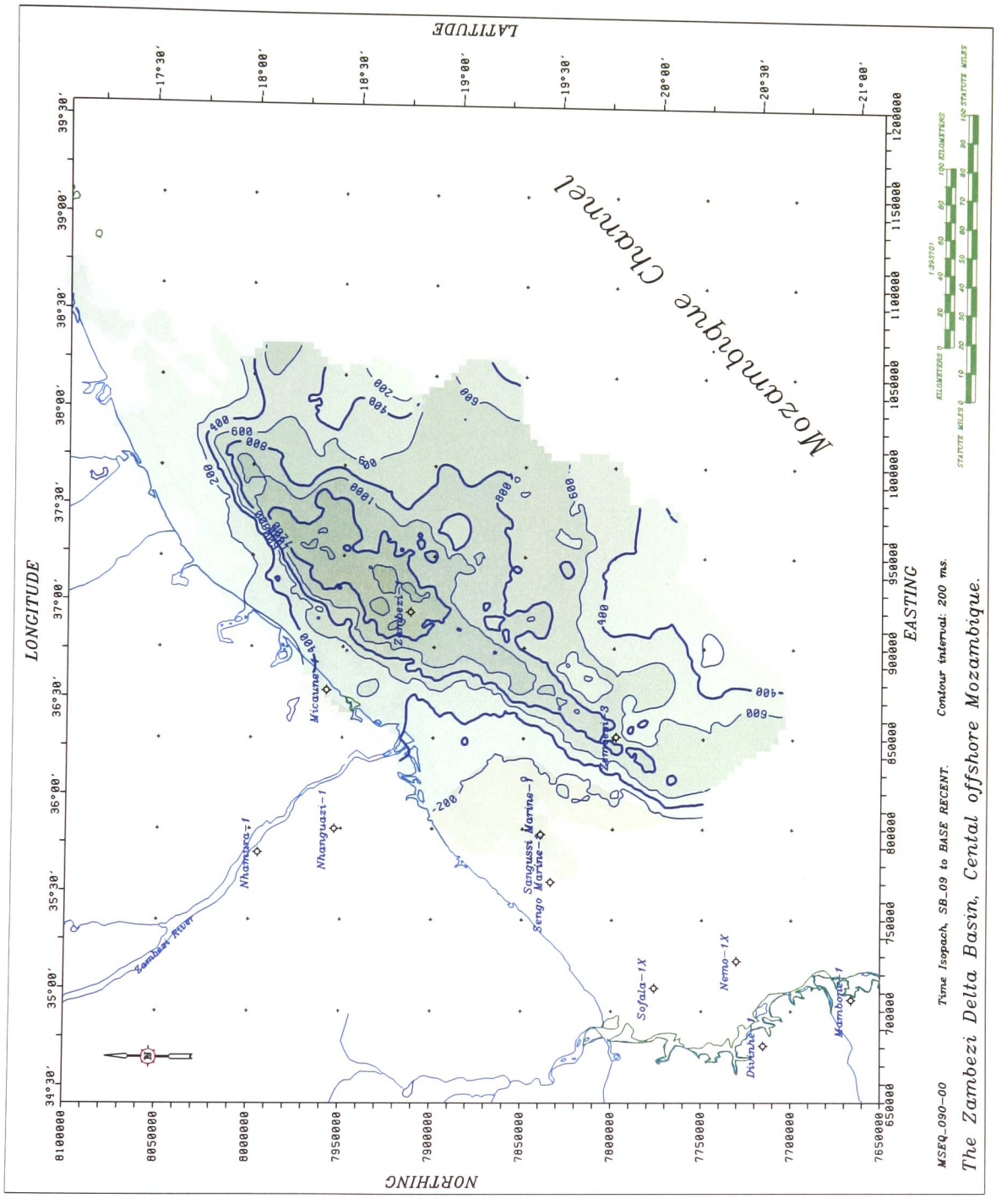

Figure D.2: The Pliocene time (TWT) isopach map offshore the Zambezi Delta Basin.

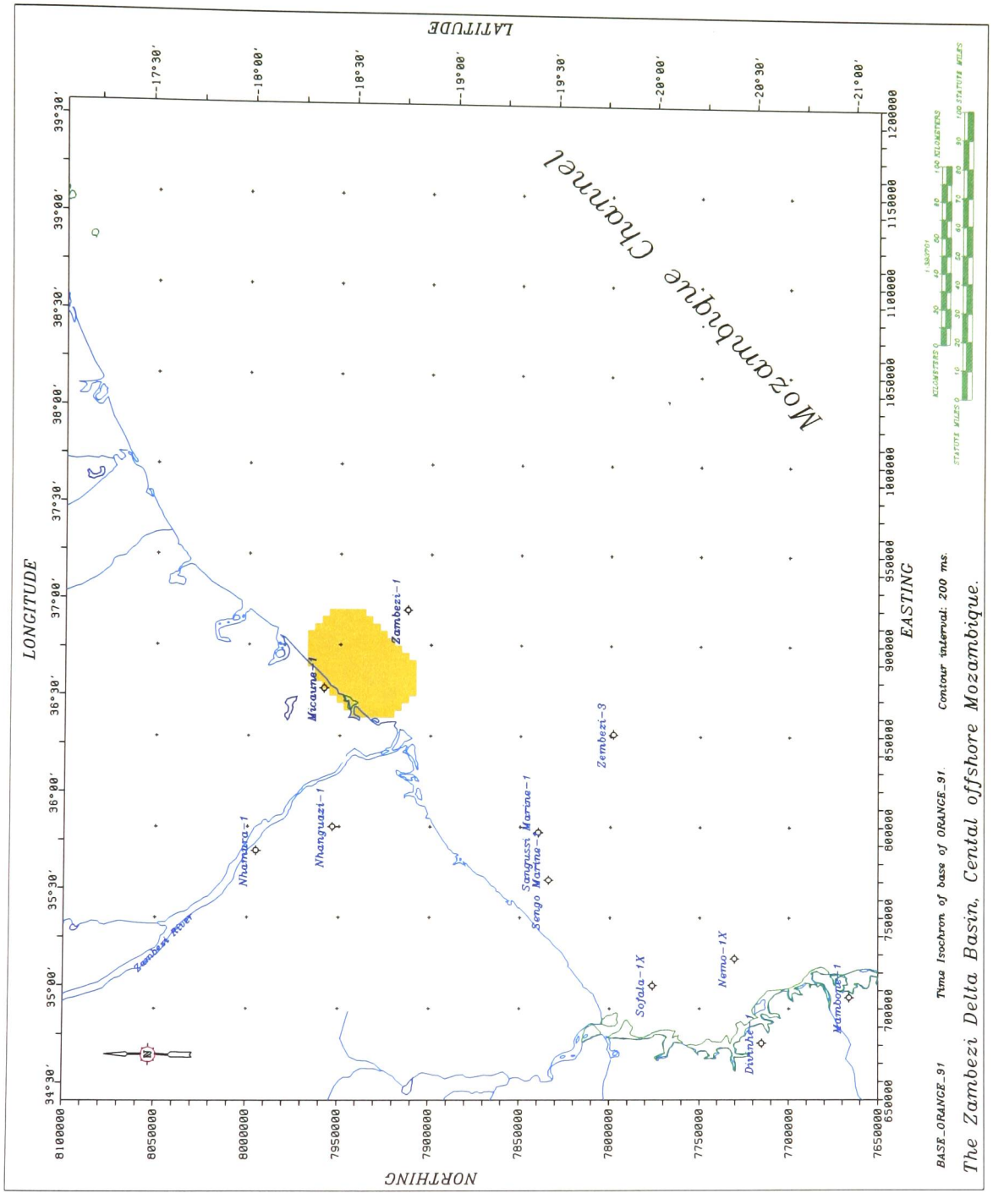

Figure D.3: Time isochron map of parasequence D1:2-1.

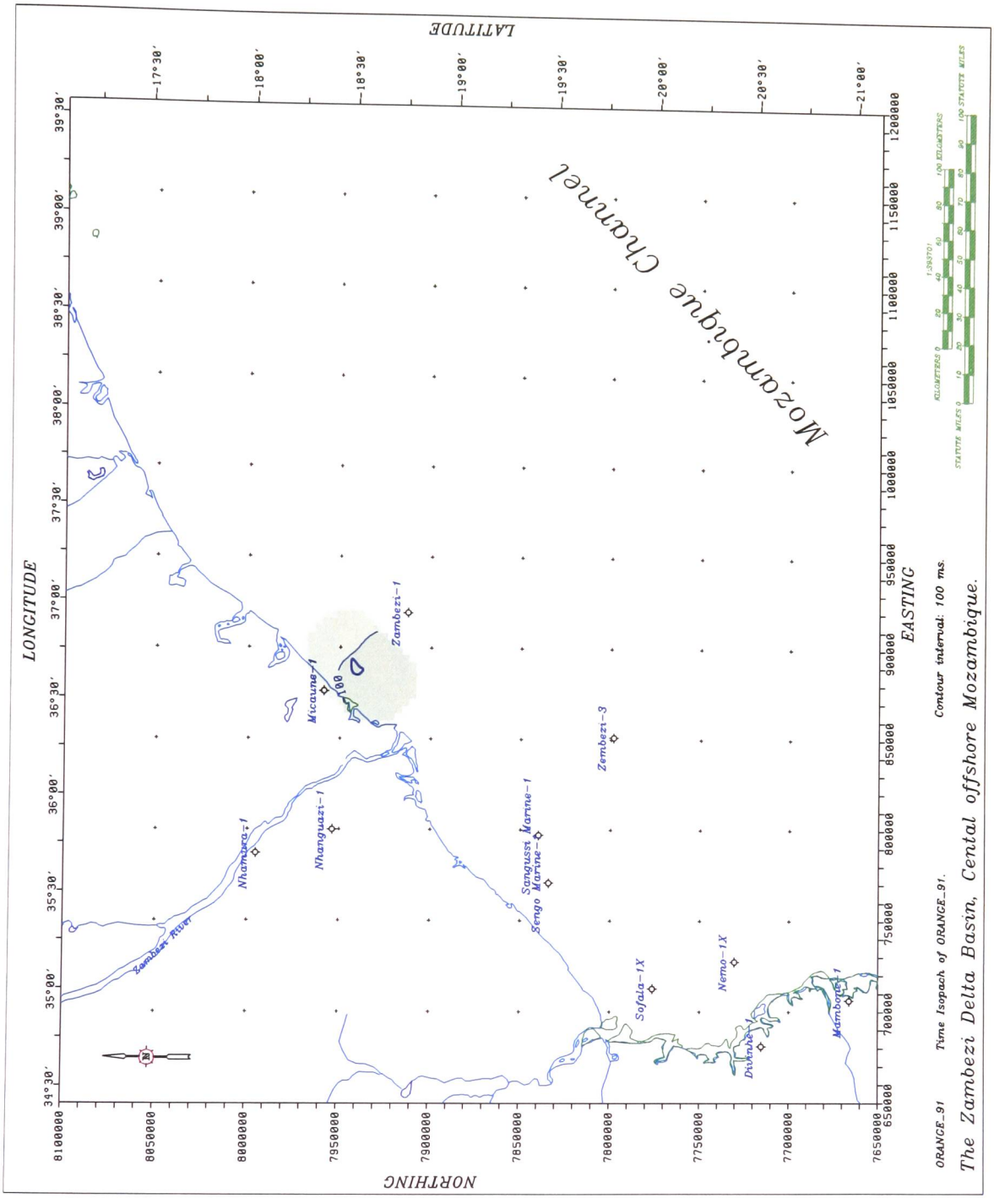

Figure D.4: Time isopach map of parasequence D1:2-1.

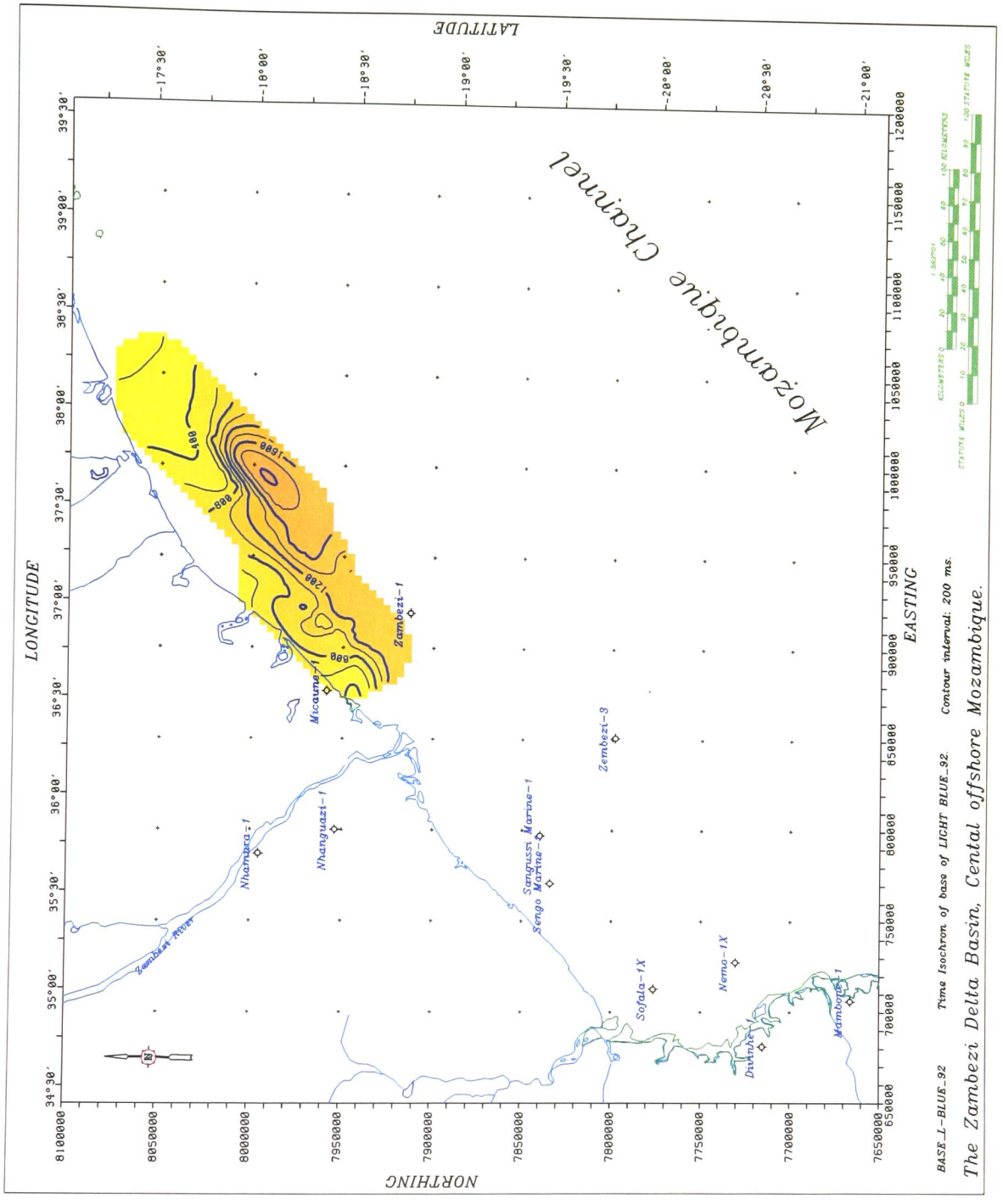

Figure D.5: Time isochron map of parasequence D1:2-2.

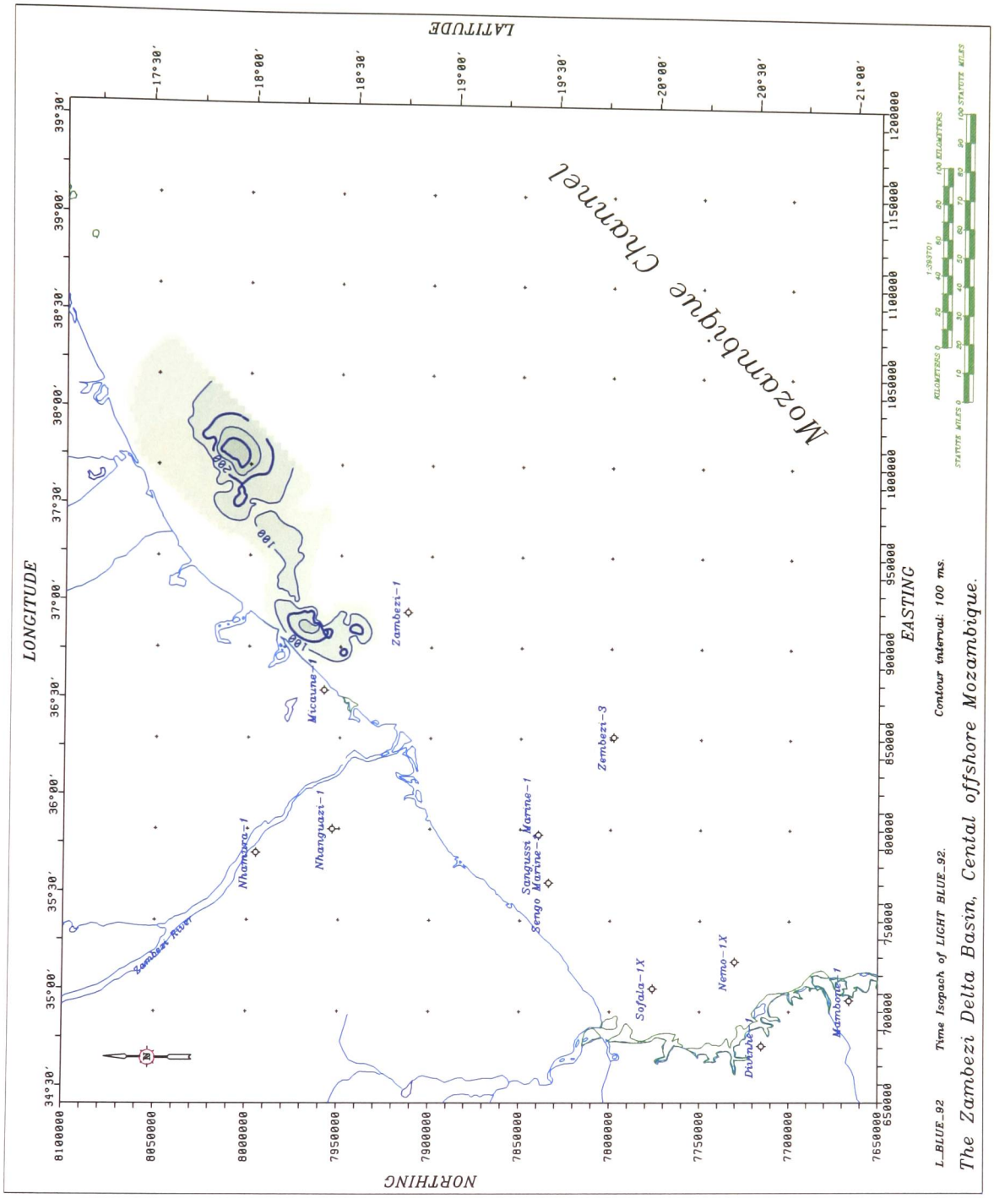

Figure D.6: Time isopach map of parasequence D1:2-2.

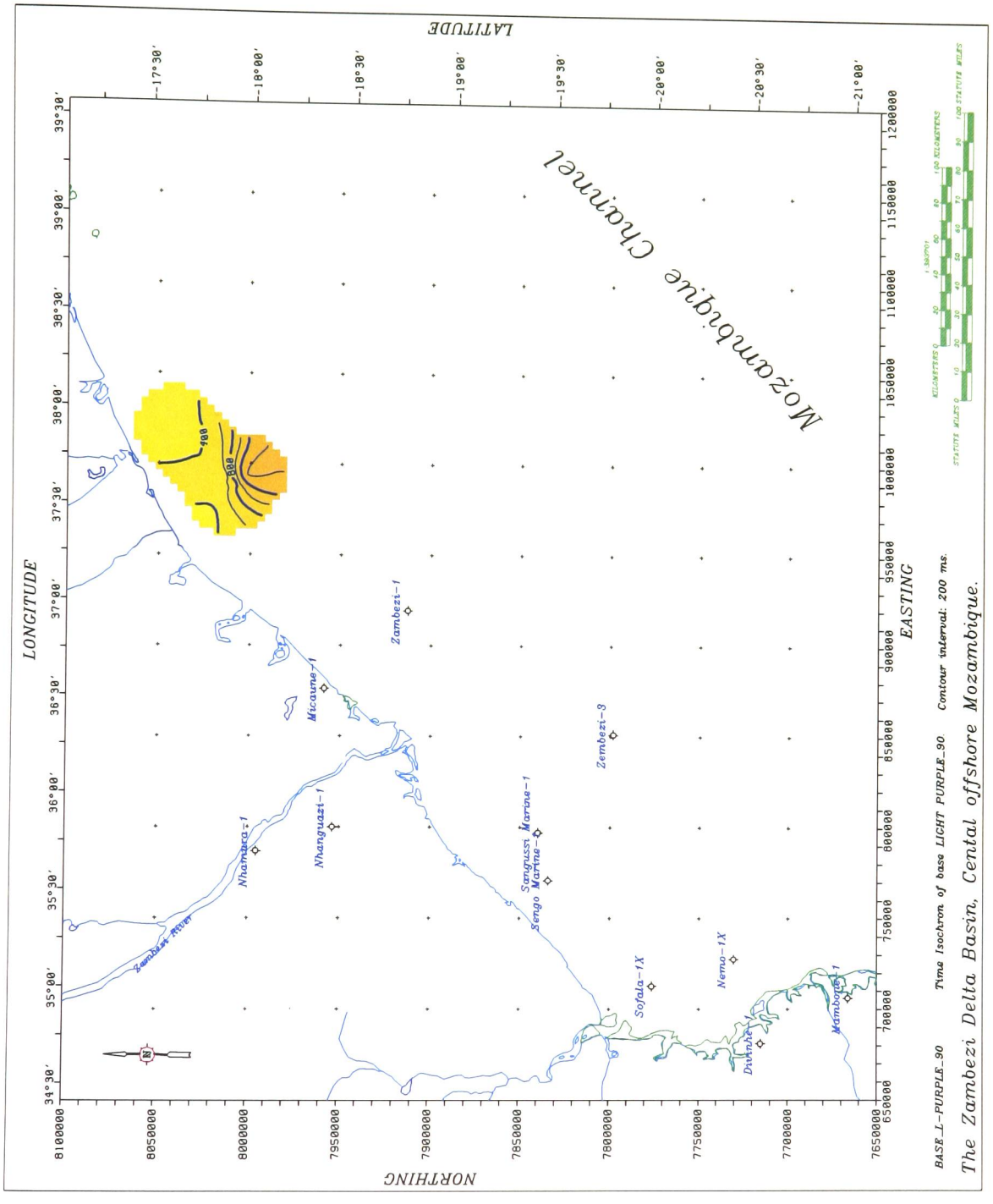

Figure D.7: Time isochron map of parasequence D2:4-1.

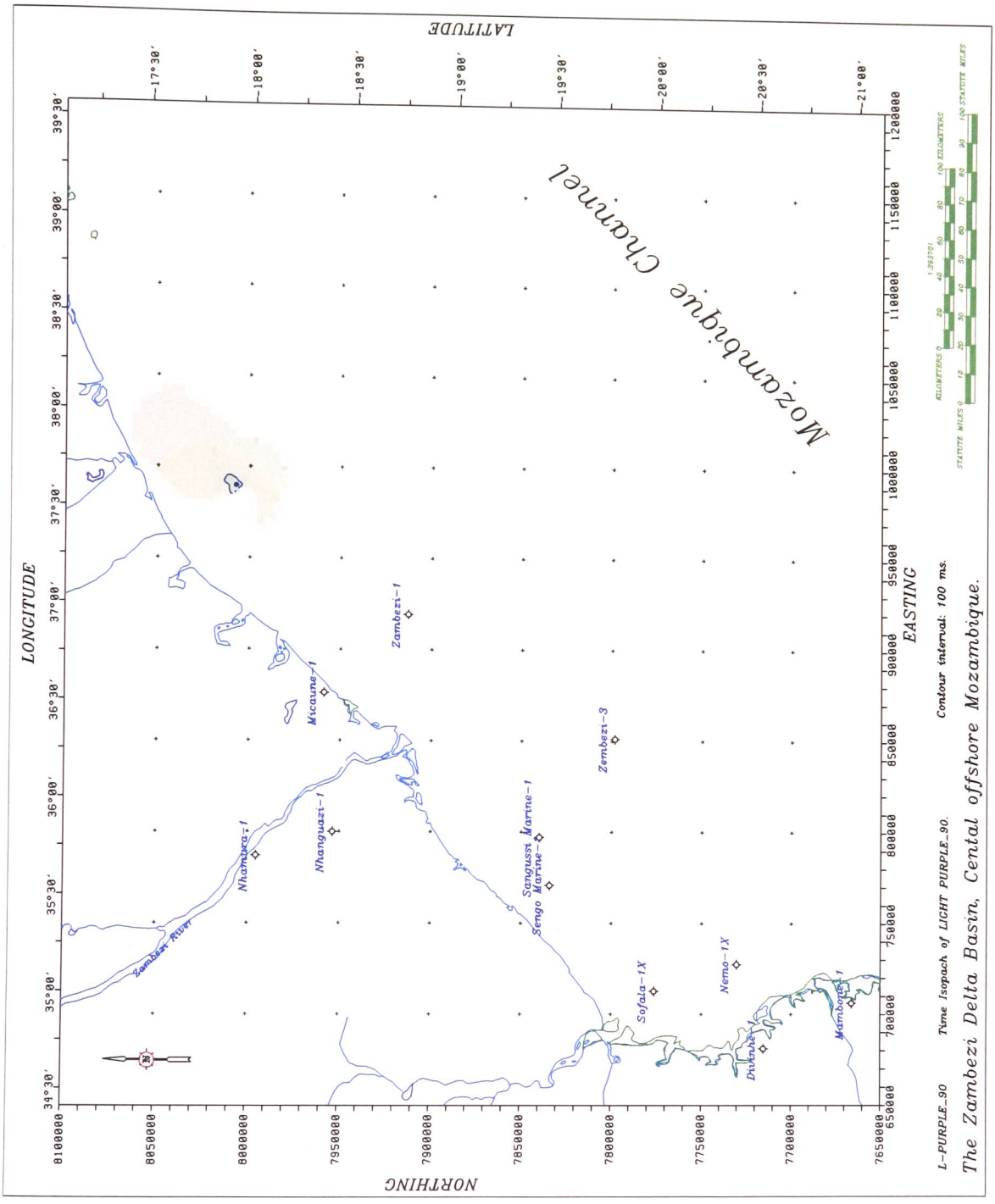

Figure D.8: Time isopach map of parasequence D2:4-1.

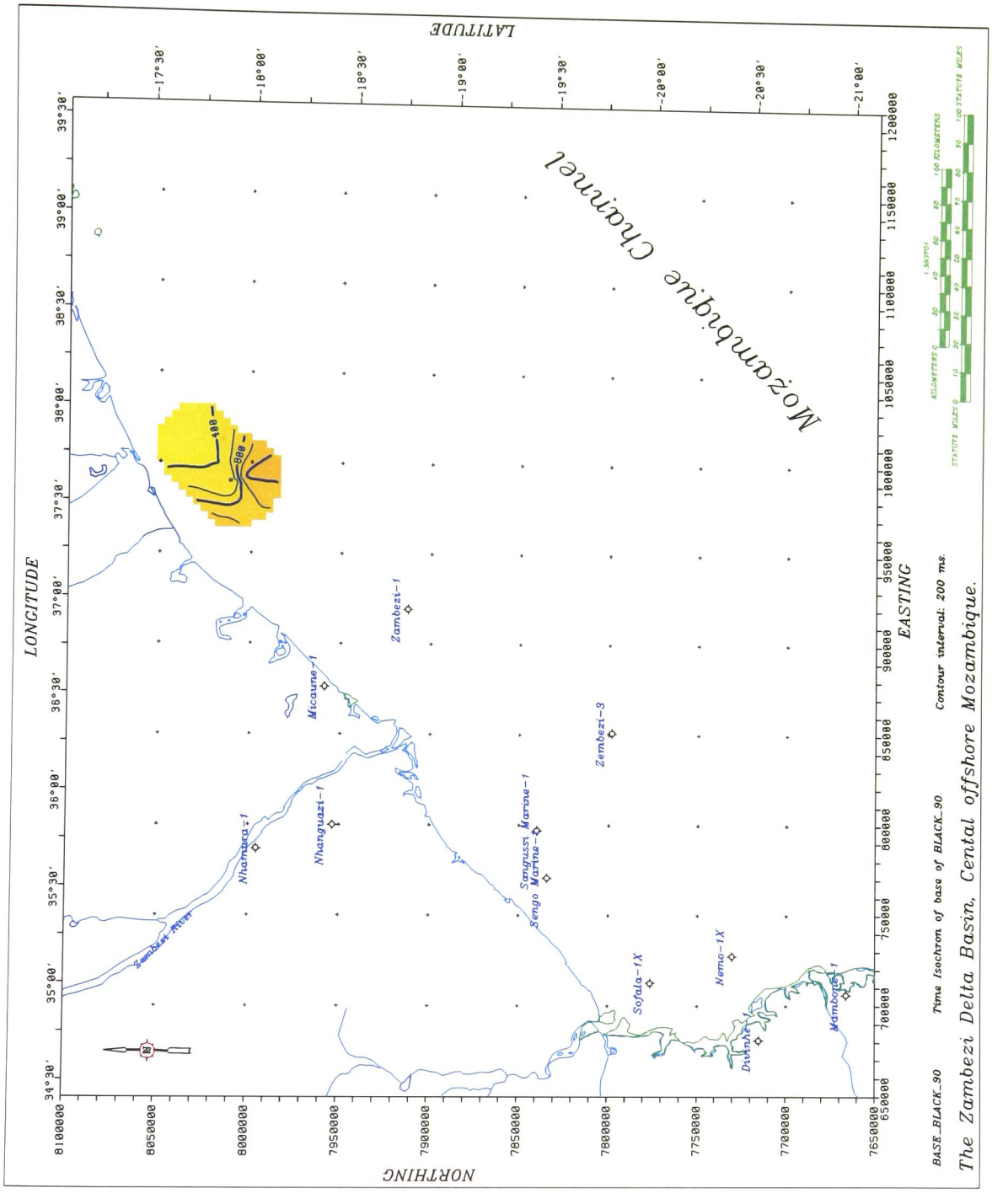

Figure D.9: Time isochron map of parasequence D2:4-2.

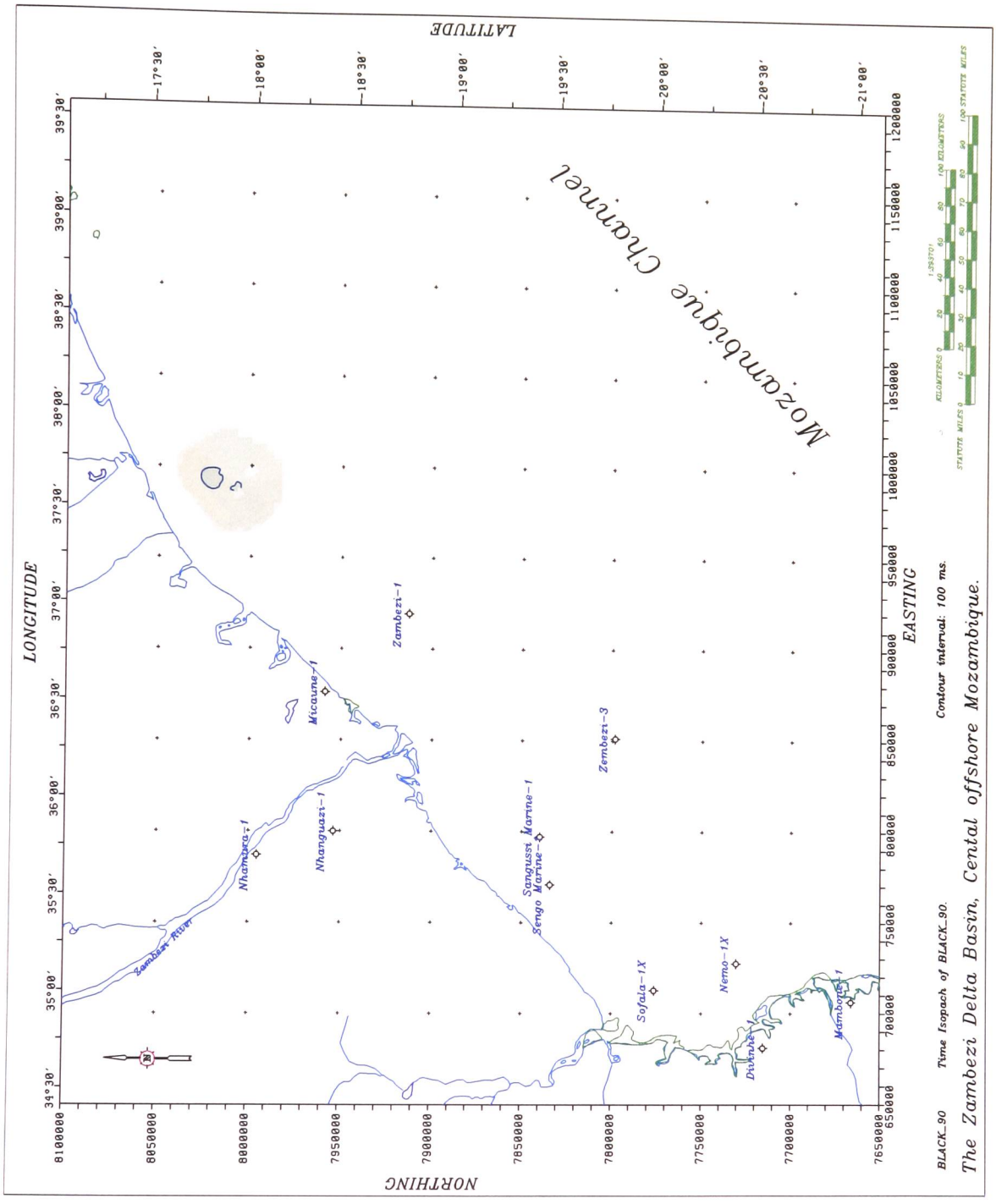

Figure D.10: Time isopach map of parasequence D2:4-2.

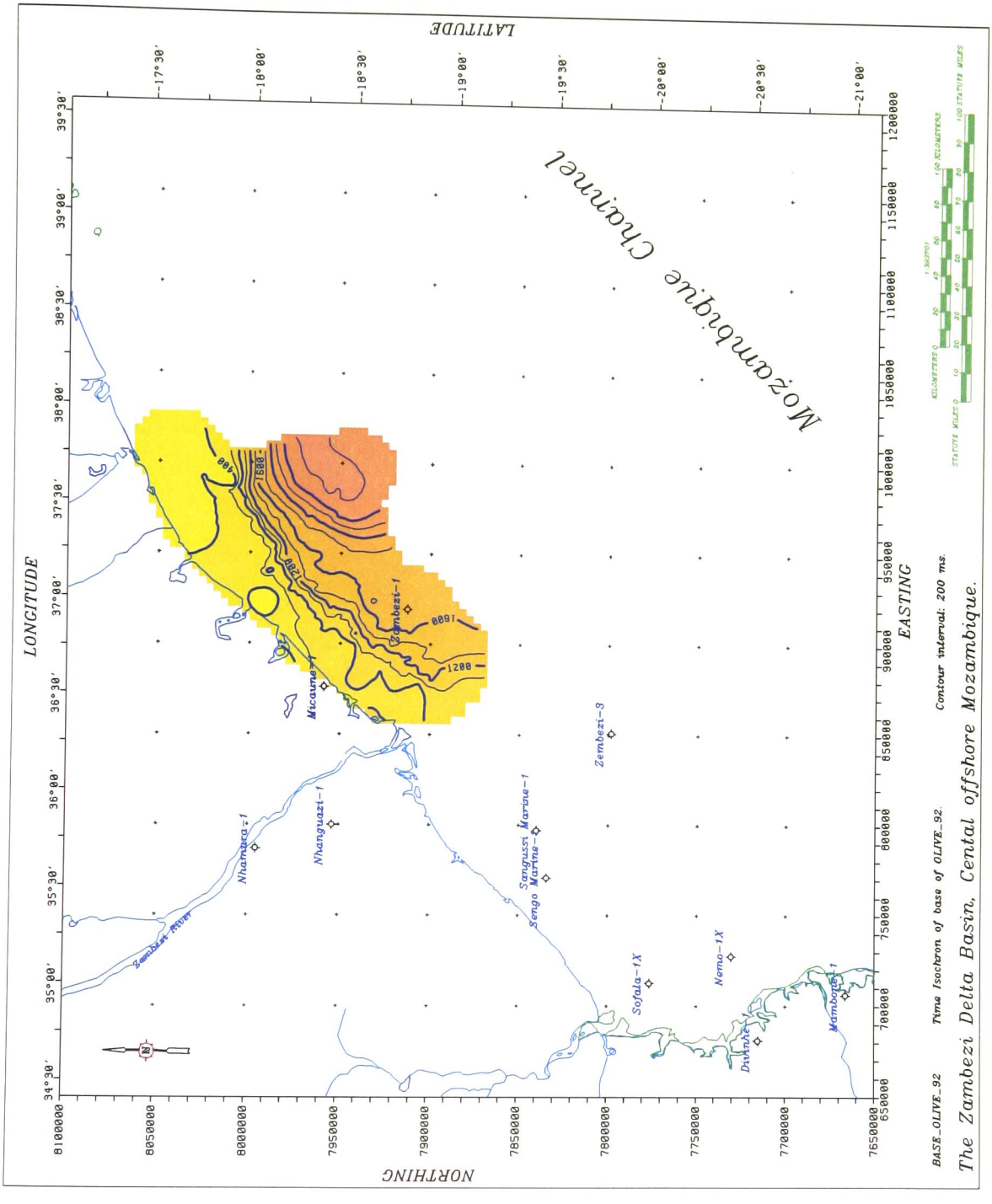

Figure D.11: Time isochron map of parasequence D2:4-3.

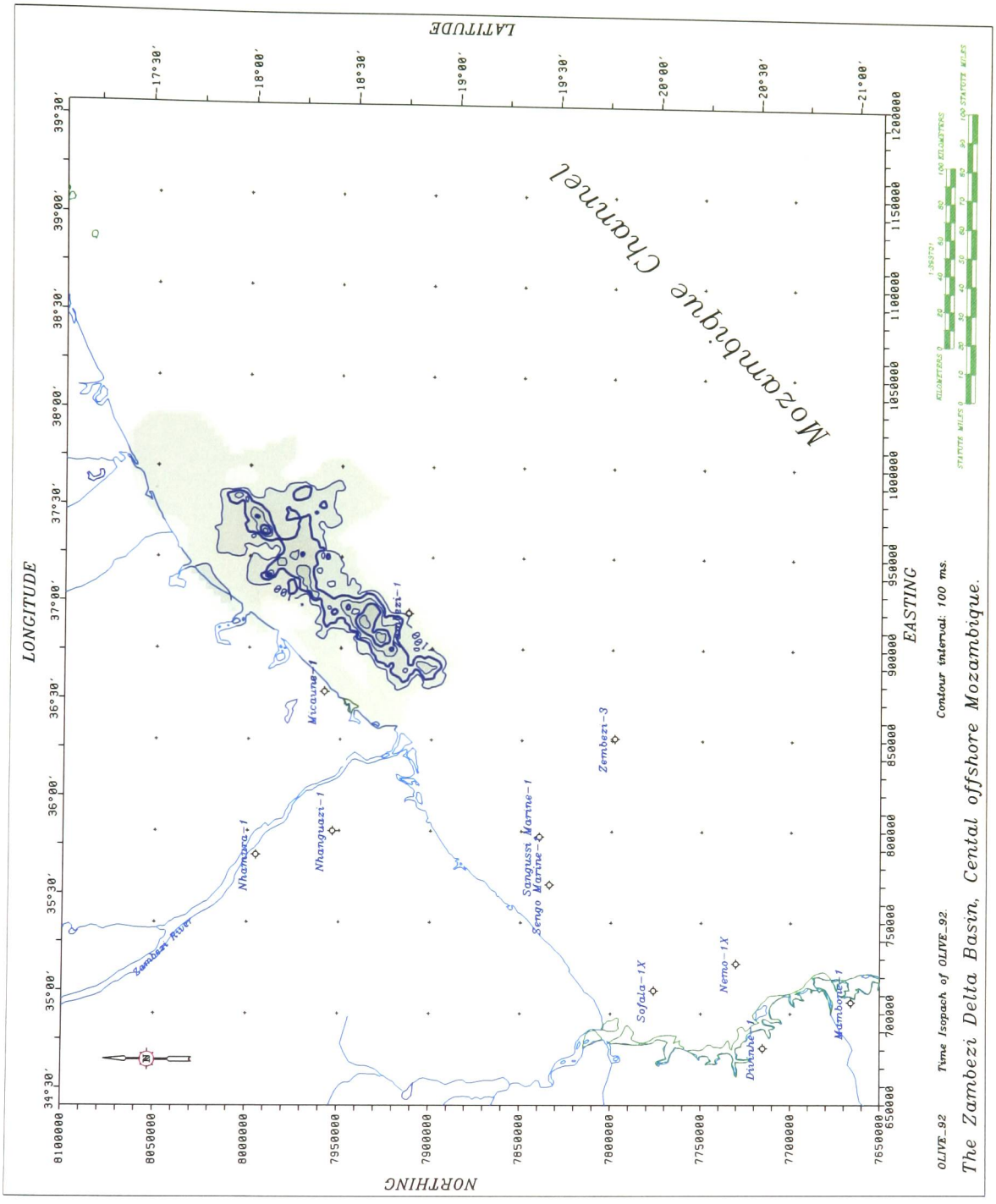

Figure D.12: Time isopach map of parasequence D2:4-3.

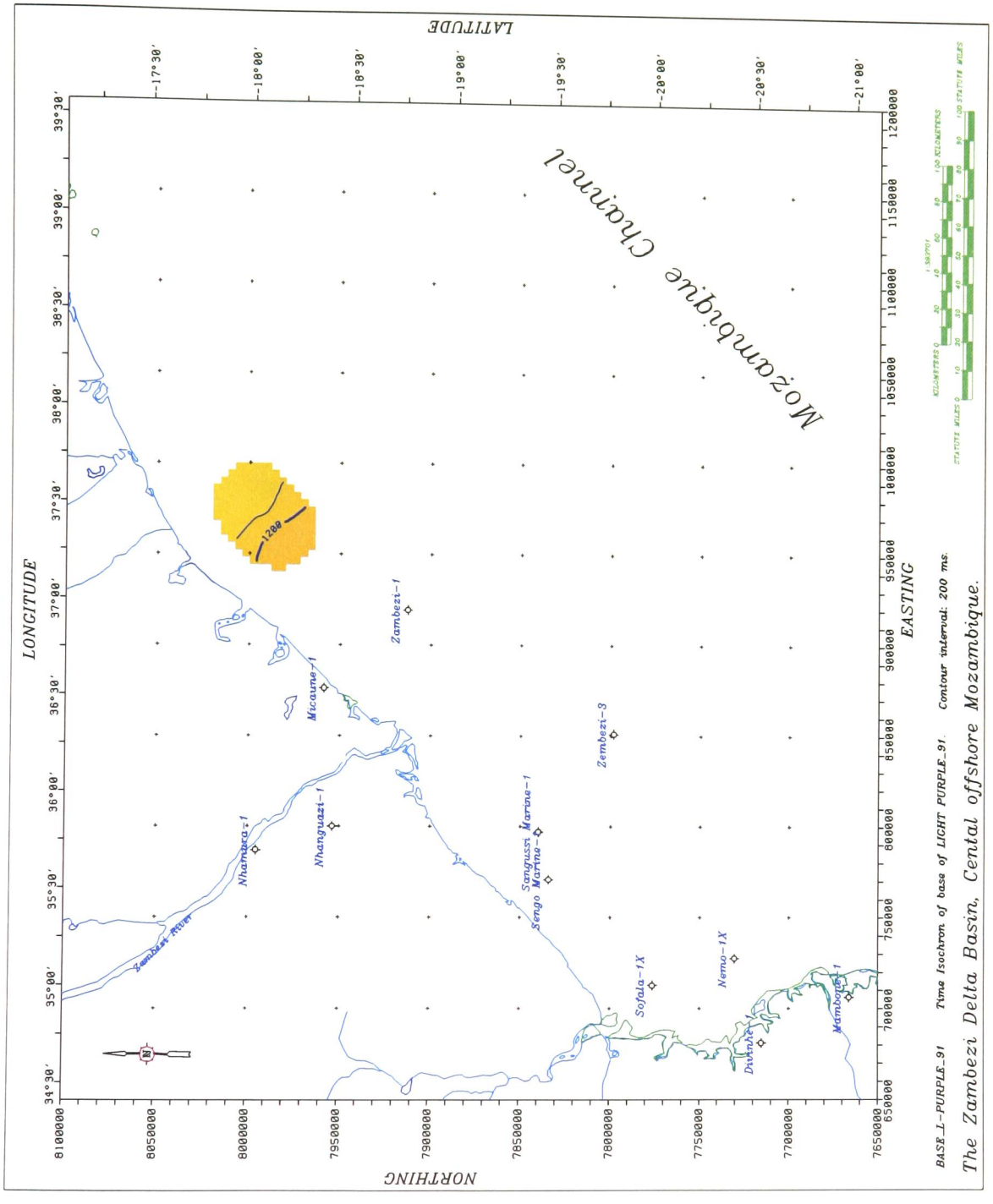

Figure D.13: Time isochron map of parasequence D2:4-4.

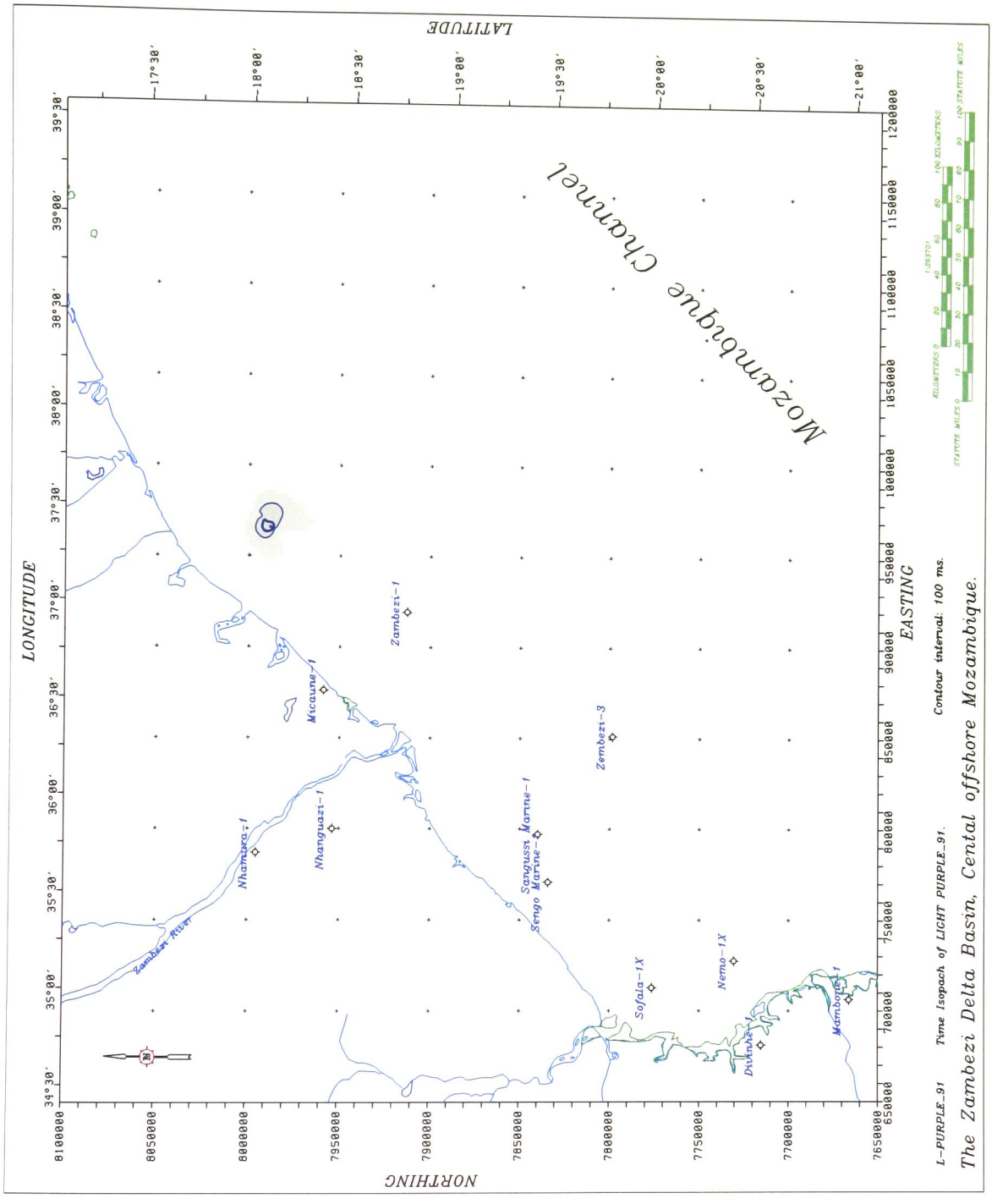

Figure D.14: Time isopach map of parasequence D2:4-4.

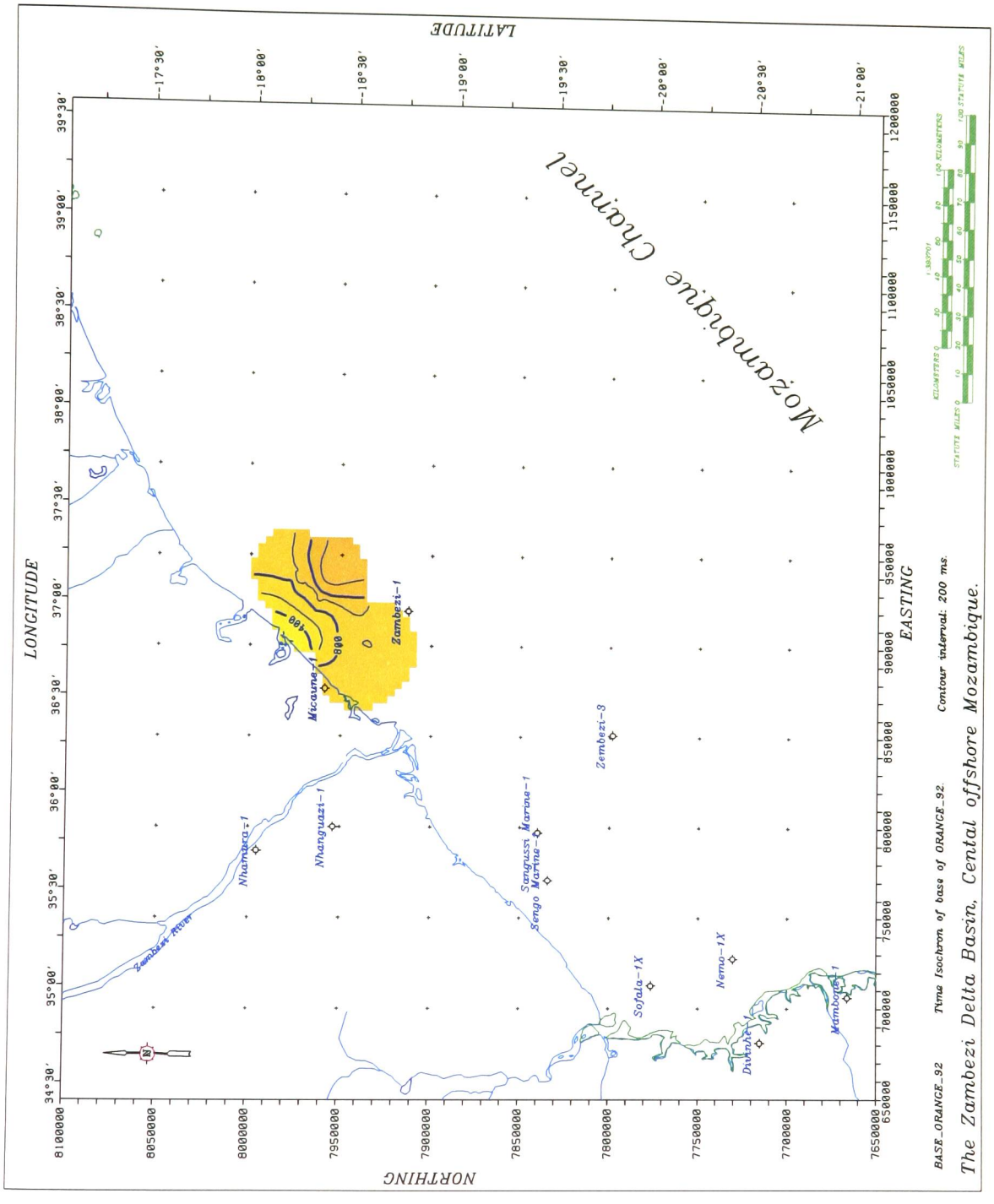

Figure D.15: Time isochron map of parasequence D3:2-1.

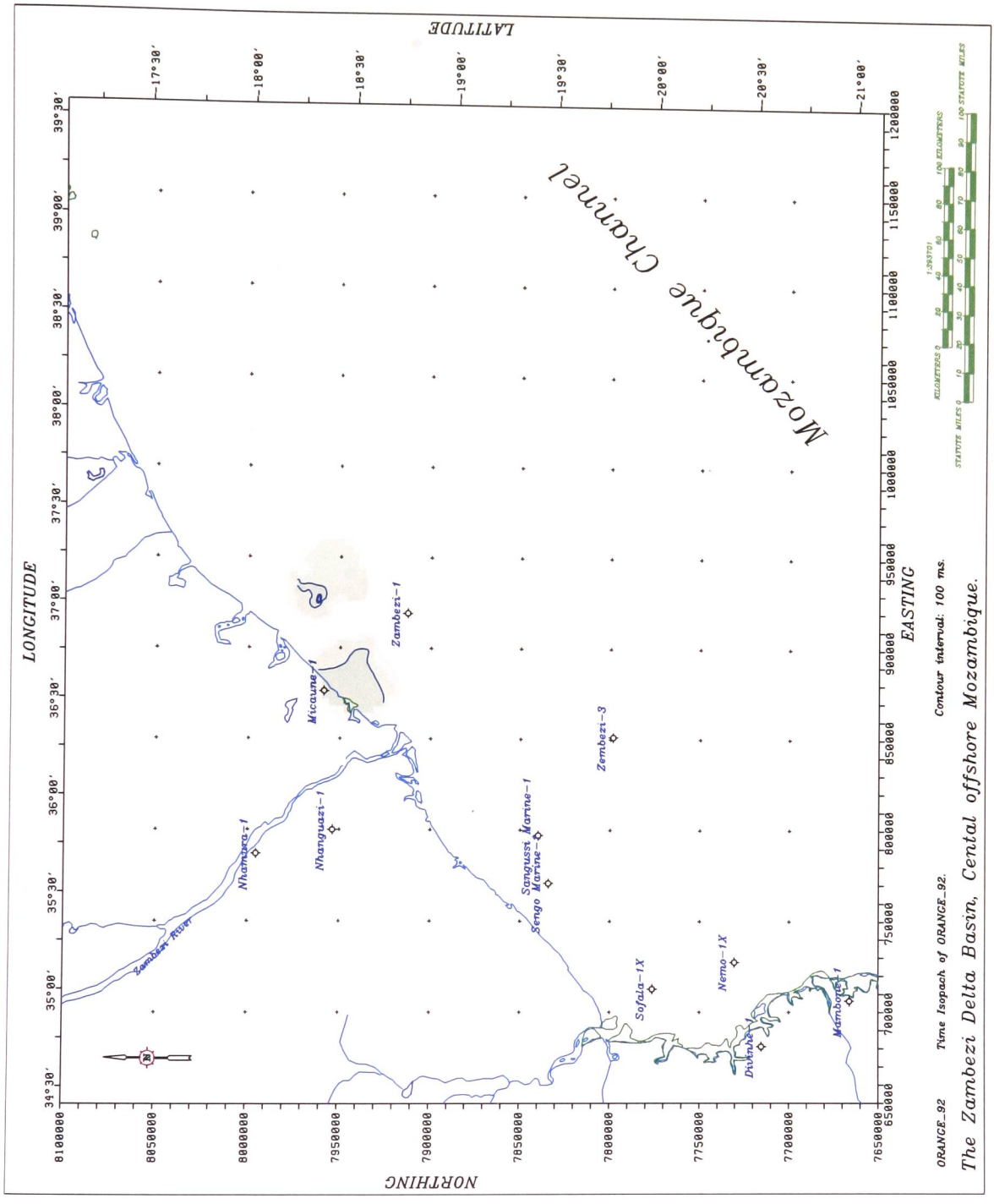

Figure D.16: Time isopach map of parasequence D3:2-1.

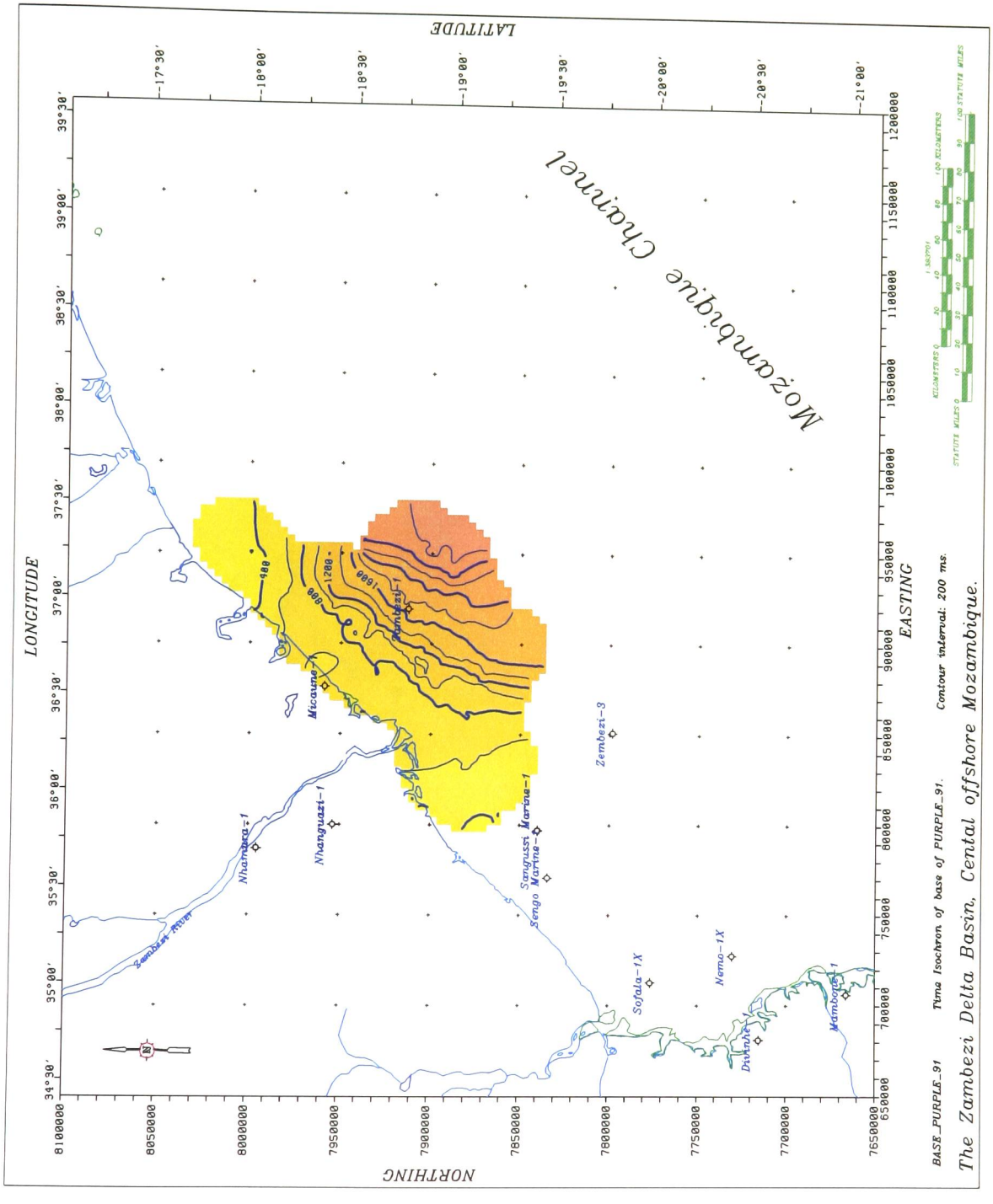

Figure D.17: Time isochron map of parasequence D3:2-2.

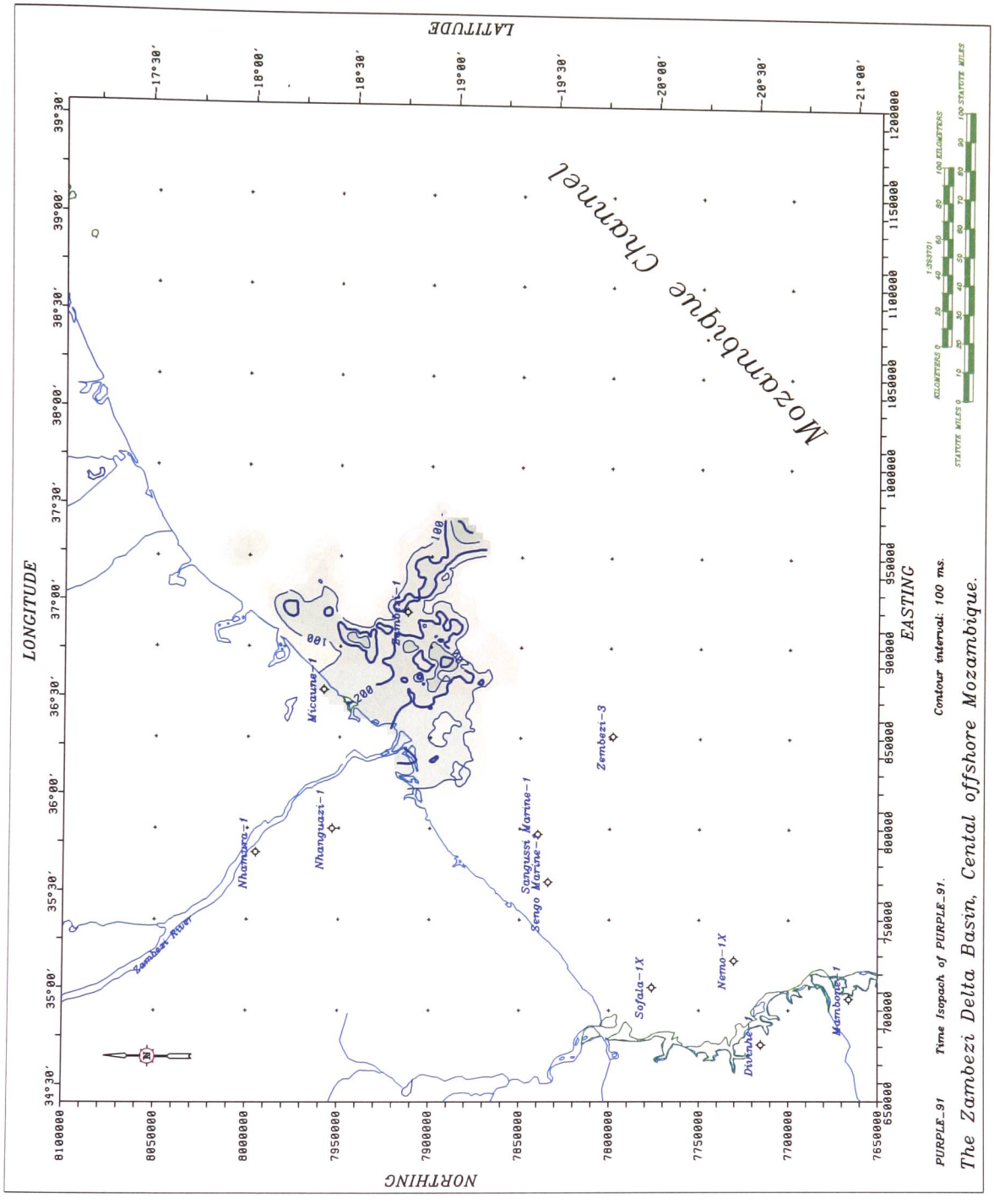

Figure D.18: Time isopach map of parasequence D3:2-2.

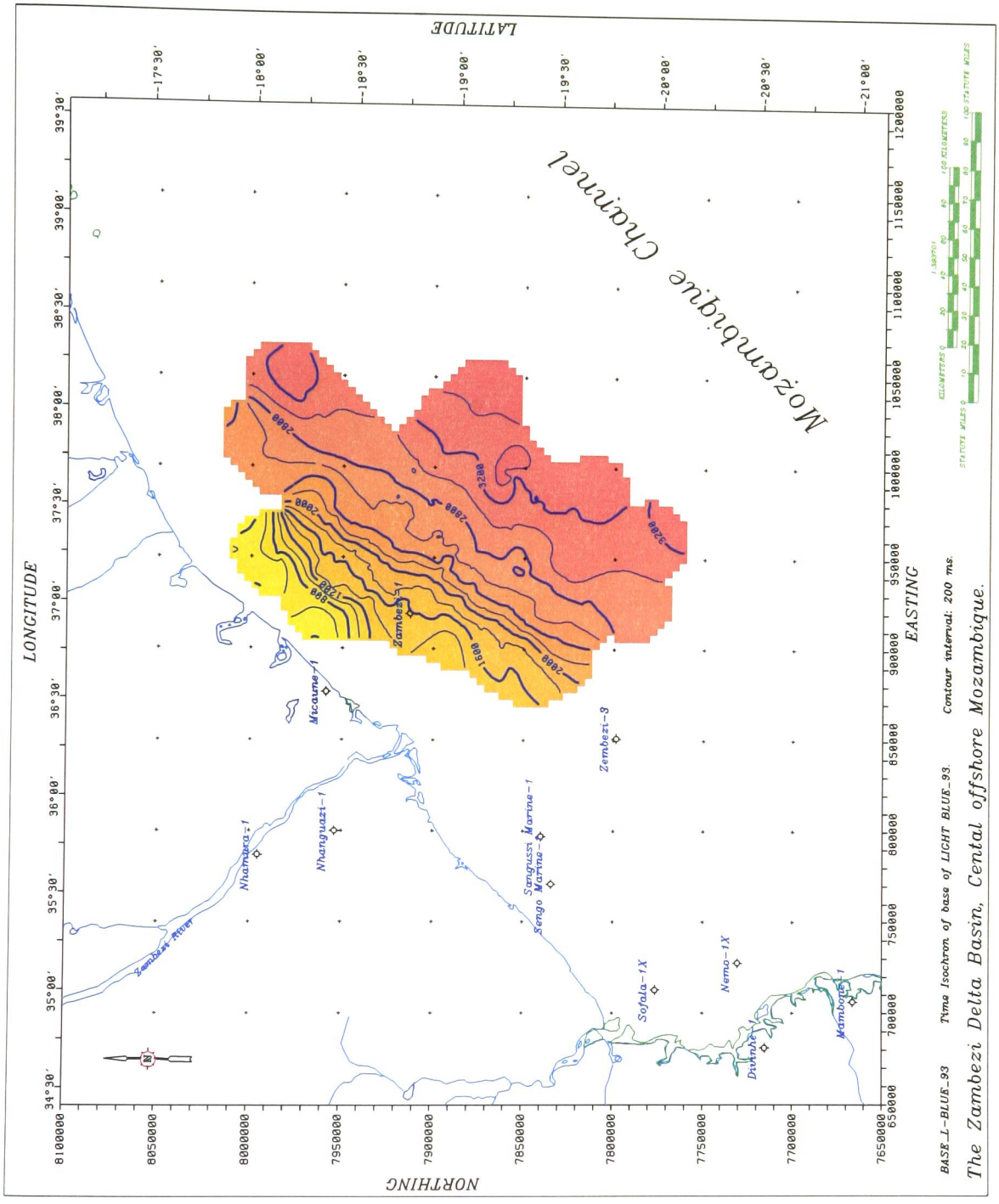

Figure D.19: Time isochron map of parasequence D4:2-1.

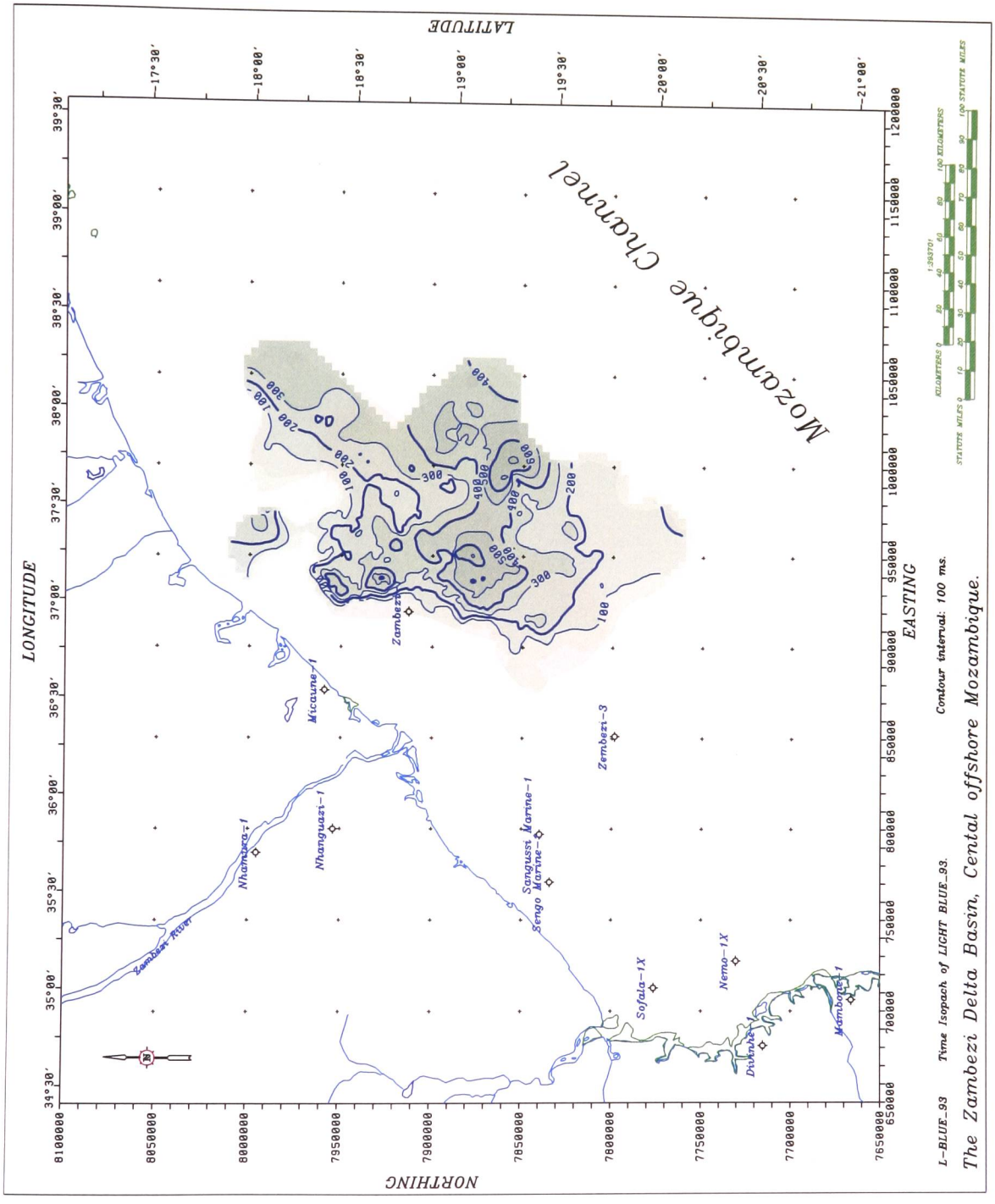

Figure D.20: Time isopach map of parasequence D4:2-1.

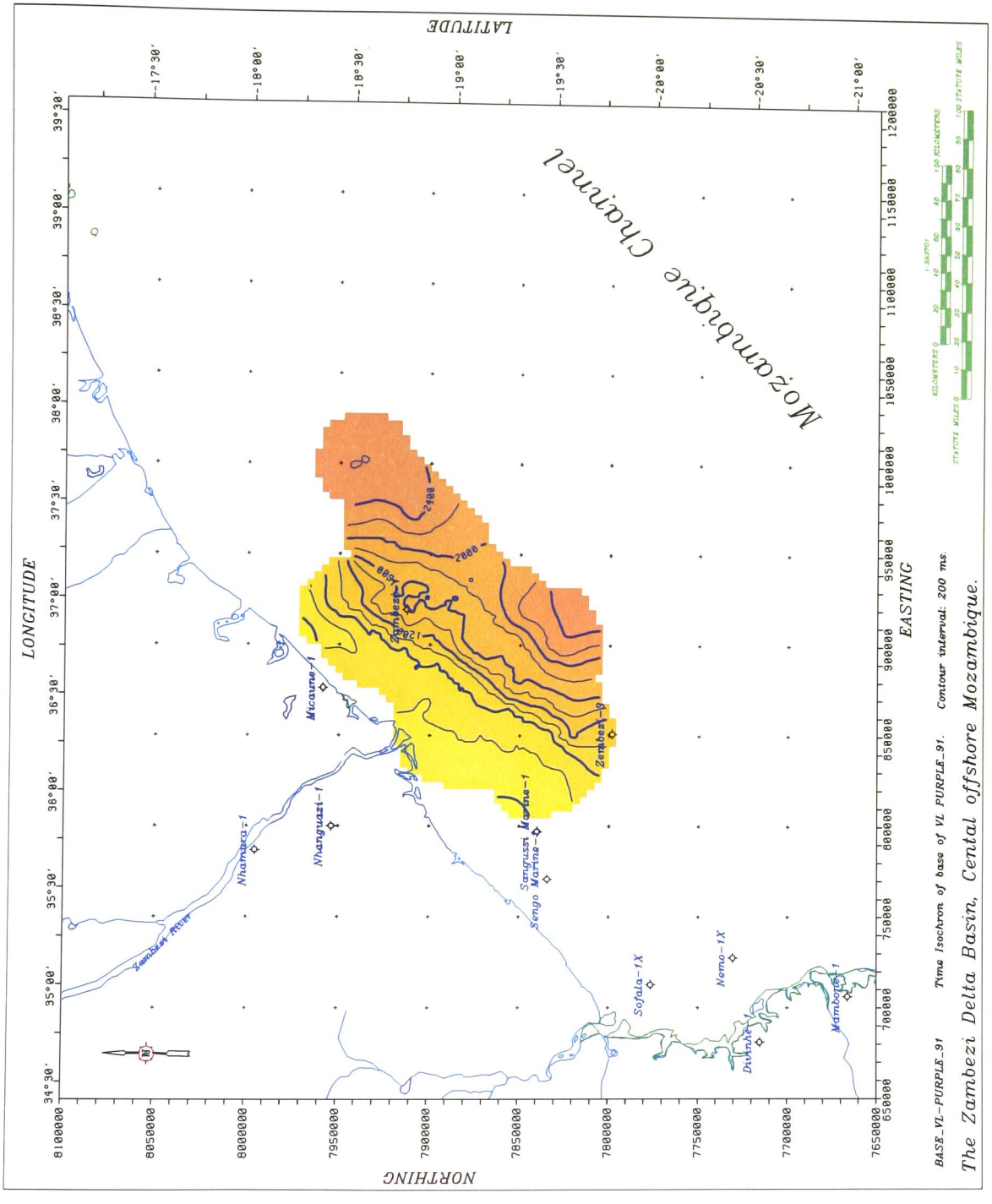

Figure D.21: Time isochron map of parasequence D4:2-2.

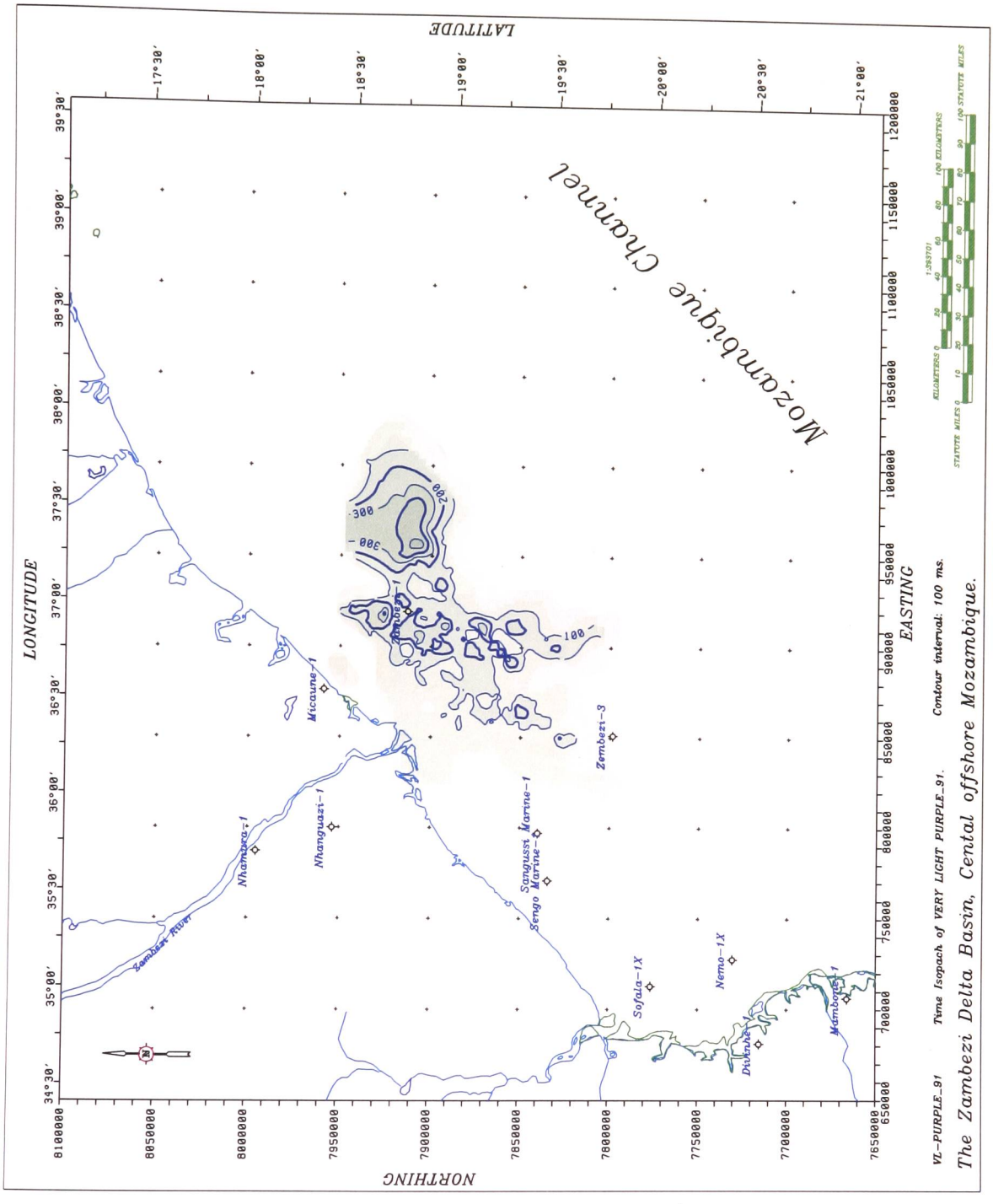

Figure D.22: Time isopach map of parasequence D4:2-2.

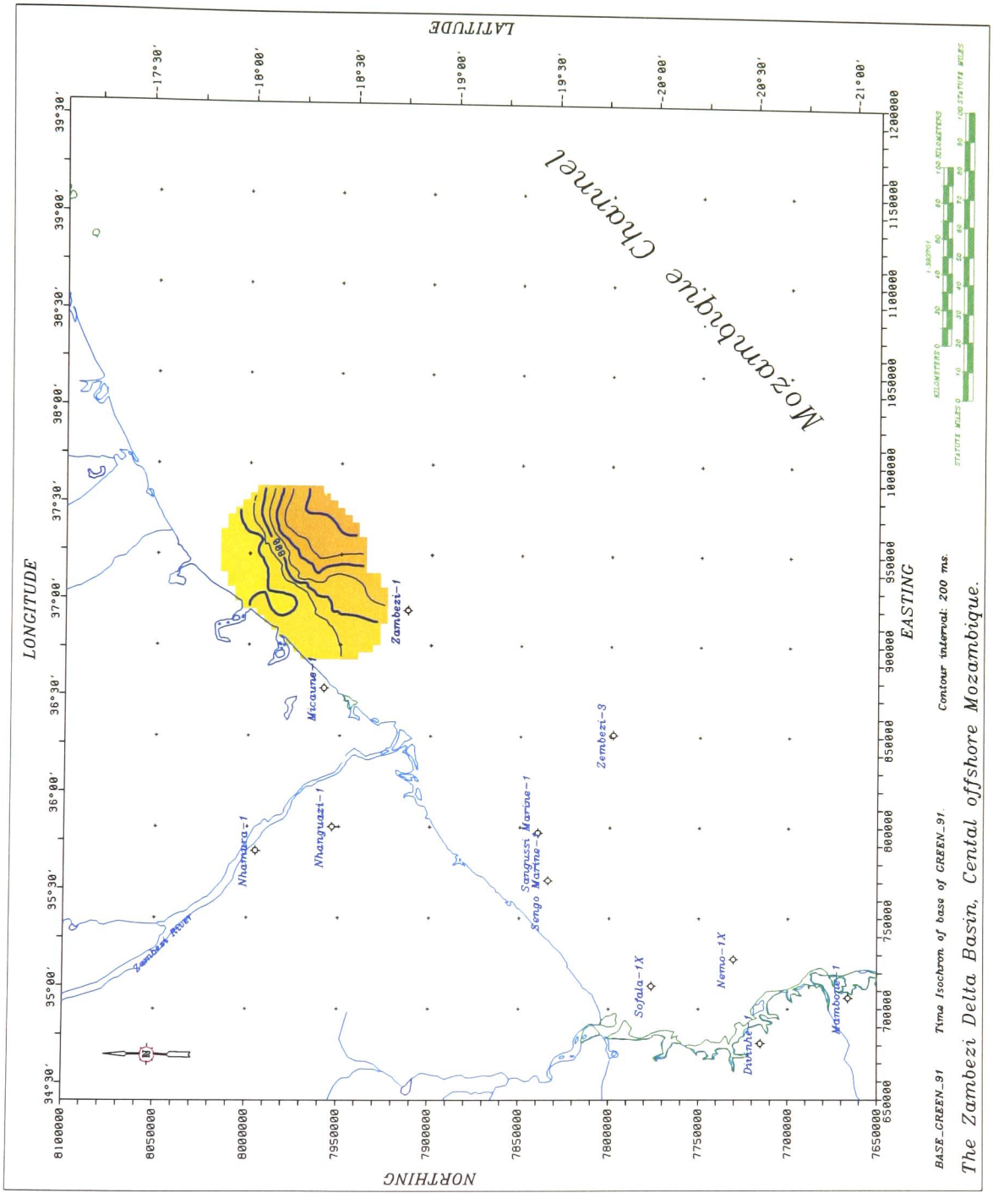

Figure D.23: Time isochron map of parasequence D5:2-1.

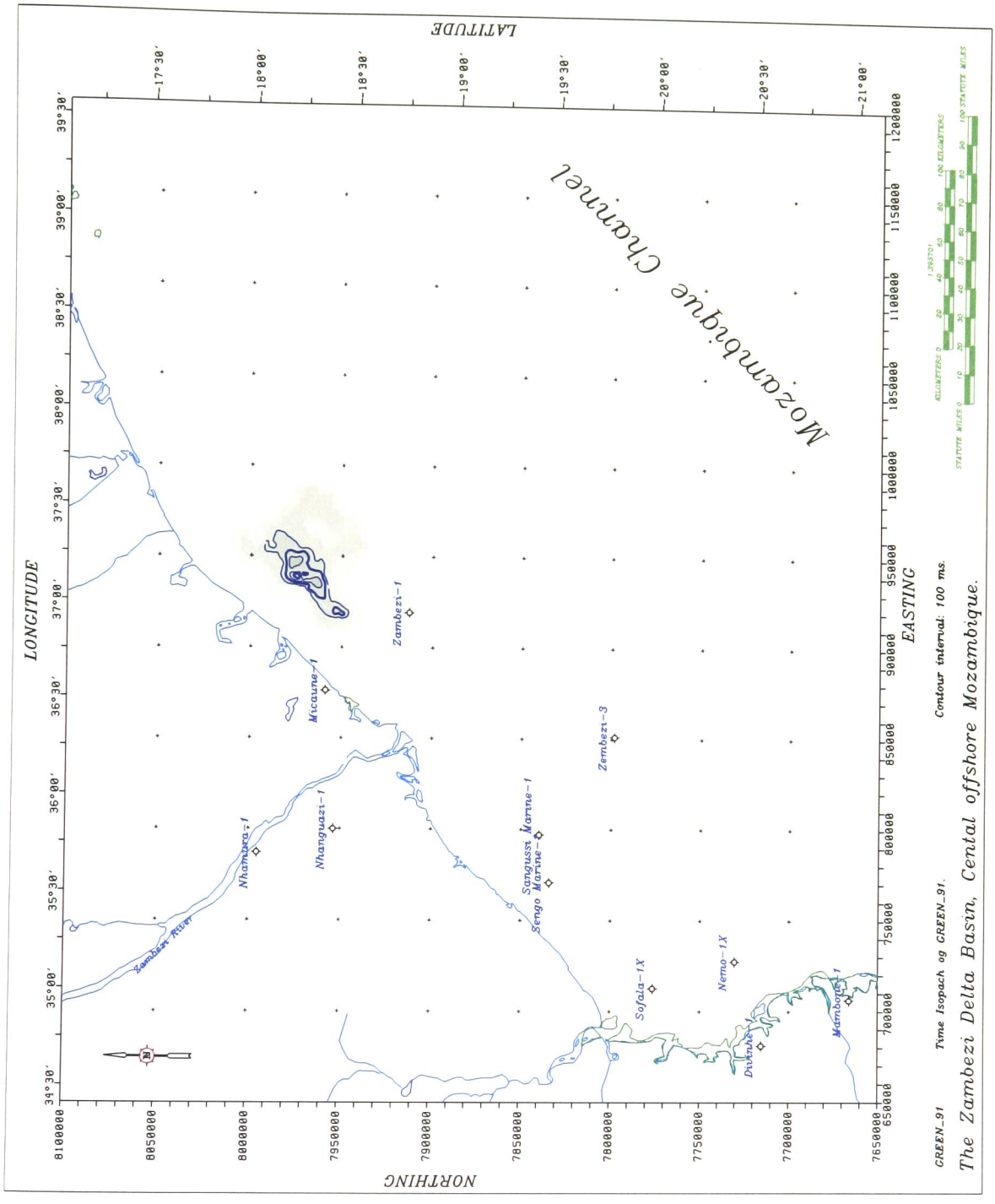

Figure D.24: Time isopach map of parasequence D5:2-1.

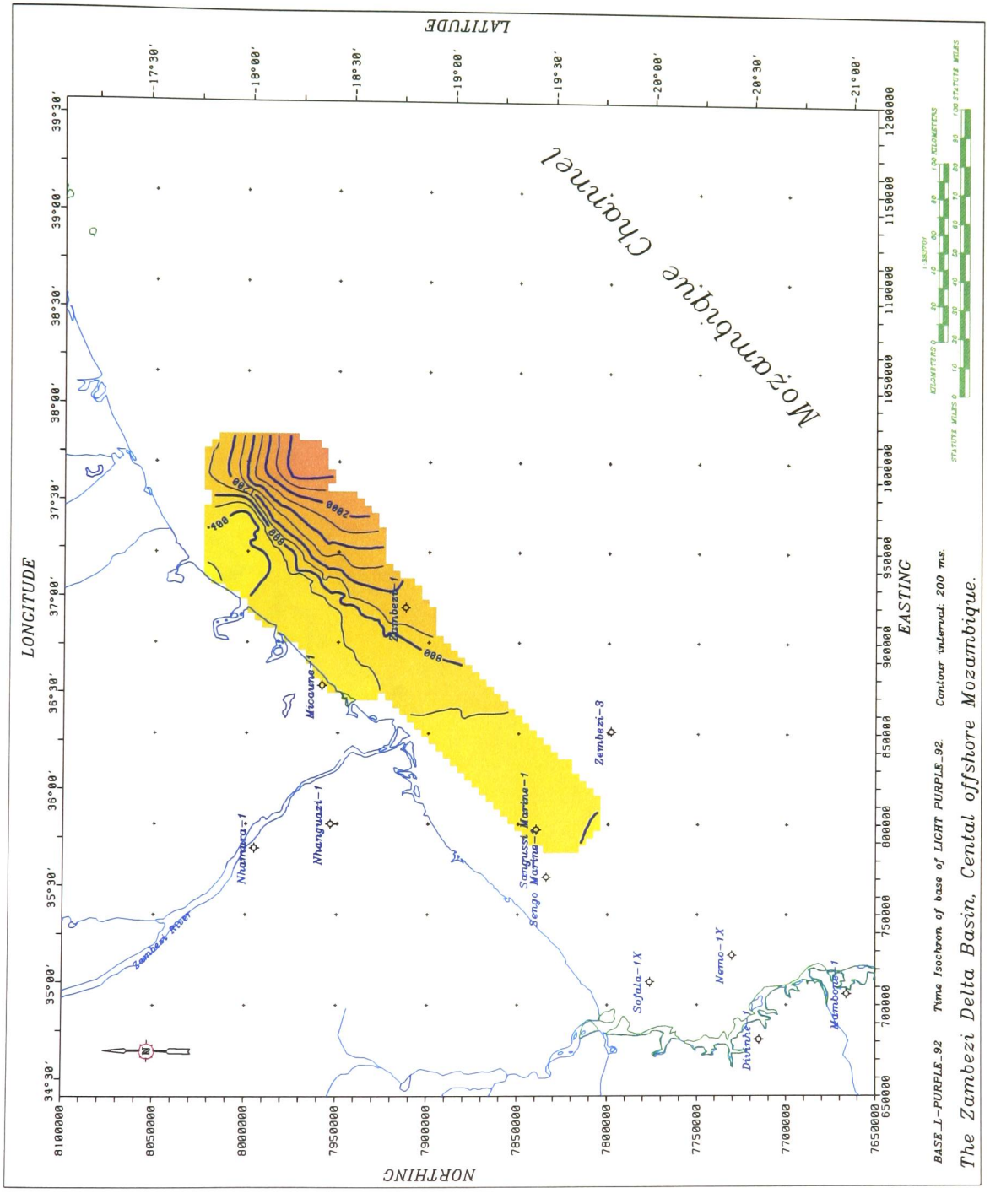

Figure D.25: Time isochron map of parasequence D5:2-2.

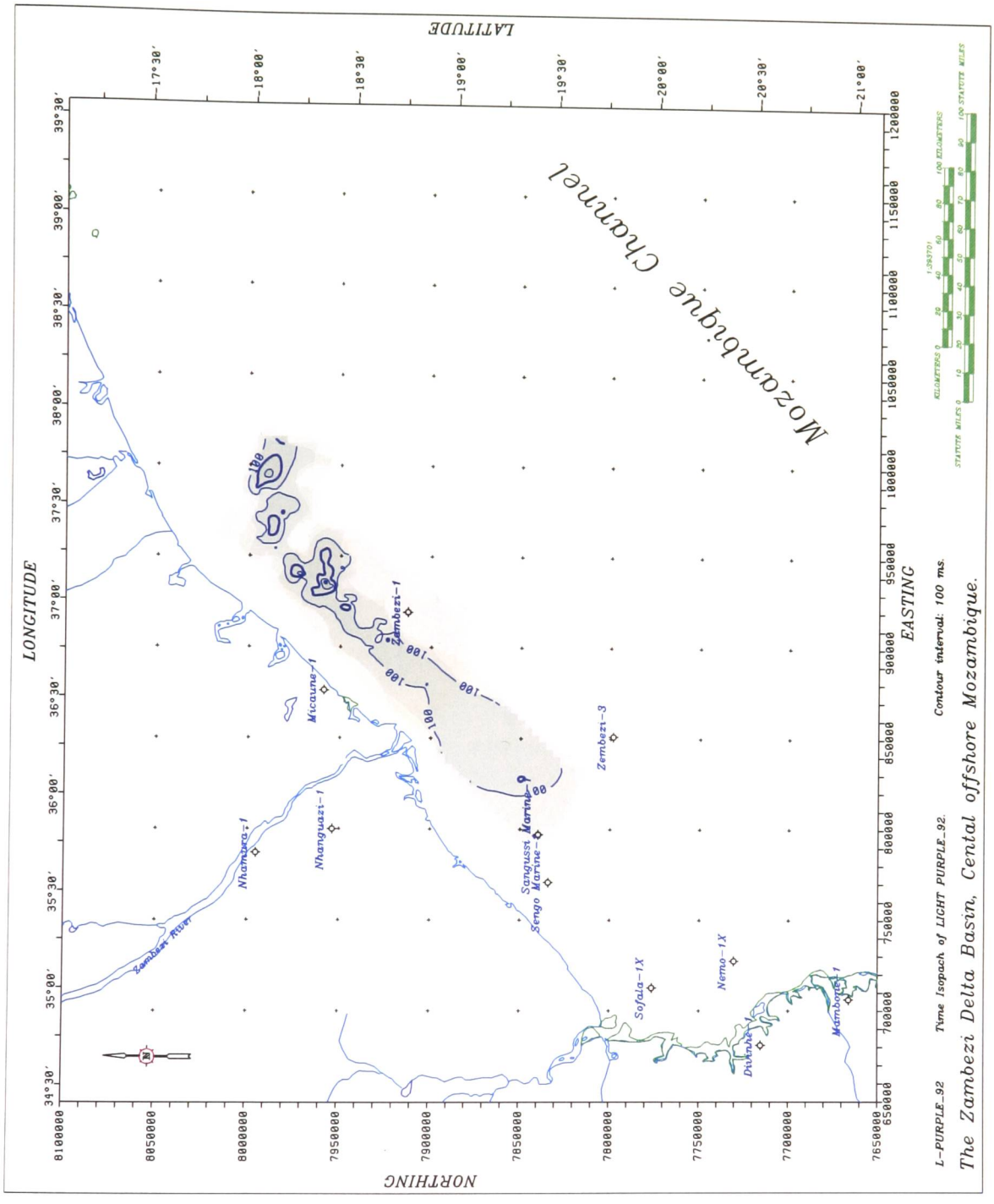

Figure D.26: Time isopach map of parasequence D5:2-2.

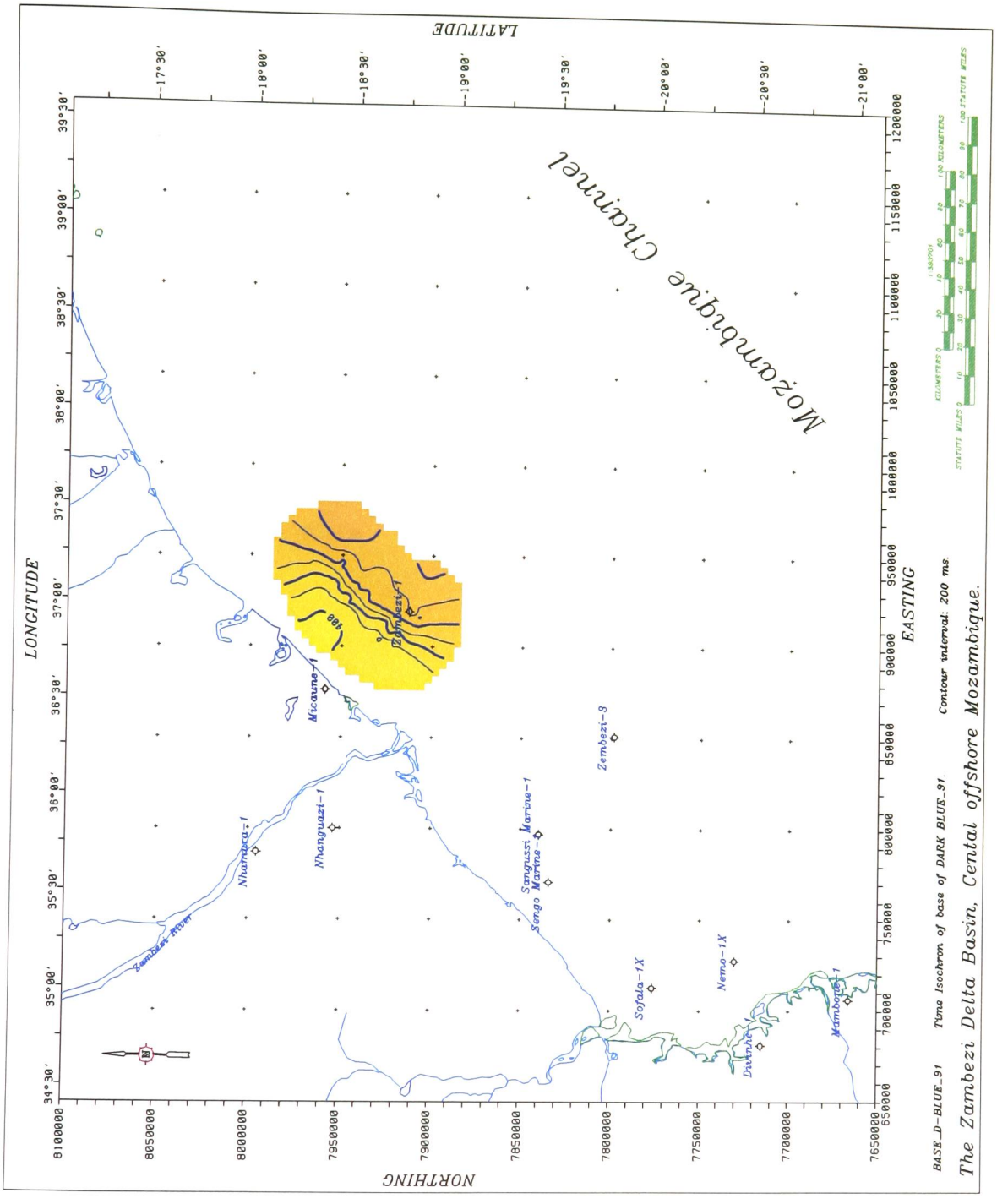

Figure D.27: Time isochron map of parasequence D6:4-1.

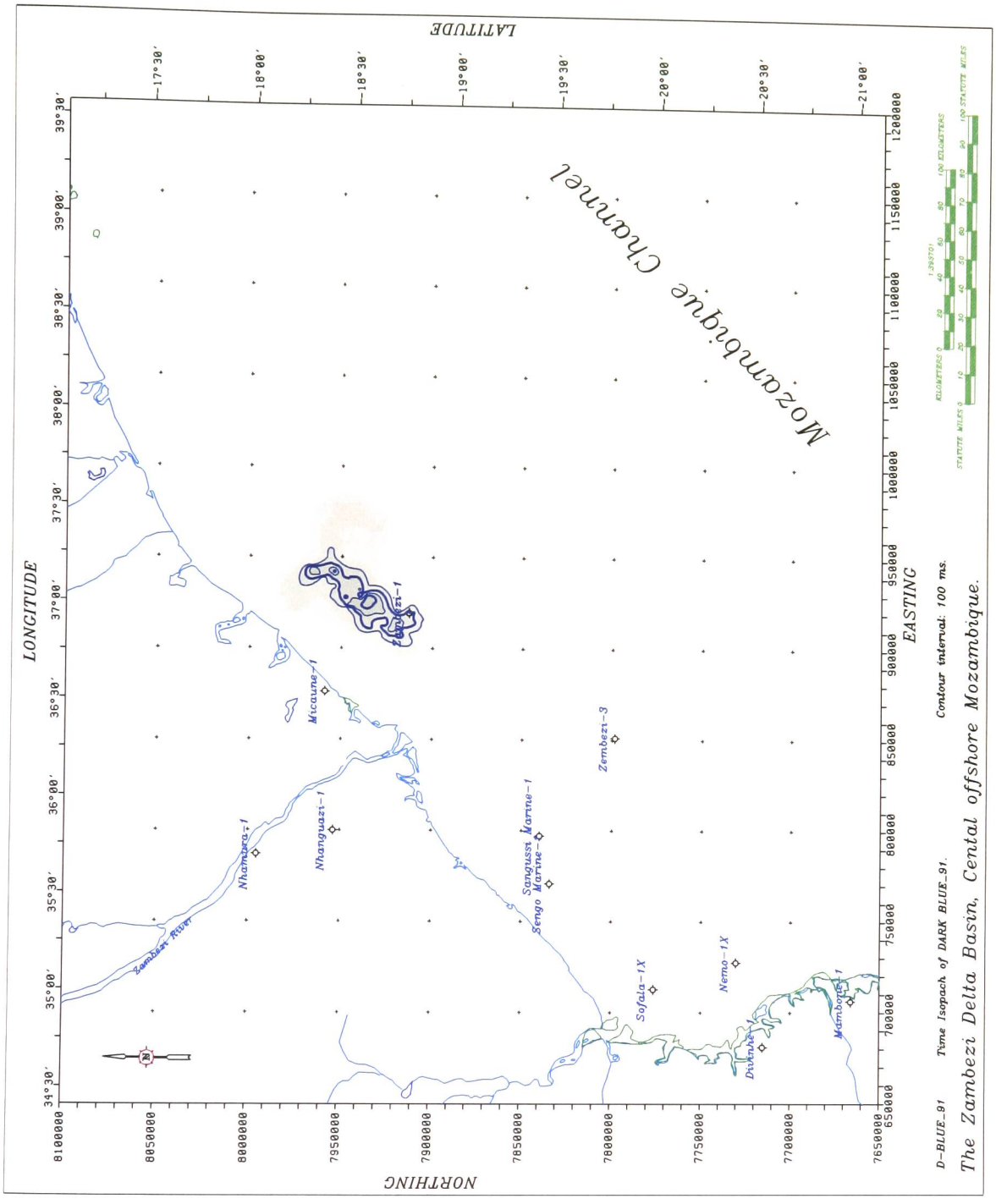

Figure D.28: Time isopach map of parasequence D6:4-1.

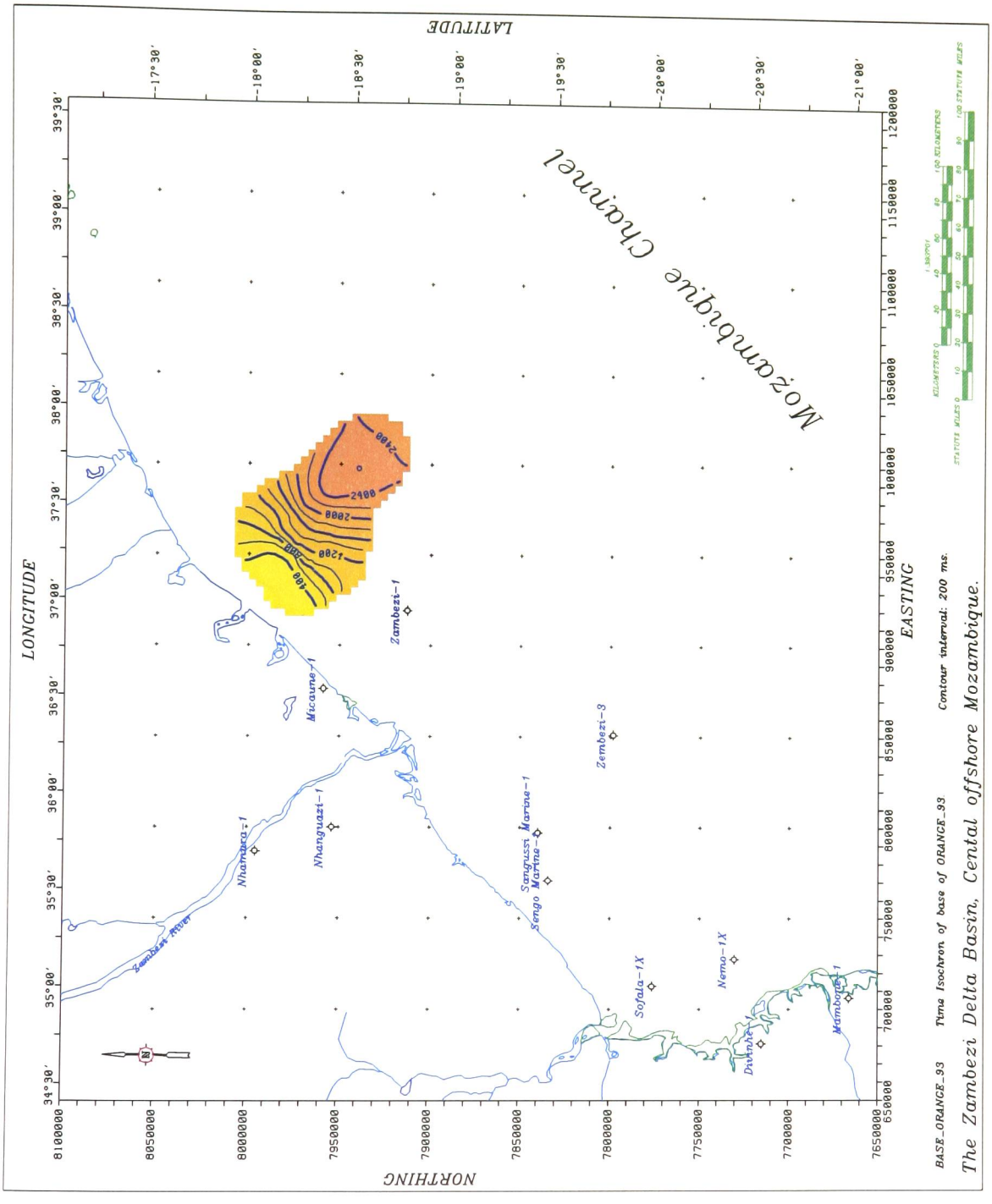

Figure D.29: Time isochron map of parasequence D6:4-2.

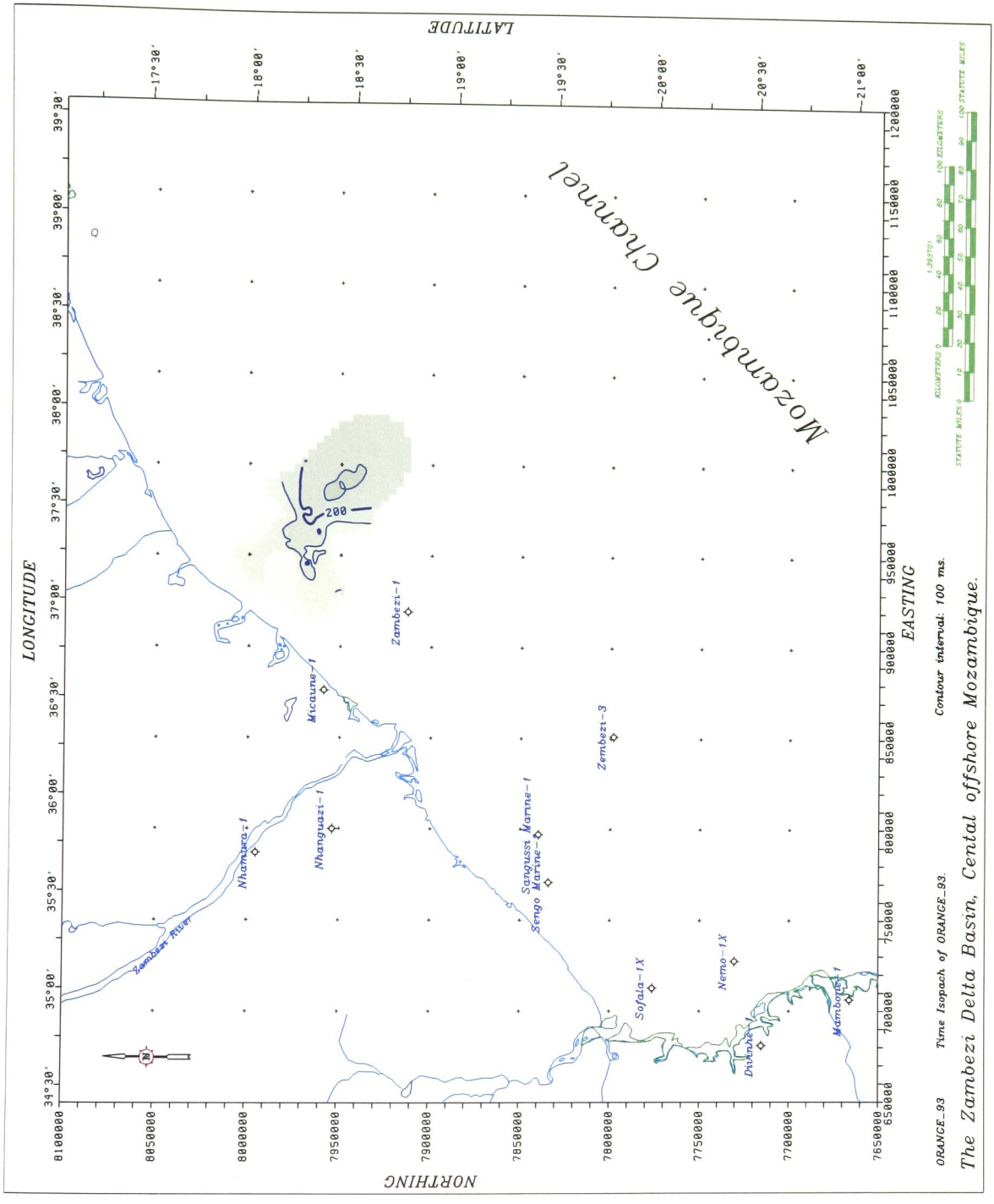

Figure D.30: Time isopach map of parasequence D6:4-2.

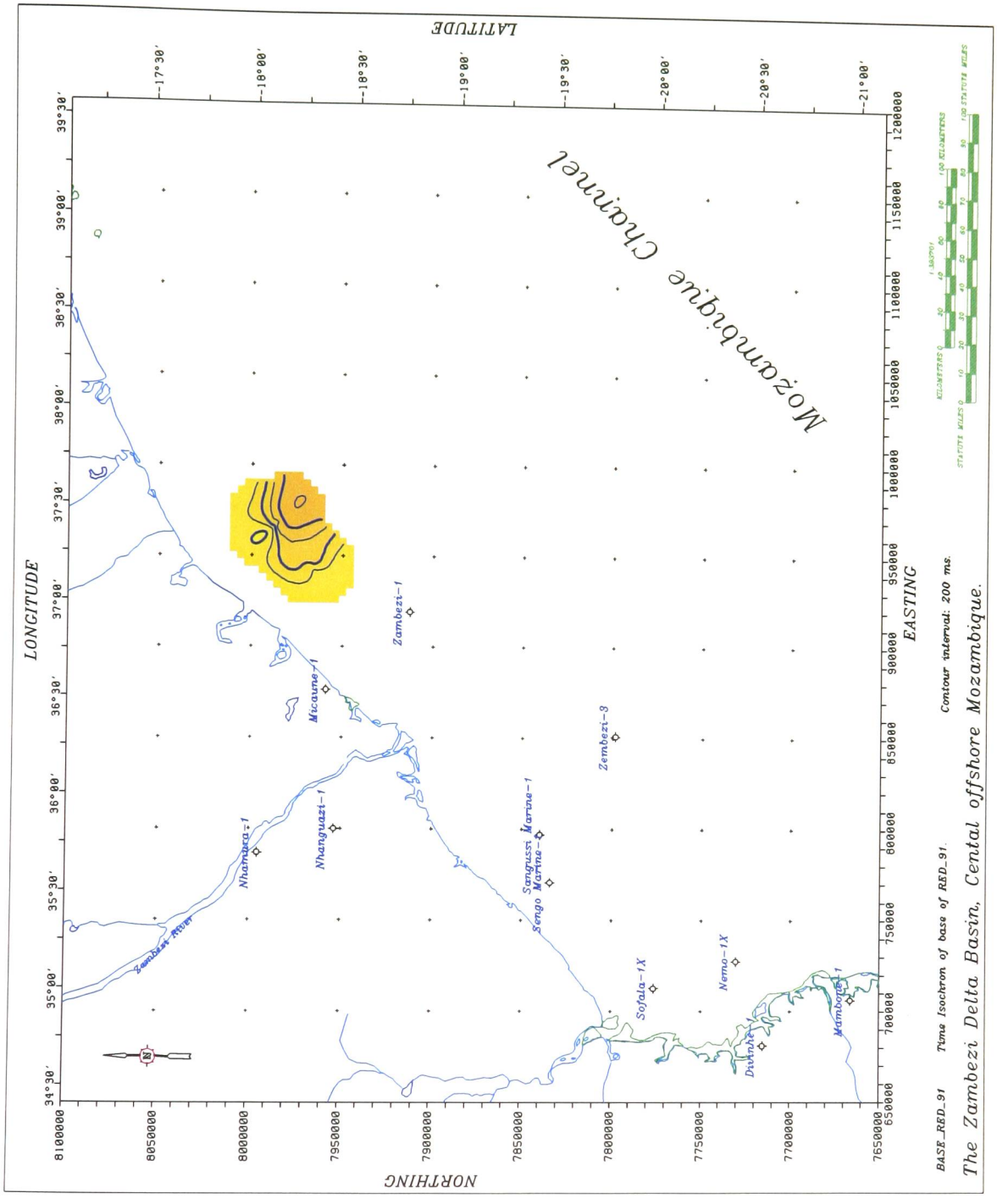

Figure D.31: Time isochron map of parasequence D6:4-3.

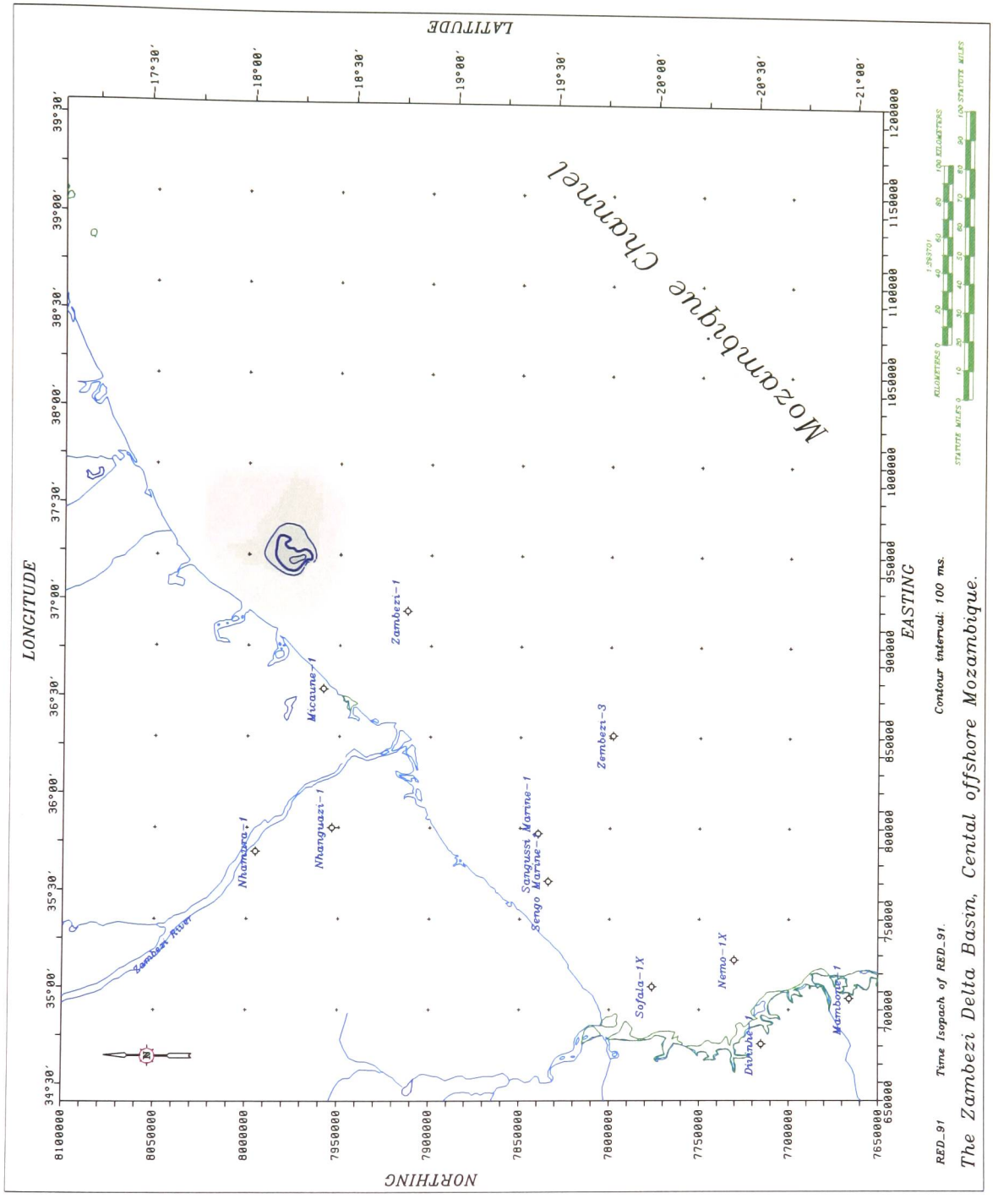

Figure D.32: Time isopach map of parasequence D6:4-3.

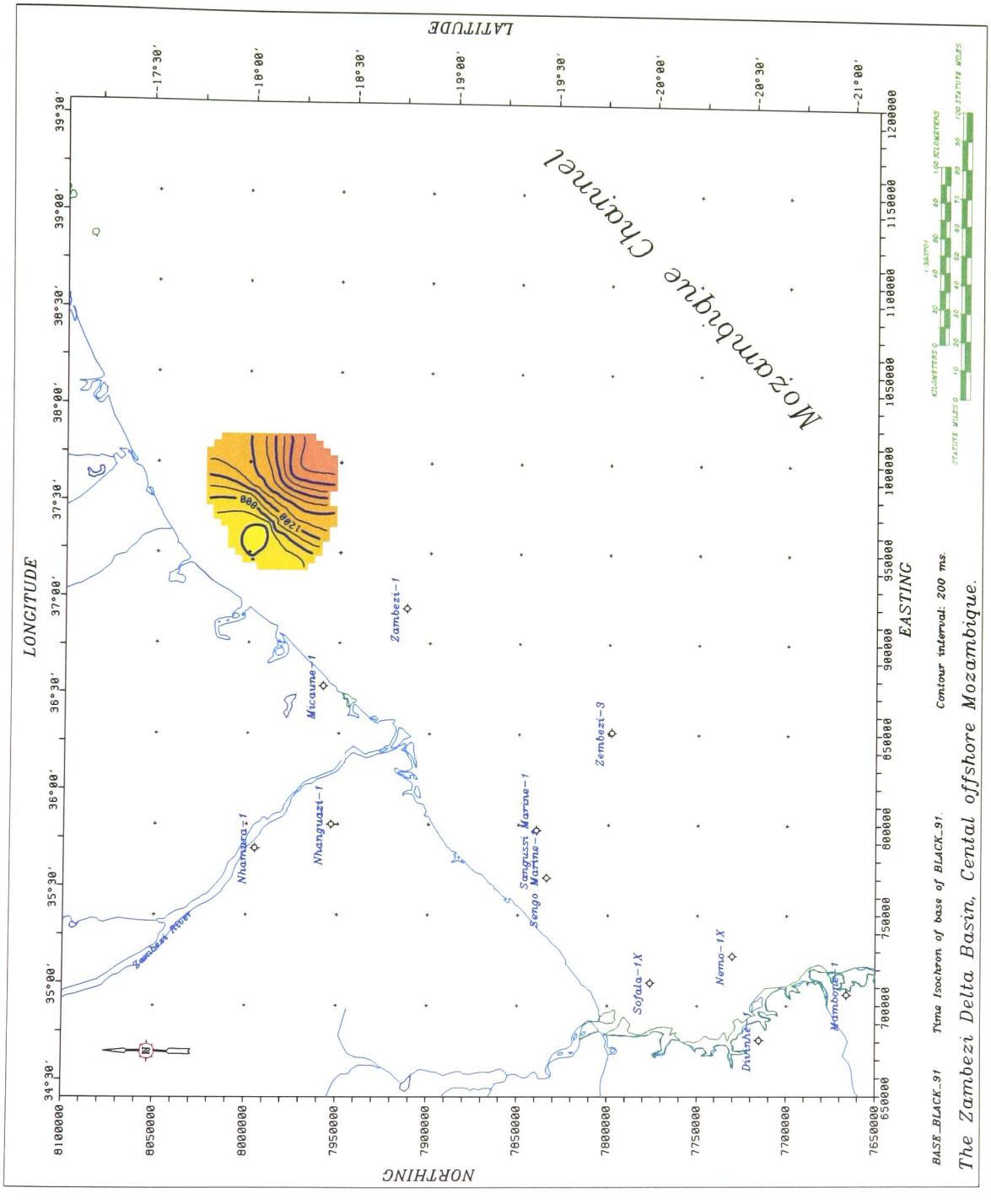

Figure D.33: Time isochron map of parasequence D6:4-4.

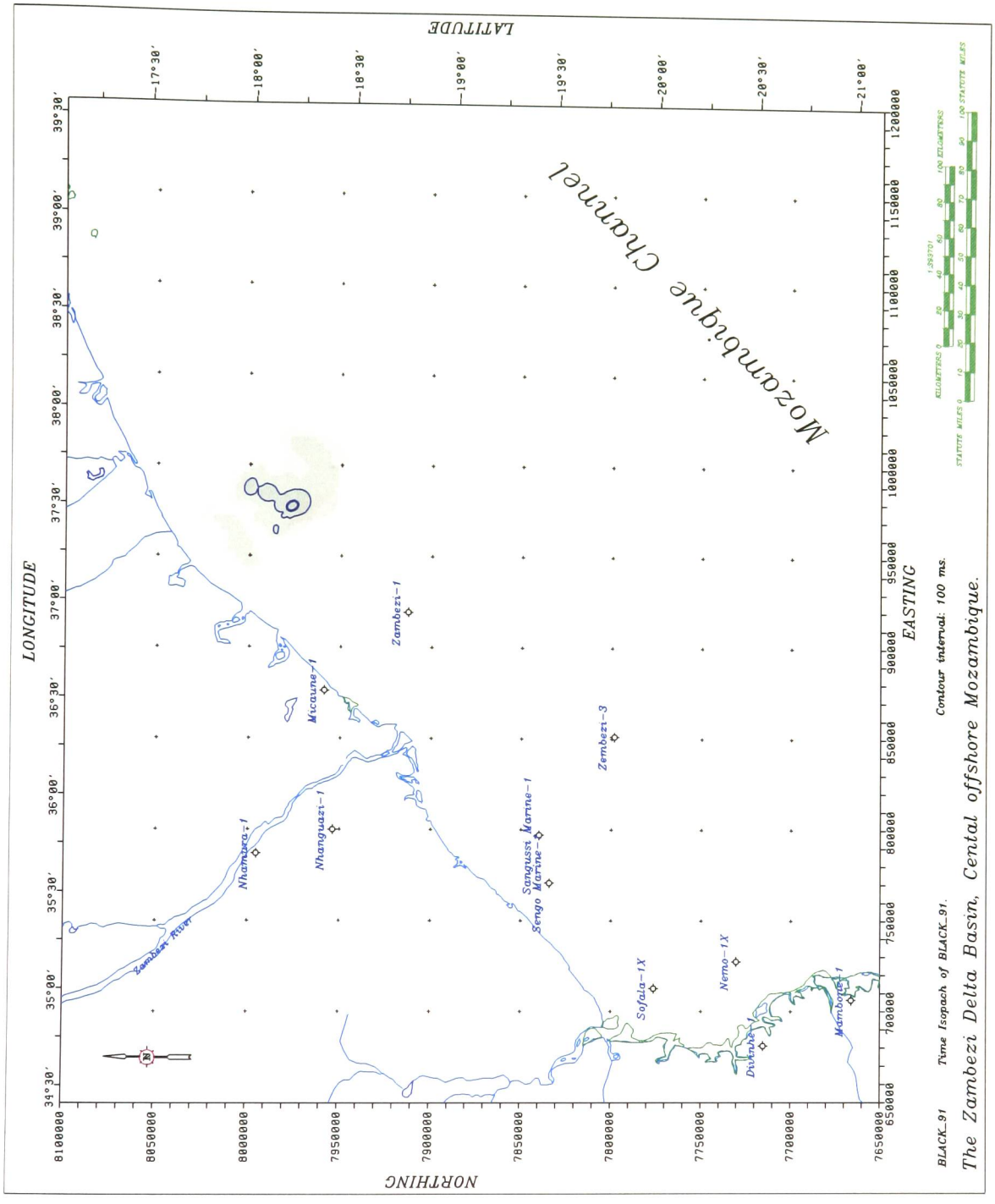

Figure D.34: Time isopach map of parasequence D6:4-4.

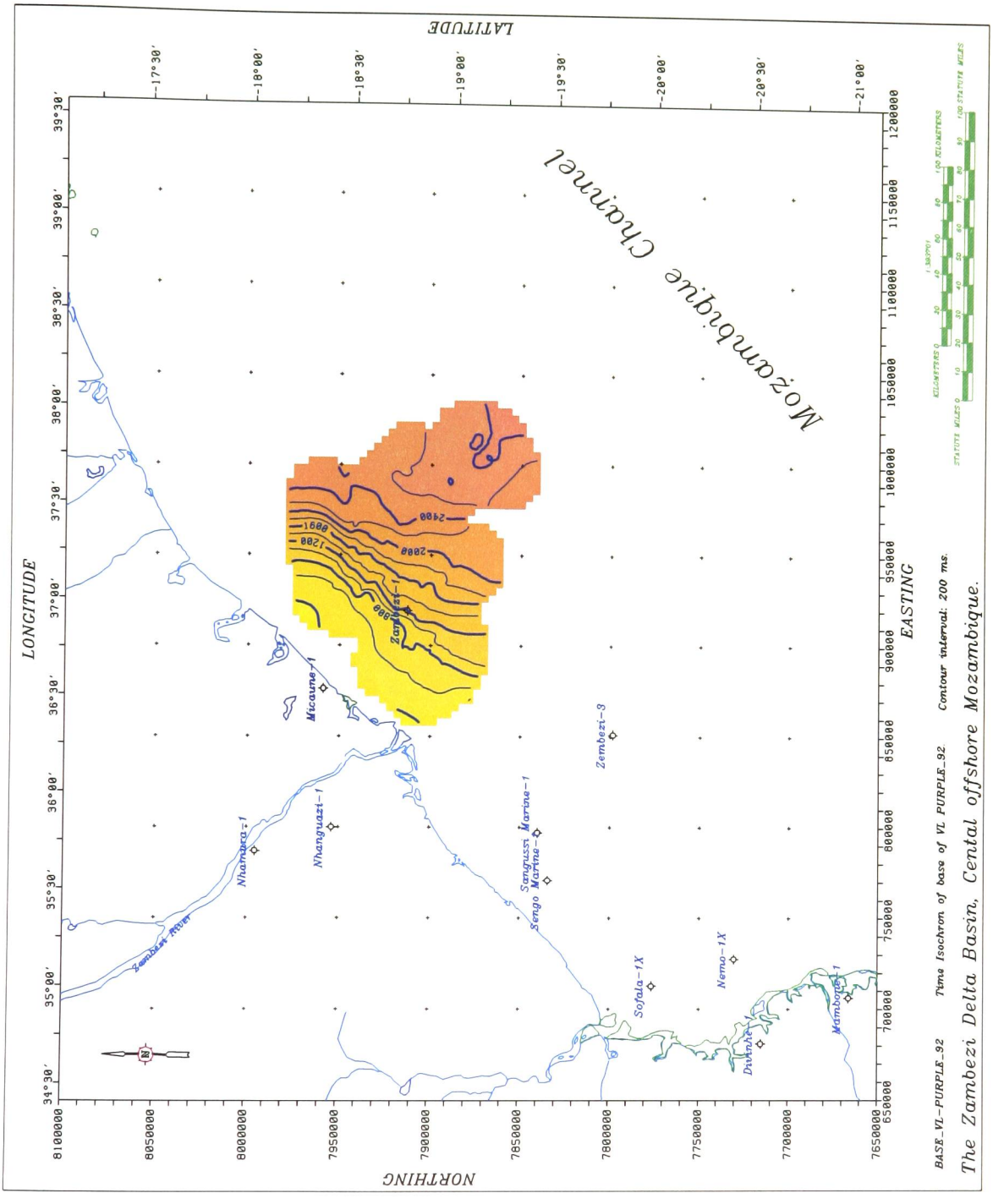

Figure D.35: Time isochron map of parasequence D7:2-1.

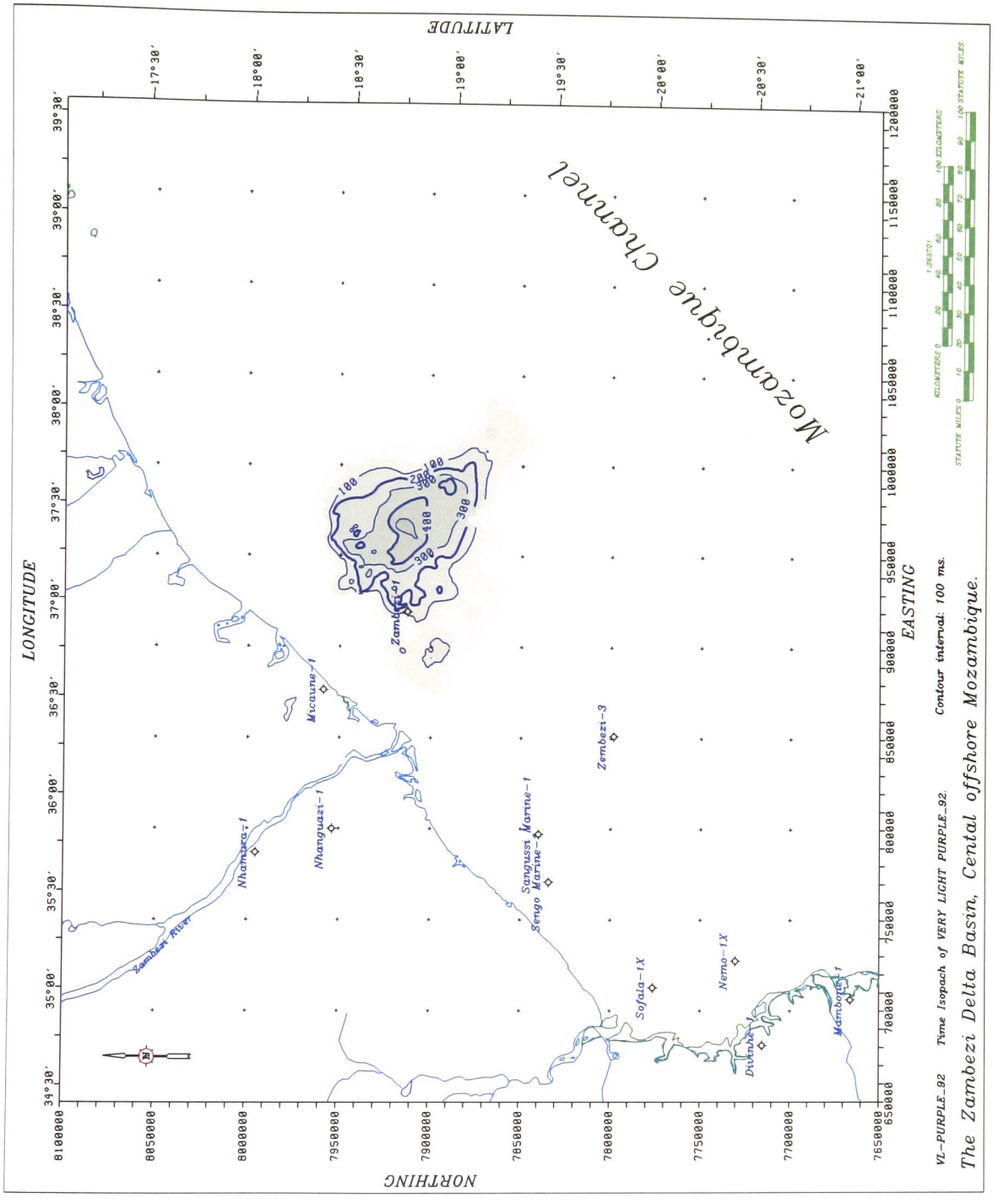

Figure D.36: Time isopach map of parasequence D7:2-1.

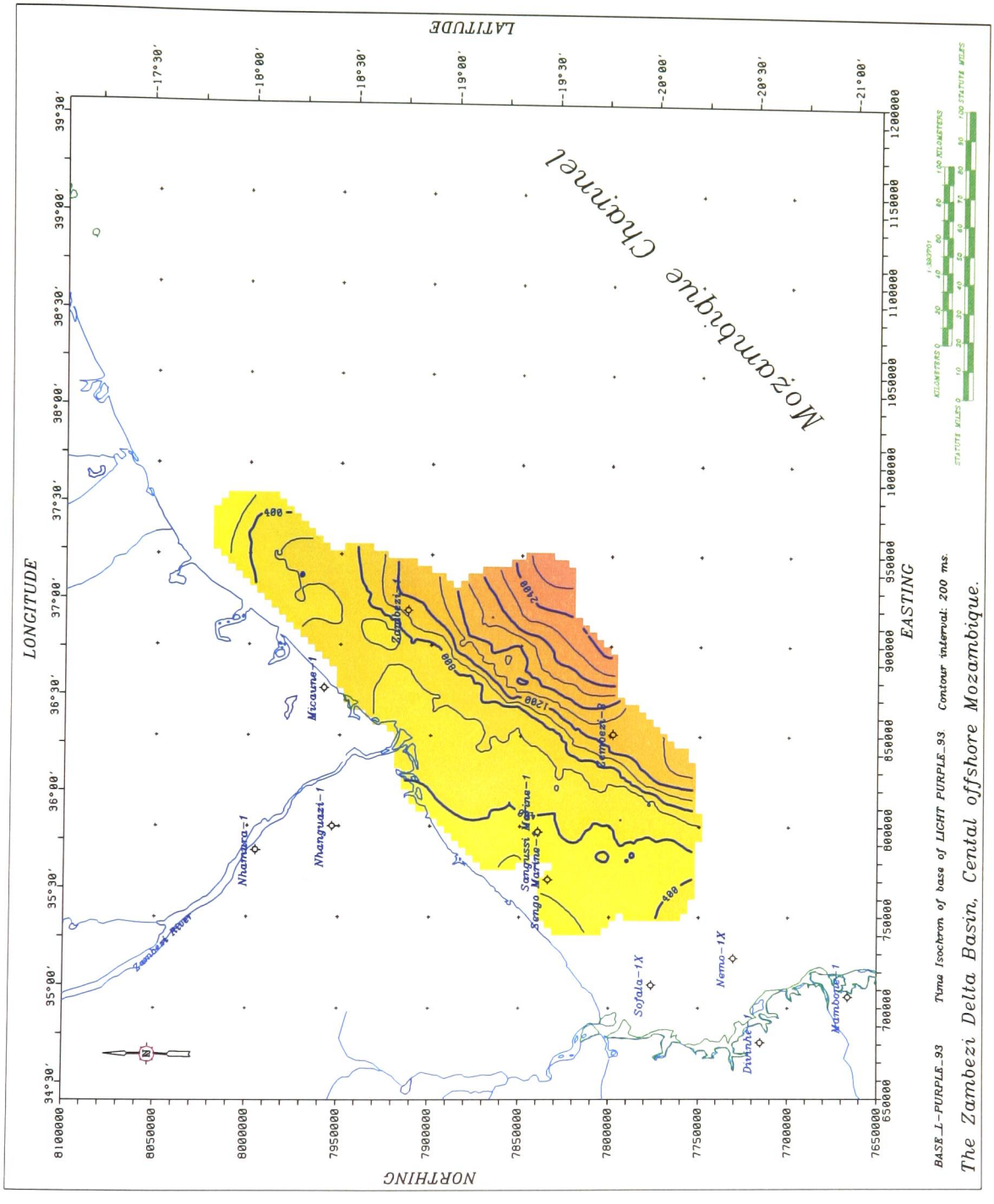

Figure D.37: Time isochron map of parasequence D7:2-2.

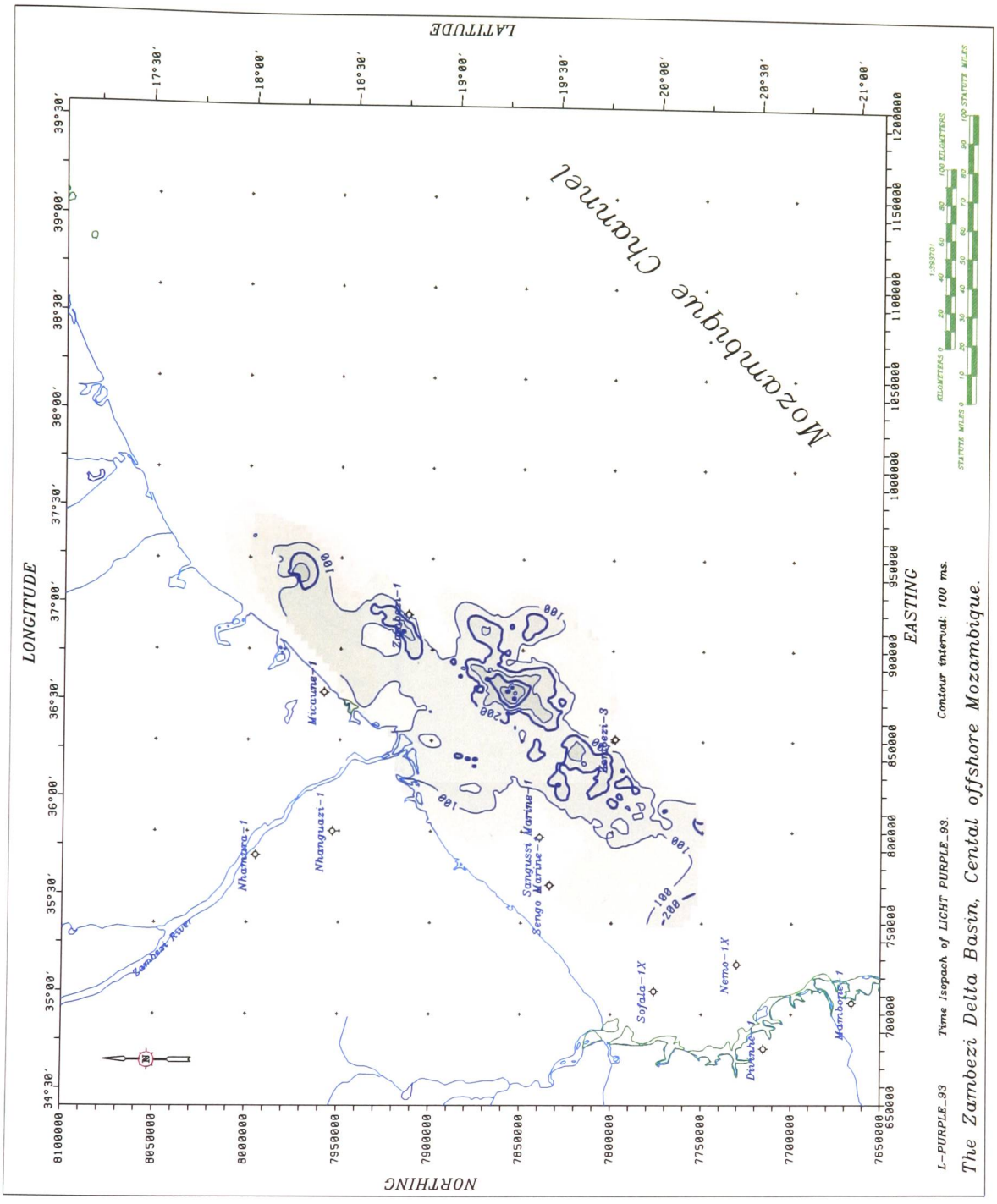

Figure D.38: Time isopach map of parasequence D7:2-2.

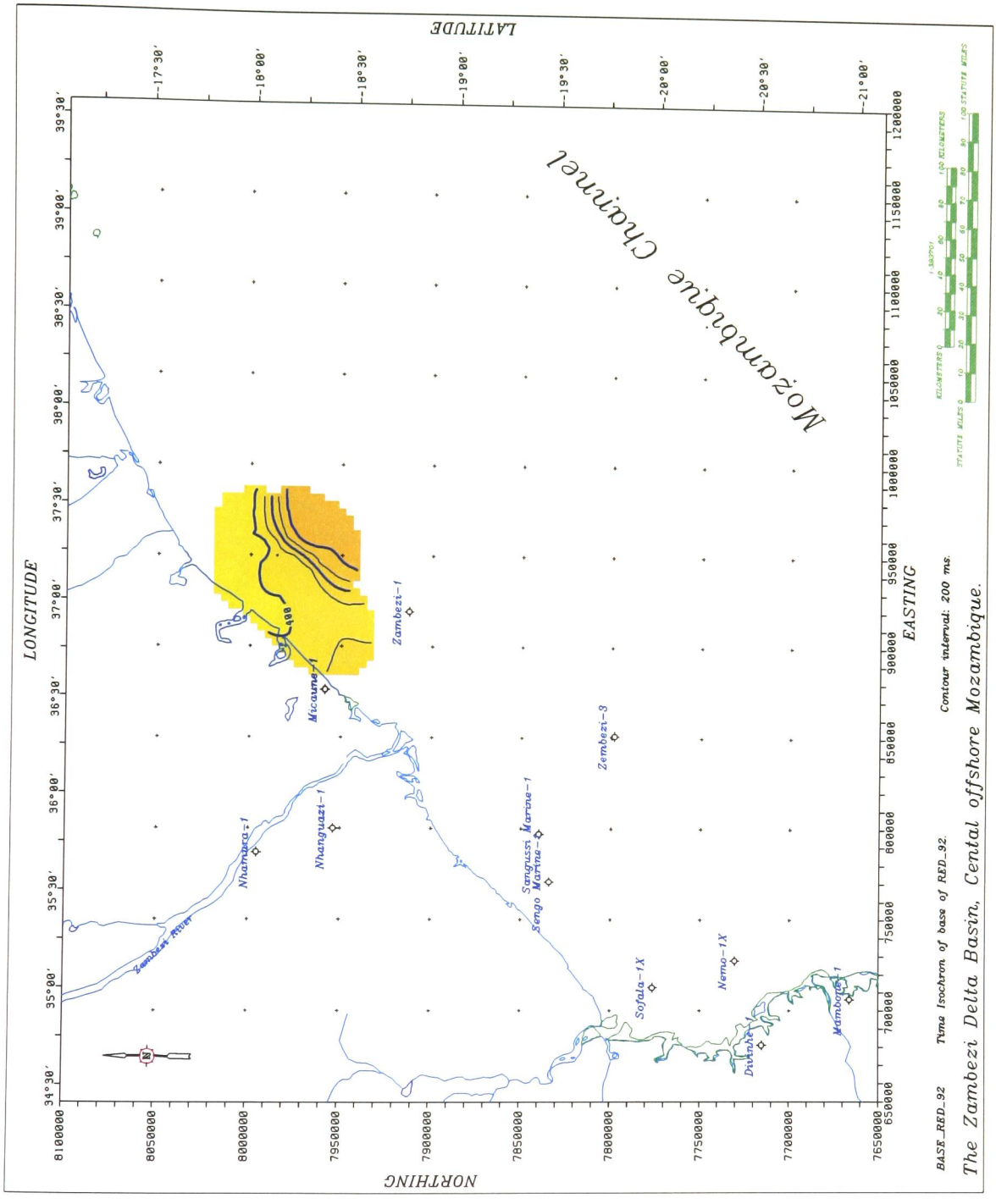

Figure D.39: Time isochron map of parasequence D8:3-1.

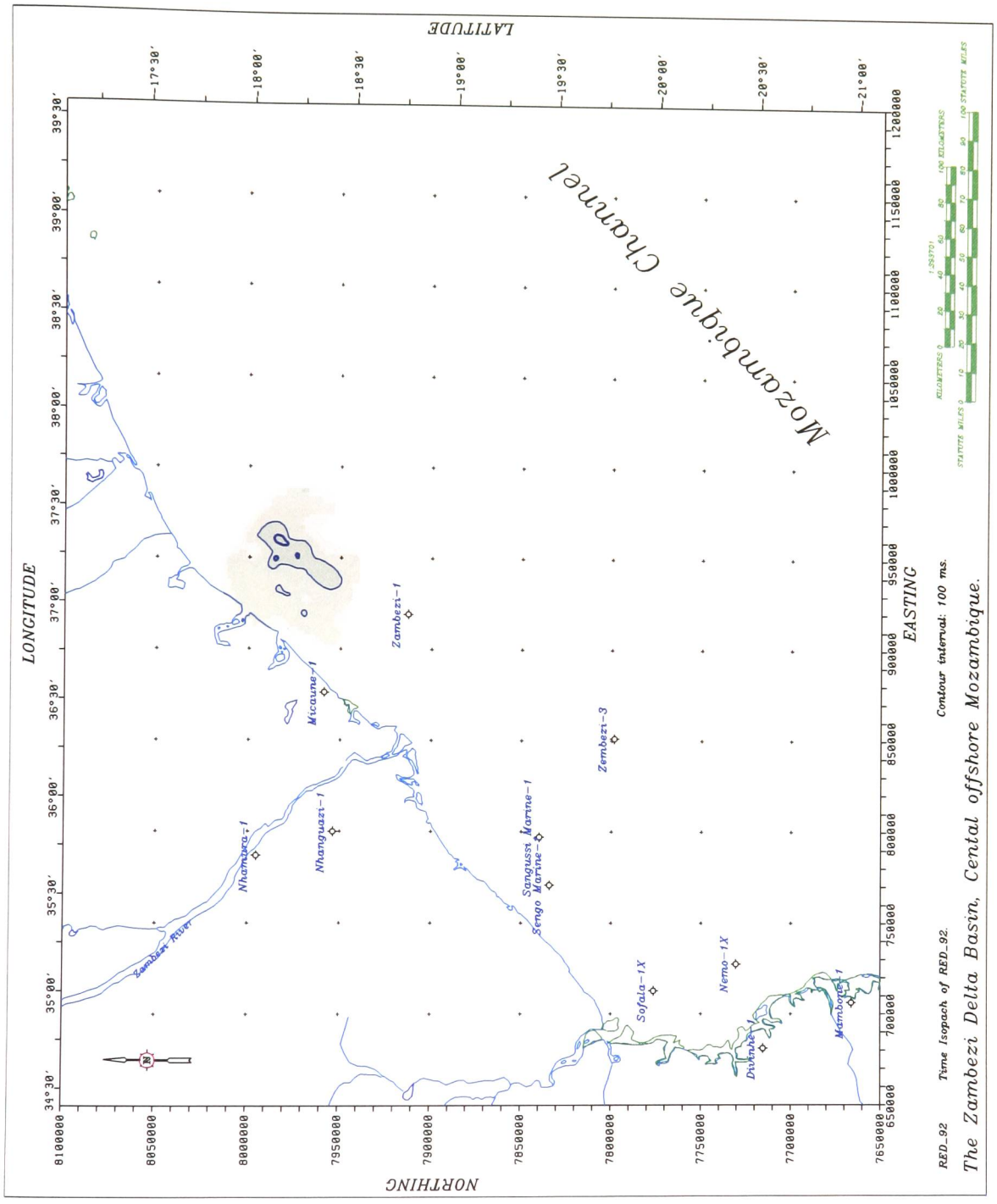

Figure D.40: Time isopach map of parasequence D8:3-1.

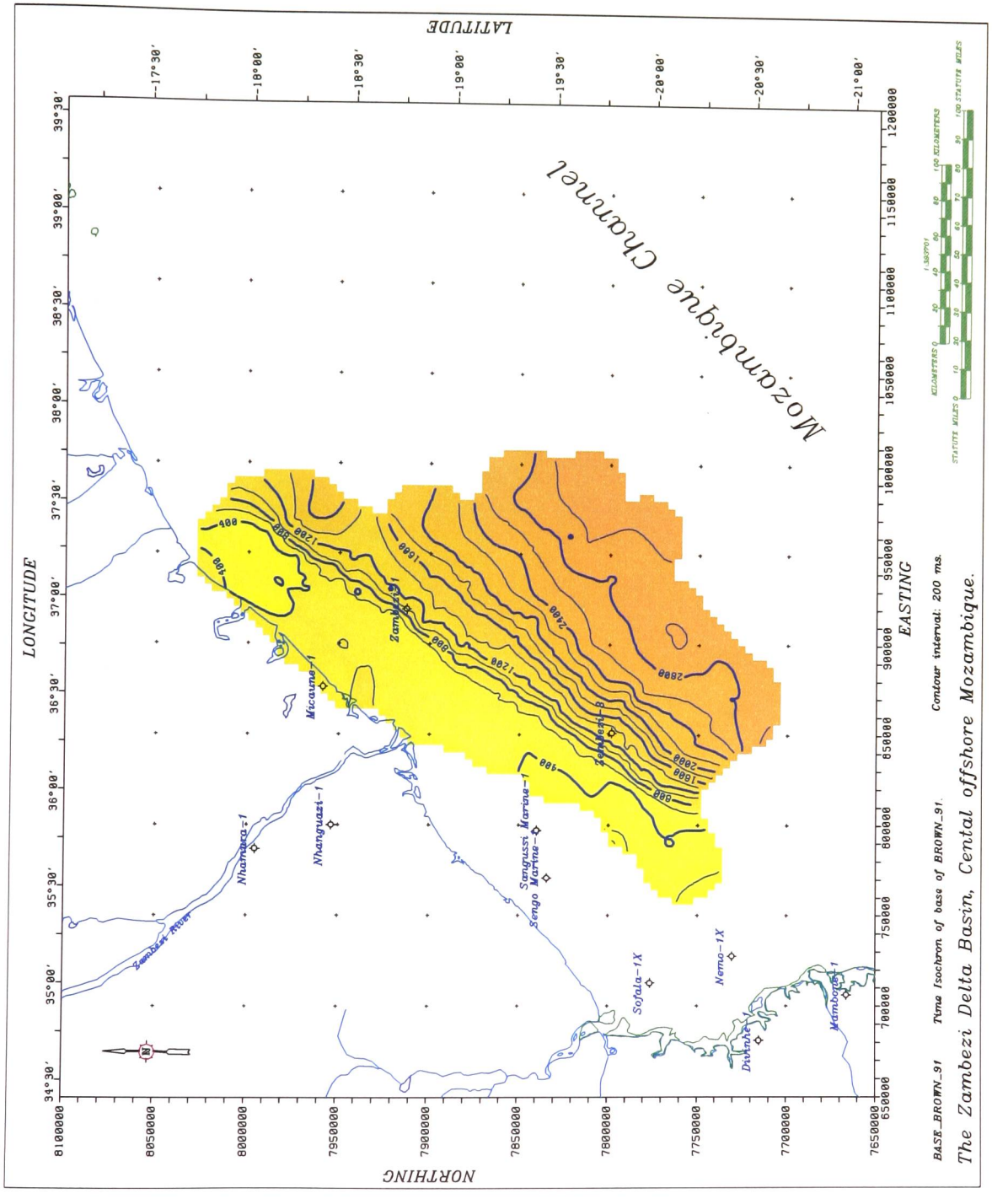

Figure D.41: Time isochron map of parasequence D8:3-2.

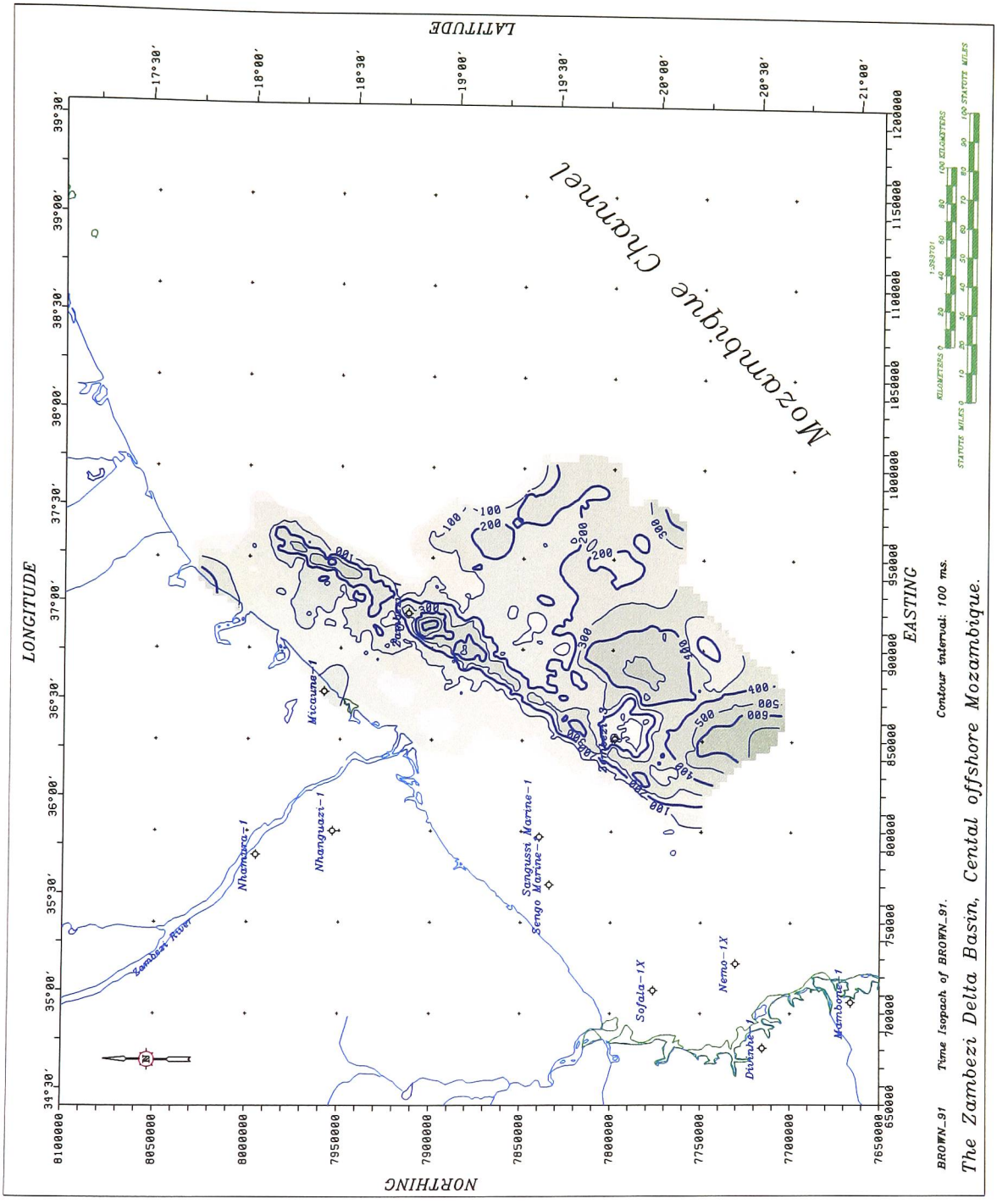

Figure D.42: Time isopach map of parasequence D8:3-2.

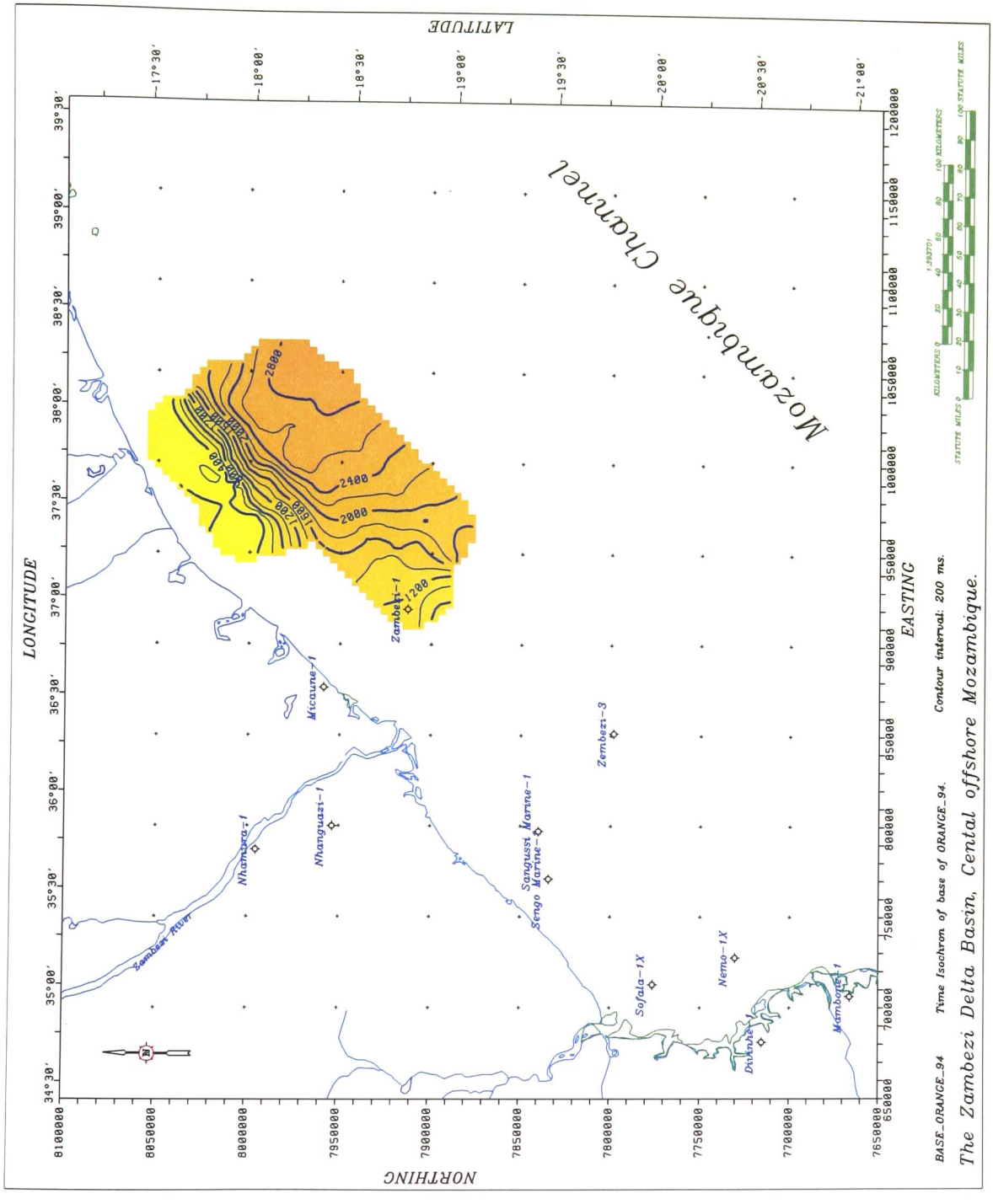

Figure D.43: Time isochron map of parasequence D8:3-3.

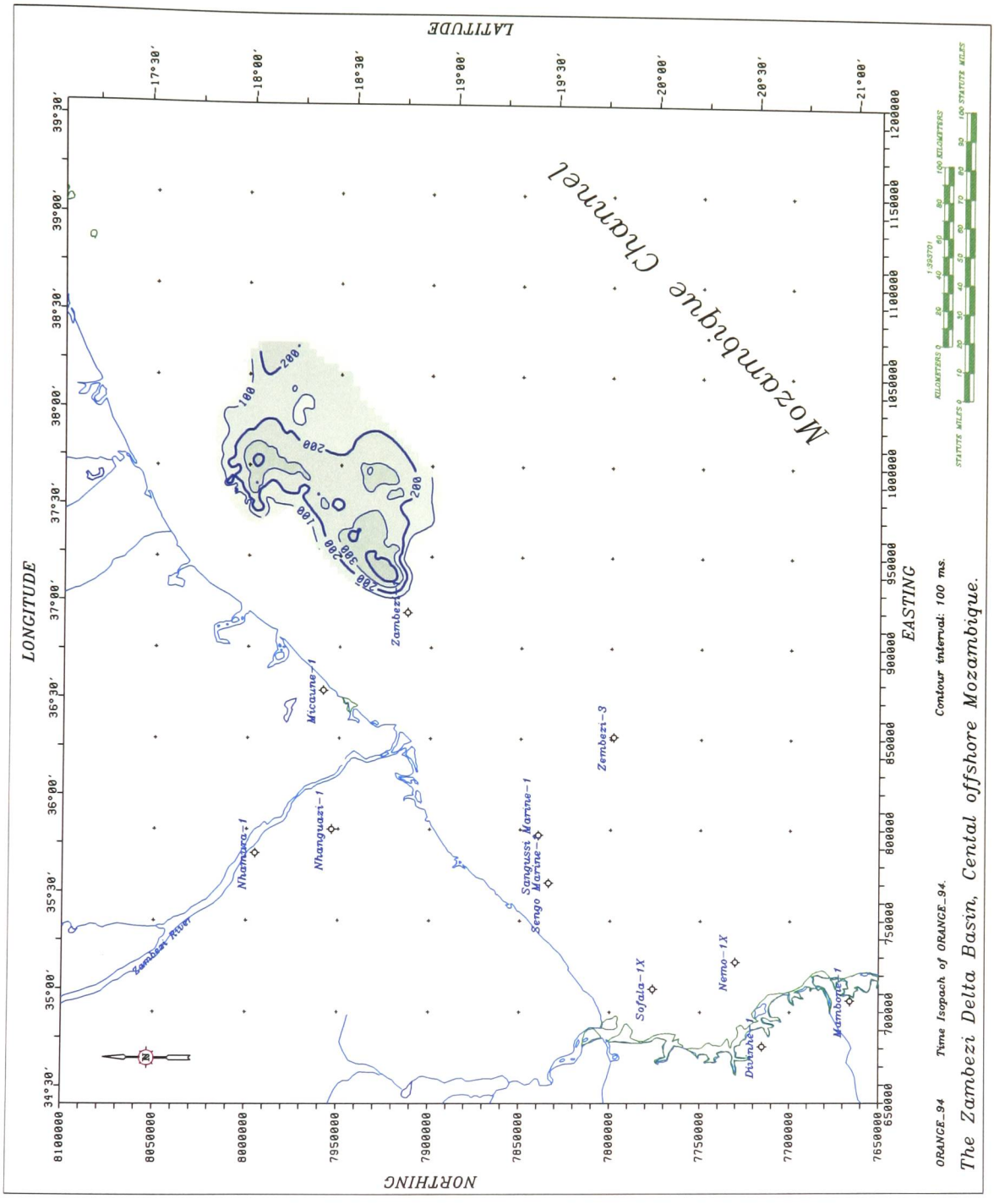

Figure D.44: Time isopach map of parasequence D8:3-3.

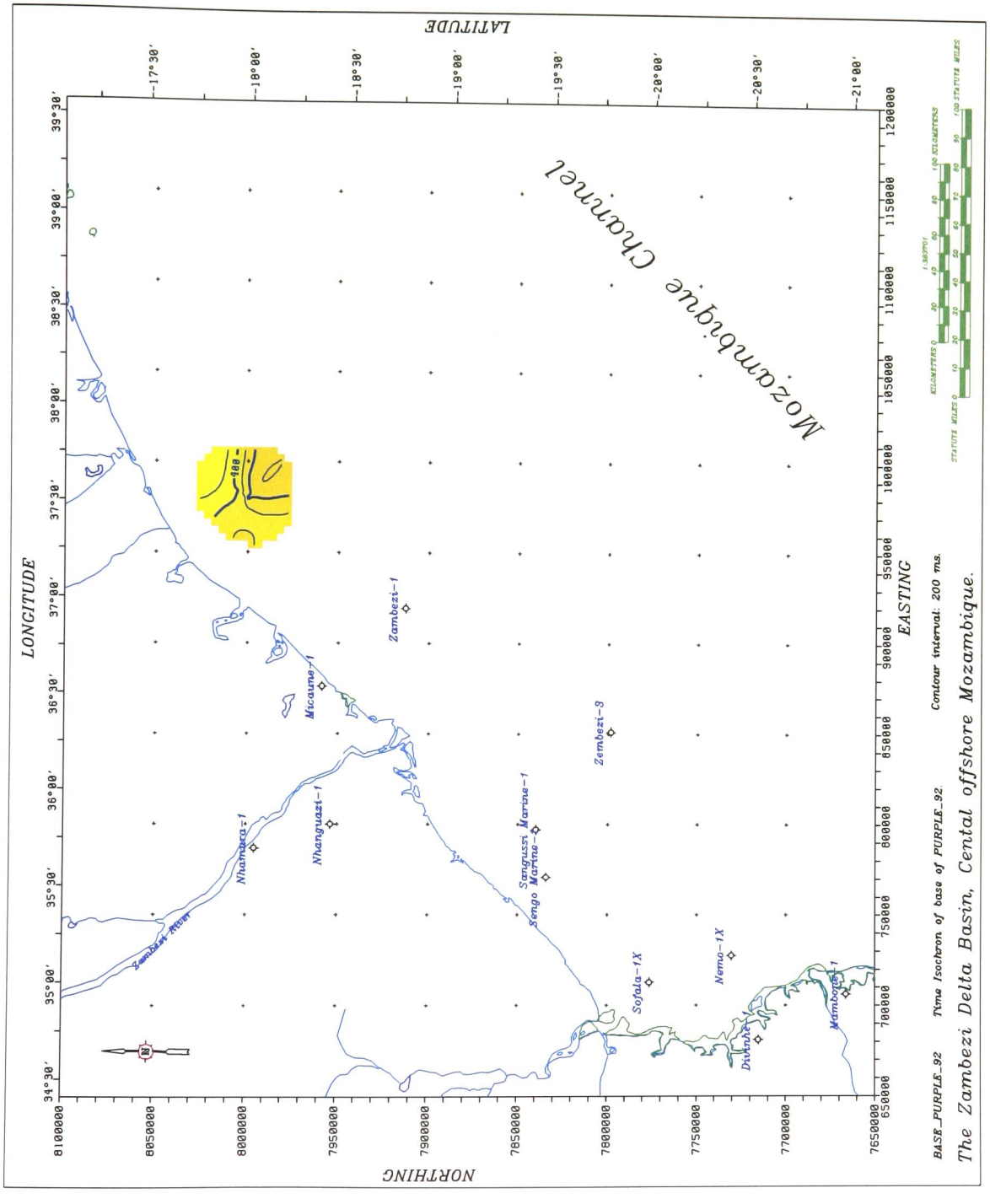

Figure D.45: Time isochron map of parasequence D9:3-1.

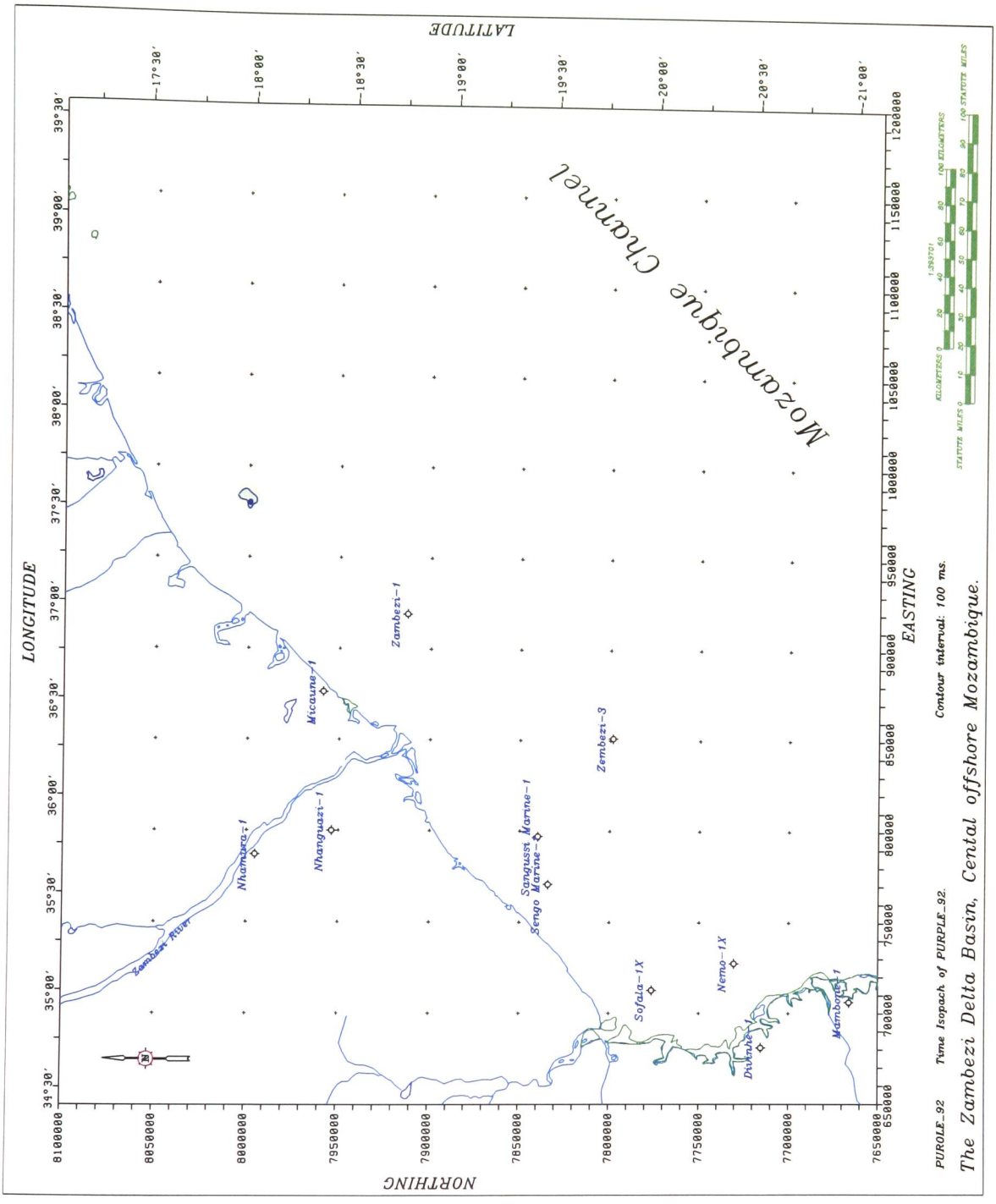

Figure D.46: Time isopach map of parasequence D9:3-1.

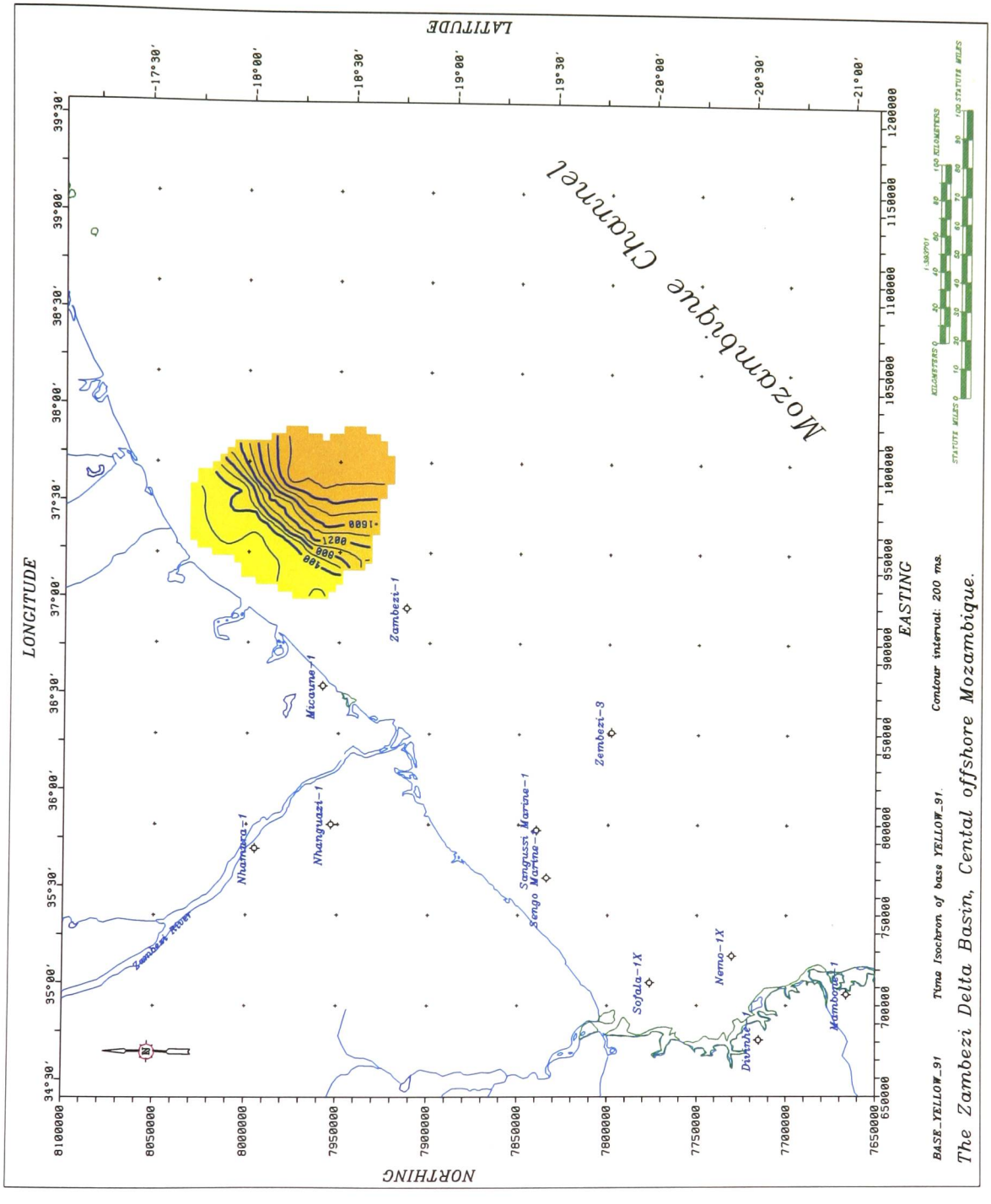

Figure D.47: Time isochron map of parasequence D9:3-2.

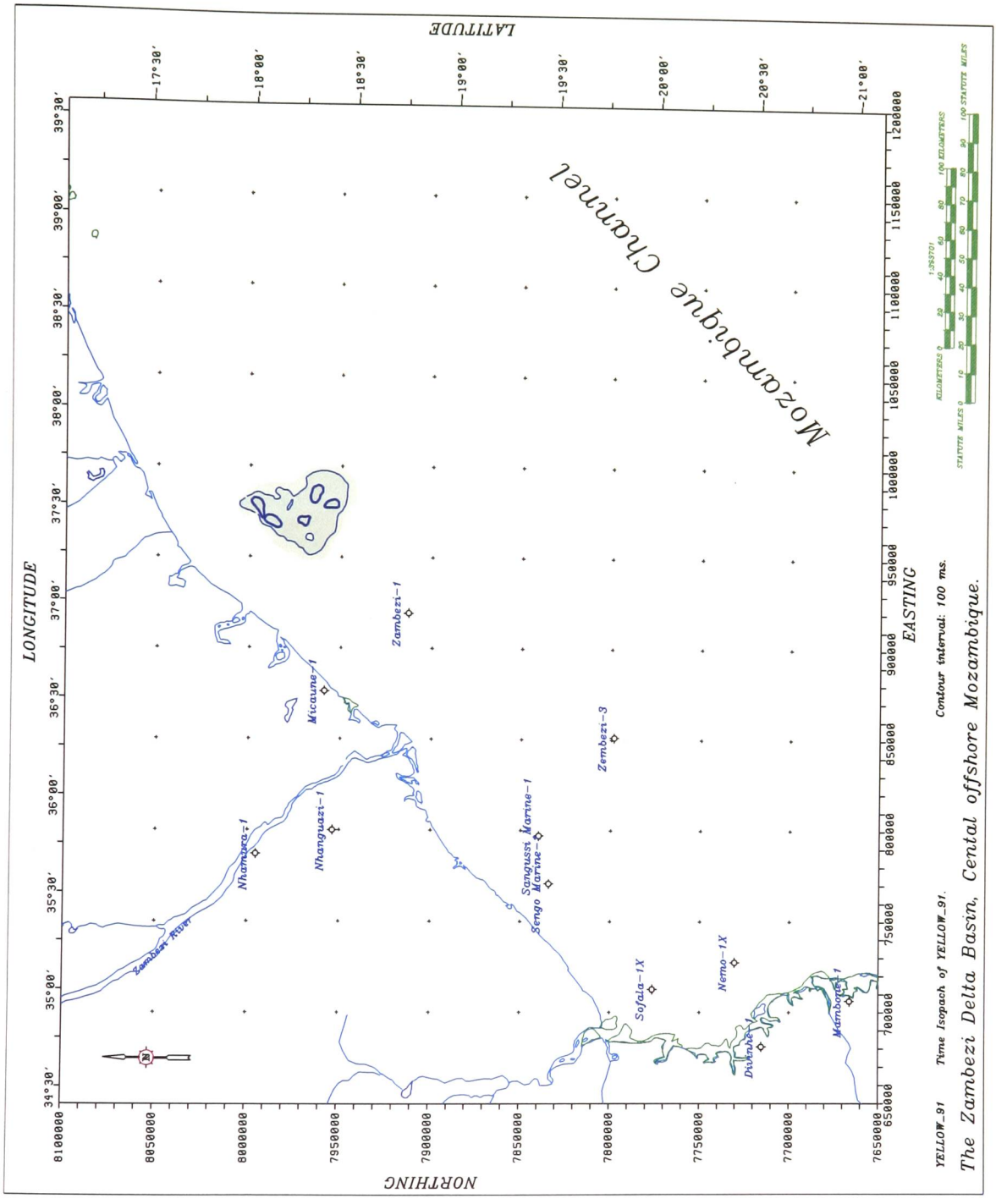

Figure D.48: Time isopach map of parasequence D9:3-2.

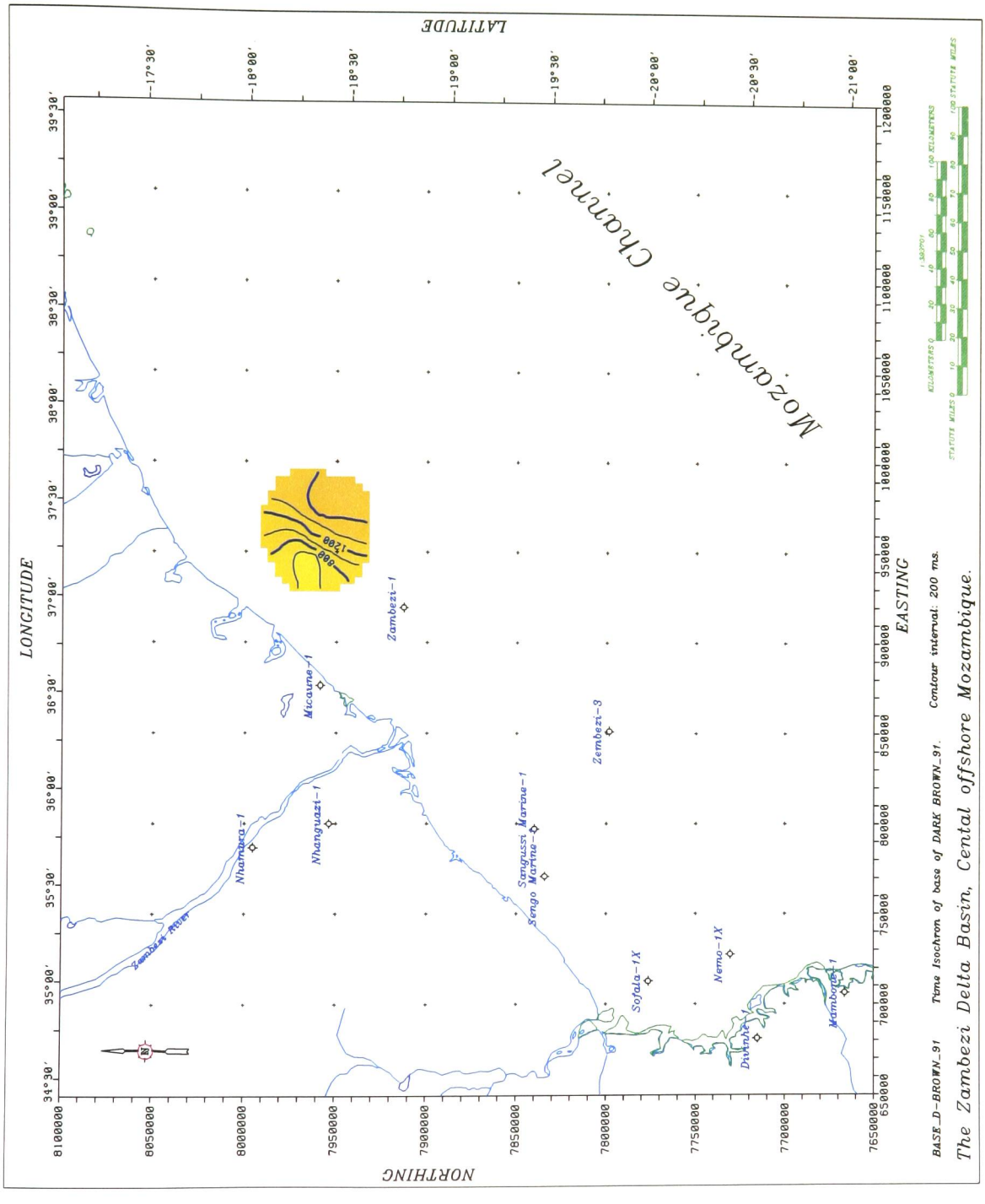

Figure D.49: Time isochron map of parasequence D9:3-3.

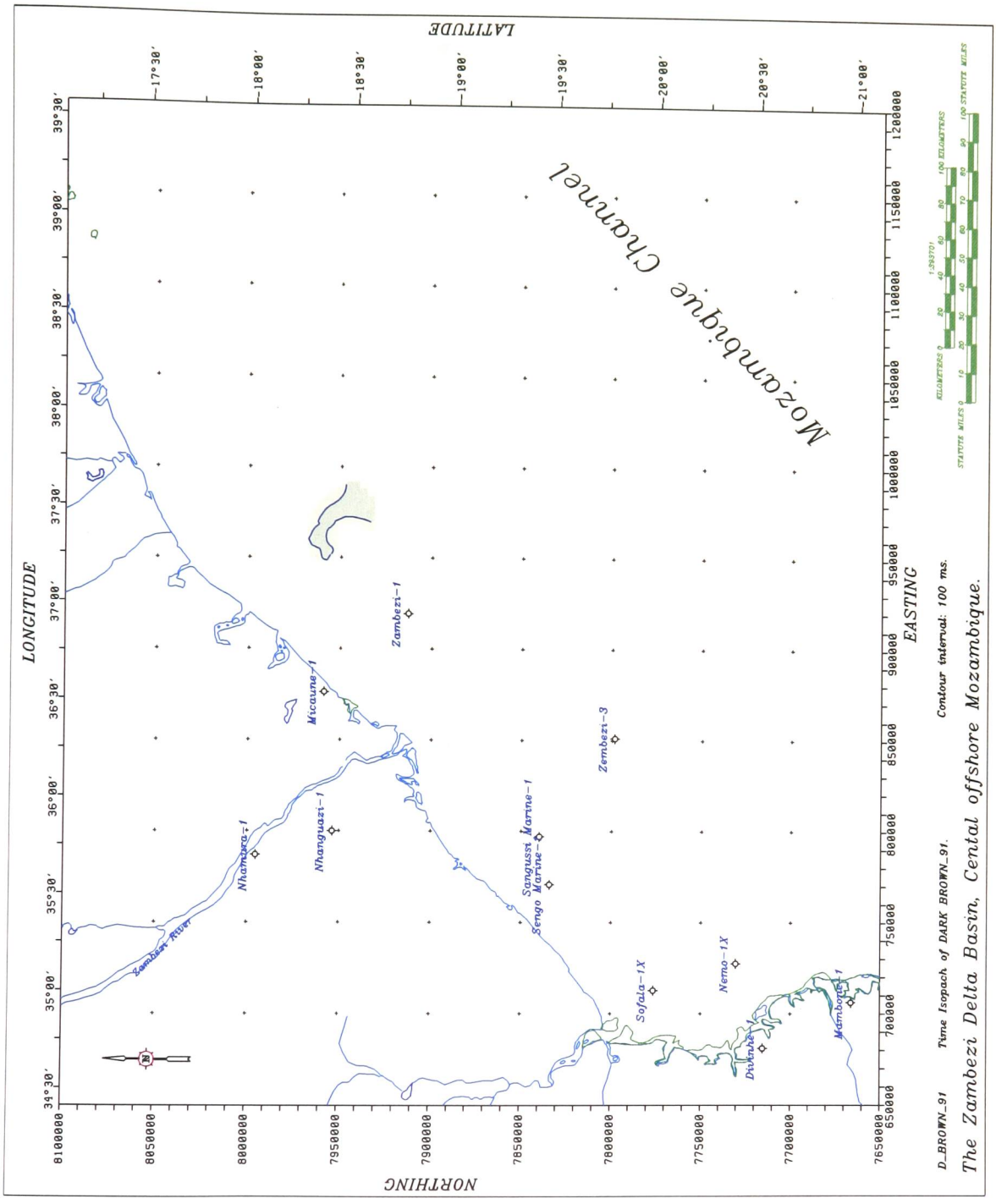

Figure D.50: Time isopach map of parasequence D9:3-3.

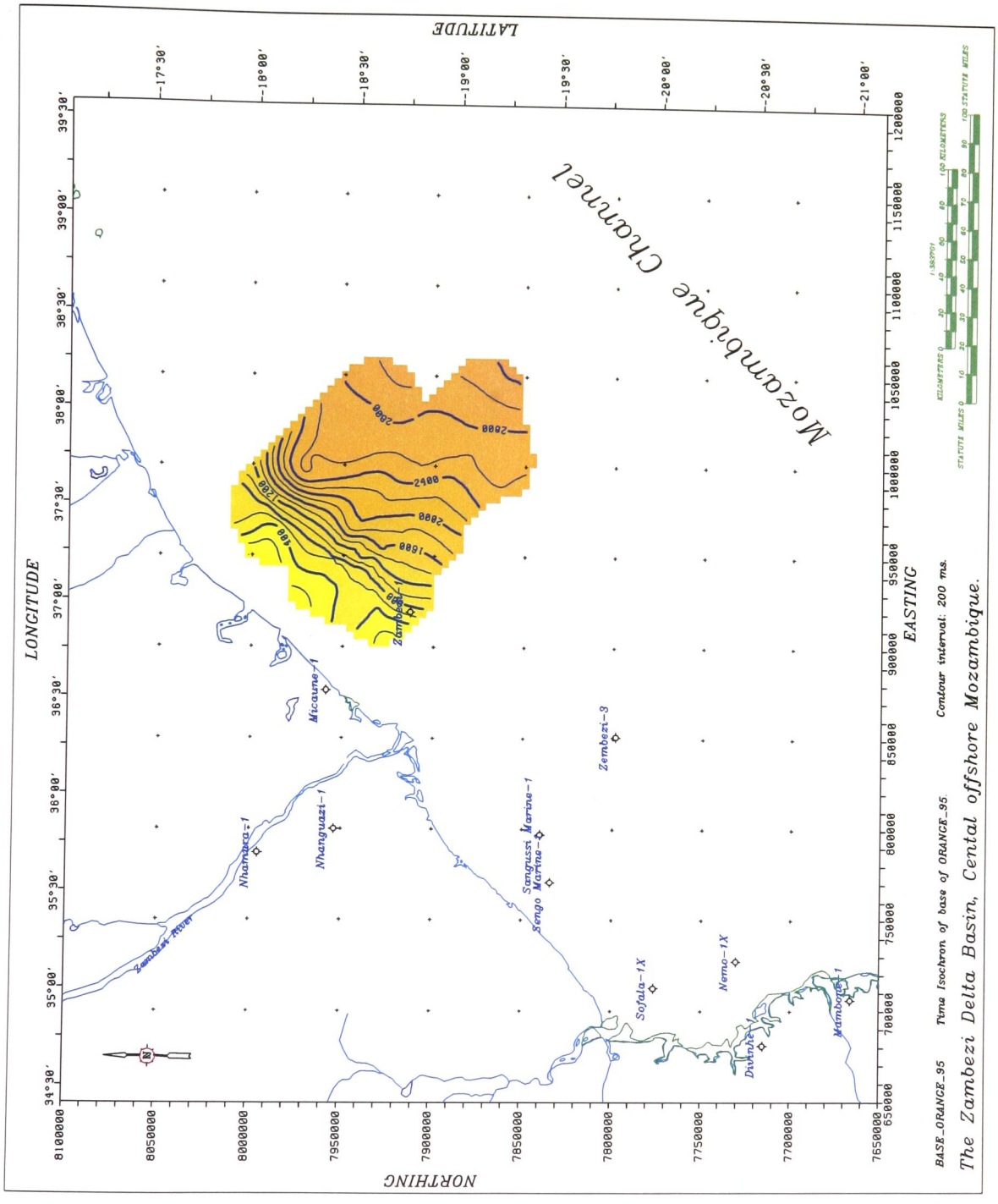

Figure D.51: Time isochron map of parasequence D10:3-1.

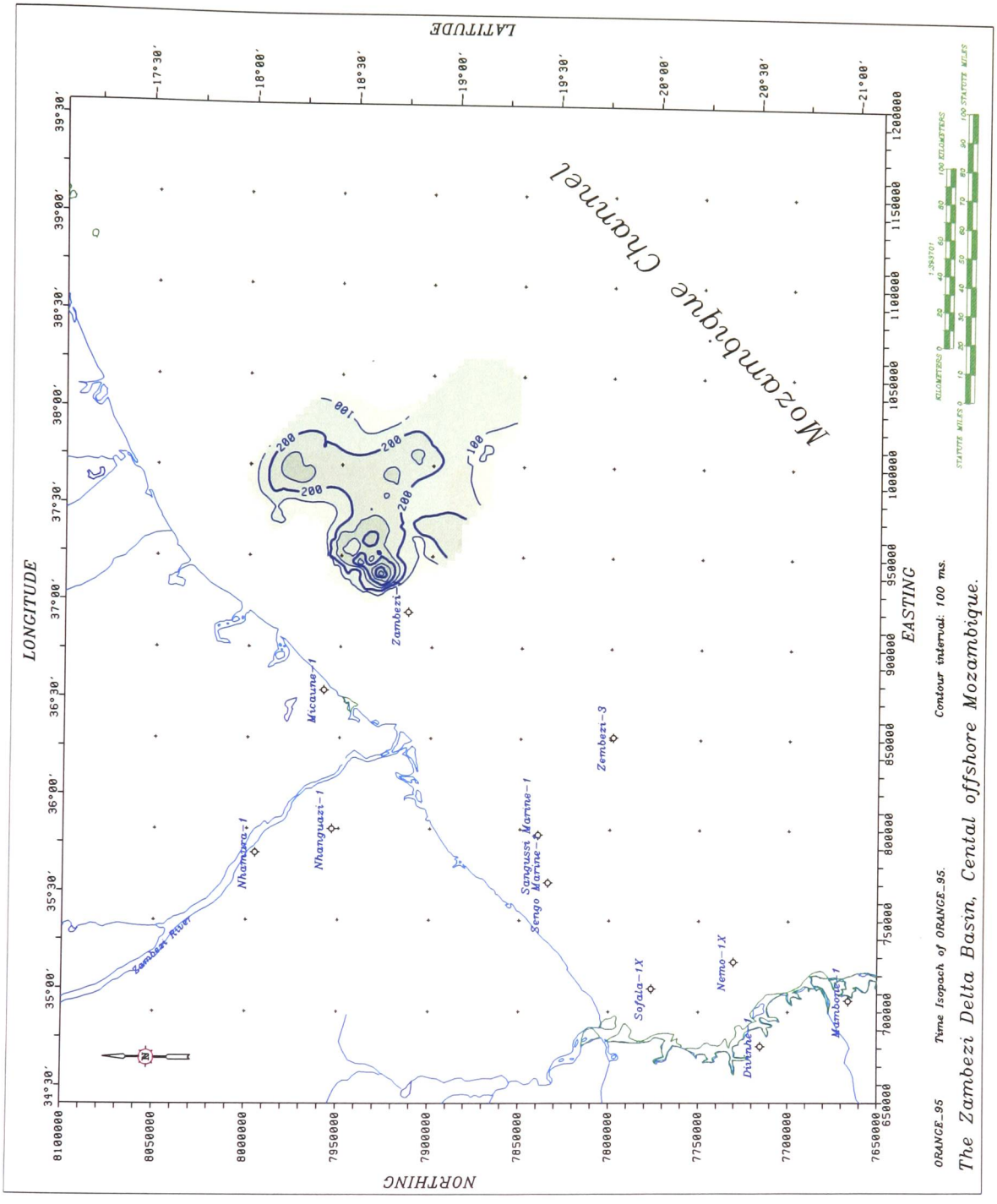

Figure D.52: Time isopach map of parasequence D10:3-1.

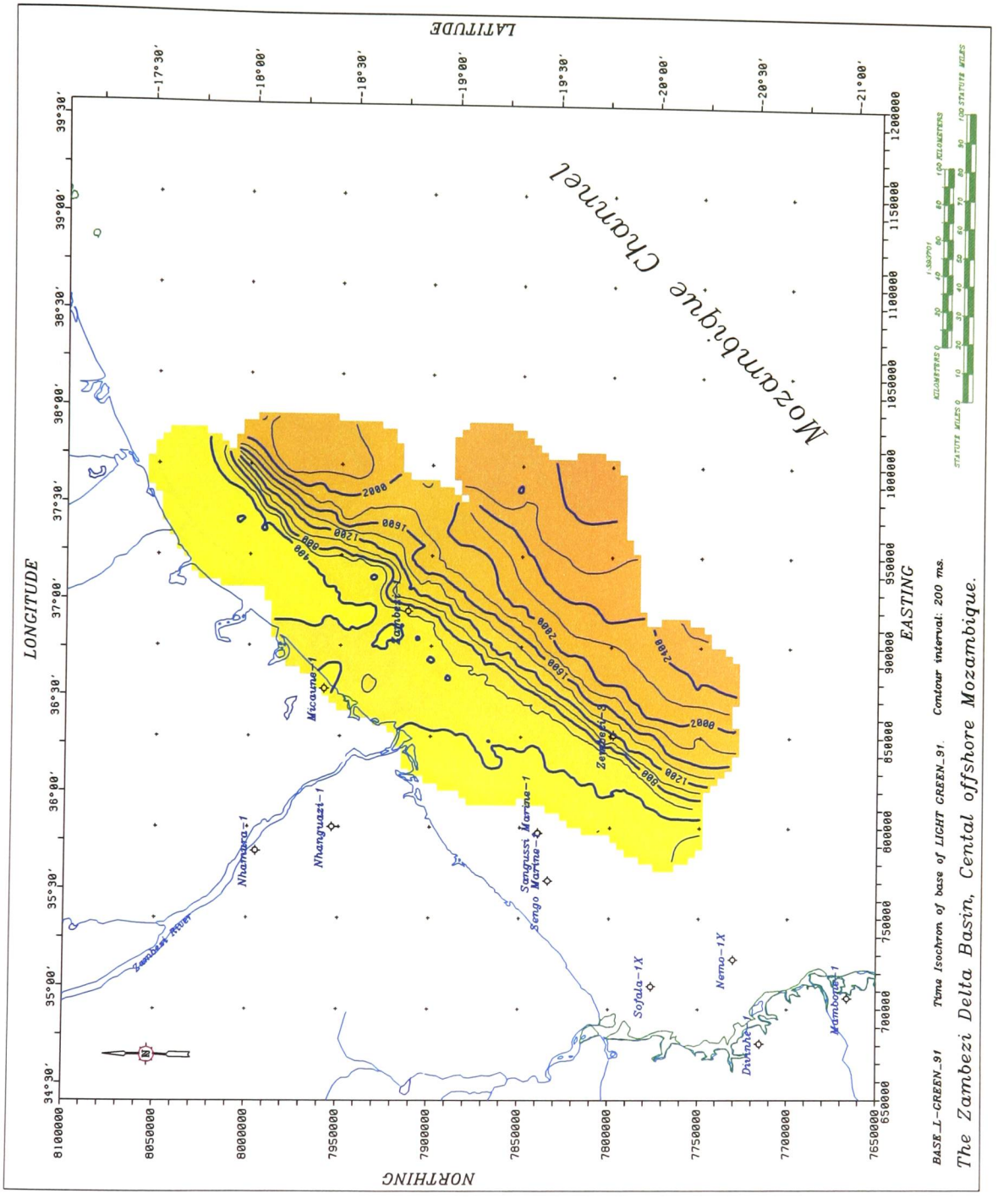

Figure D.53: Time isochron map of parasequence D10:3-2.

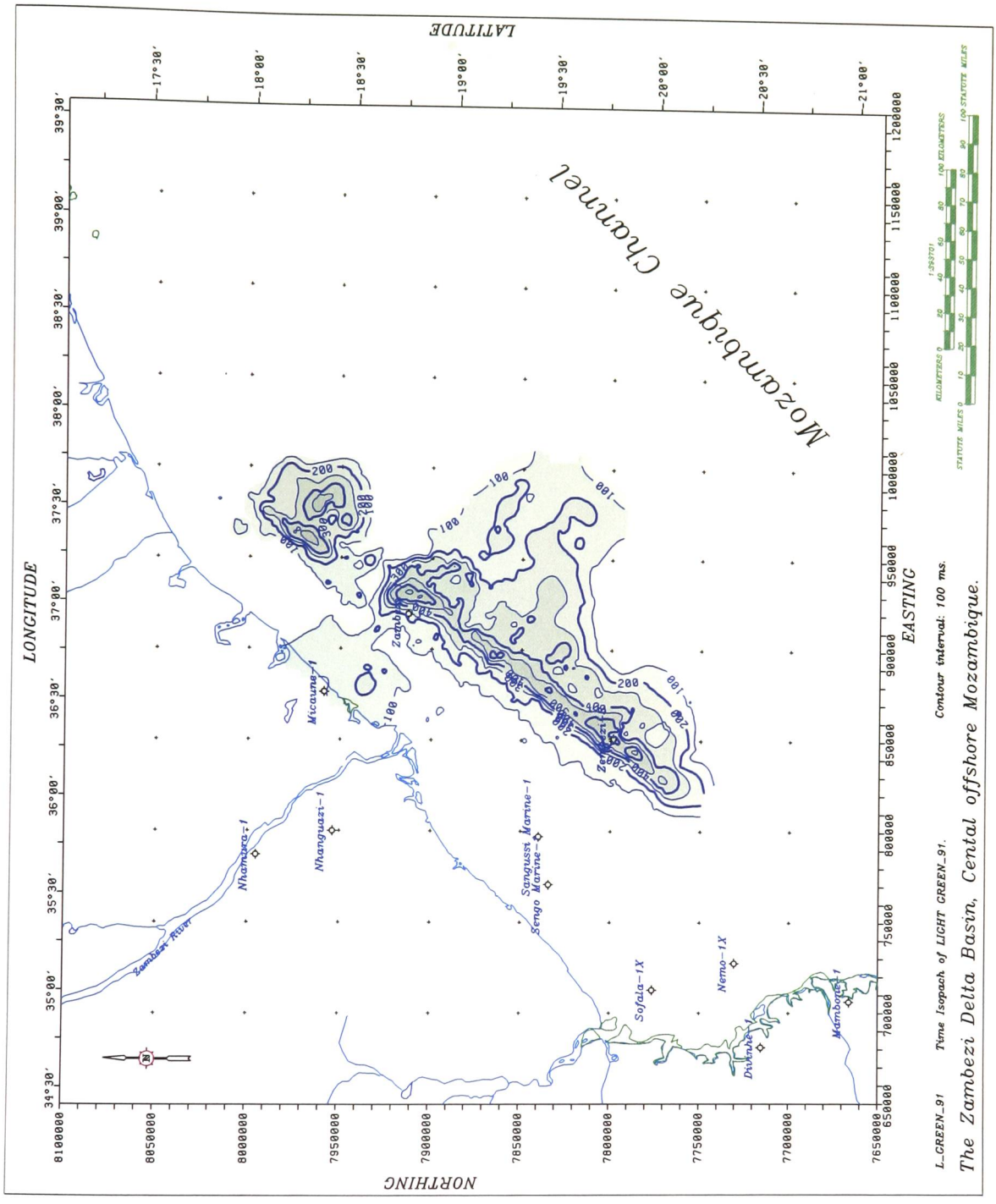

Figure D.54: Time isopach map of parasequence D10:3-2.

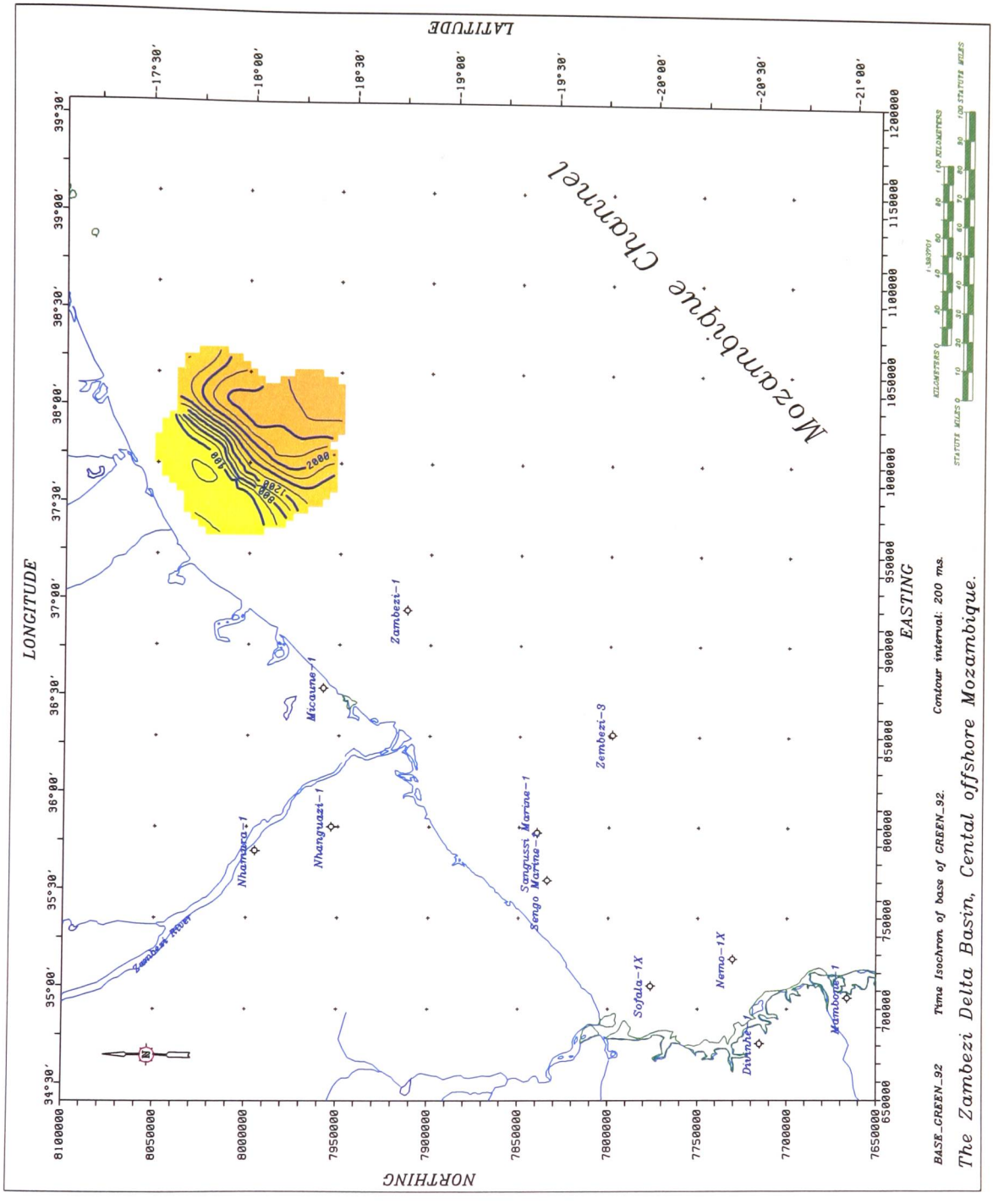

Figure D.55: Time isochron map of parasequence D10:3-3.

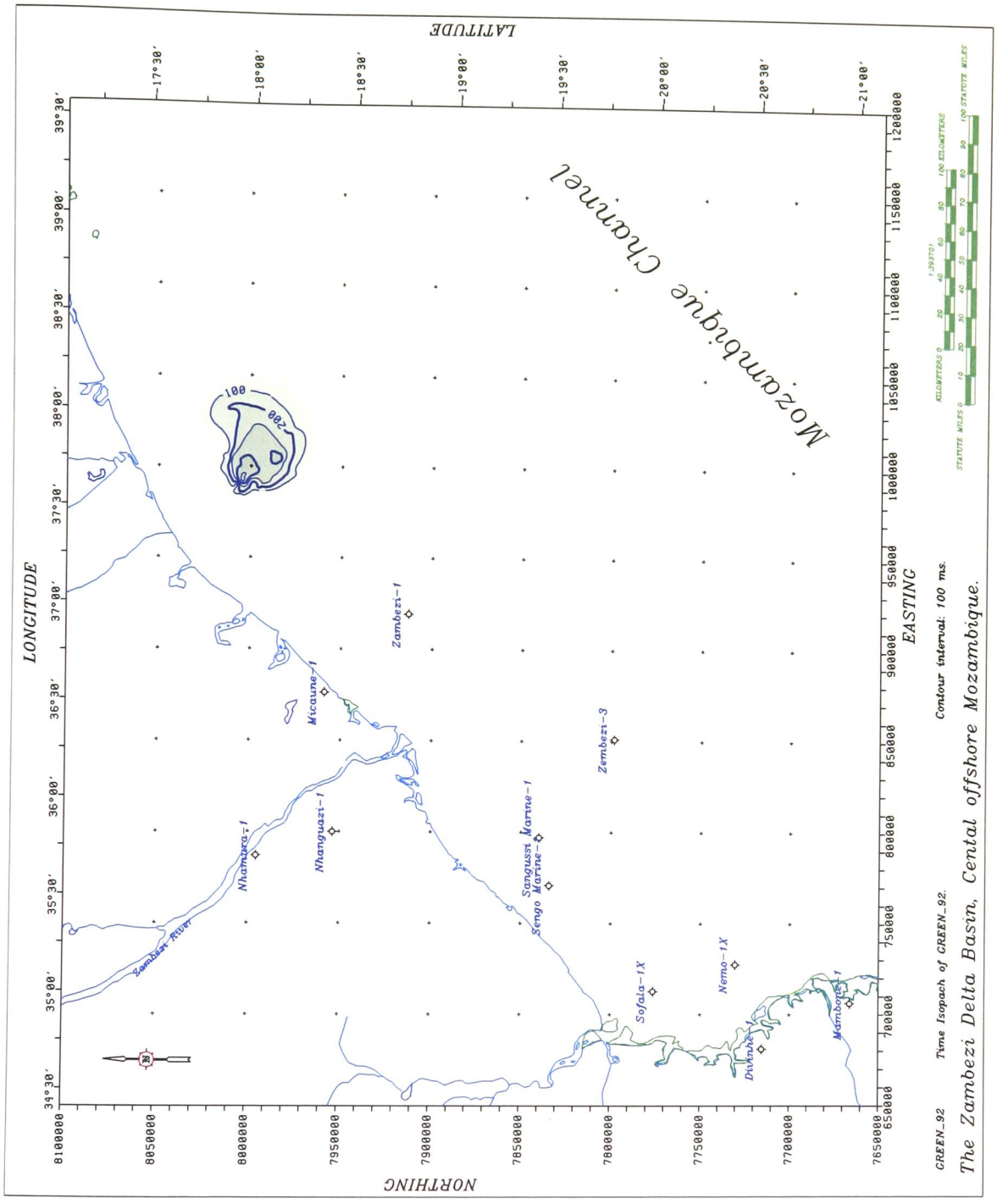

Figure D.56: Time isopach map of parasequence D10:3-3.

Figure D.57: Time isochron map of parasequence D11:2-1.

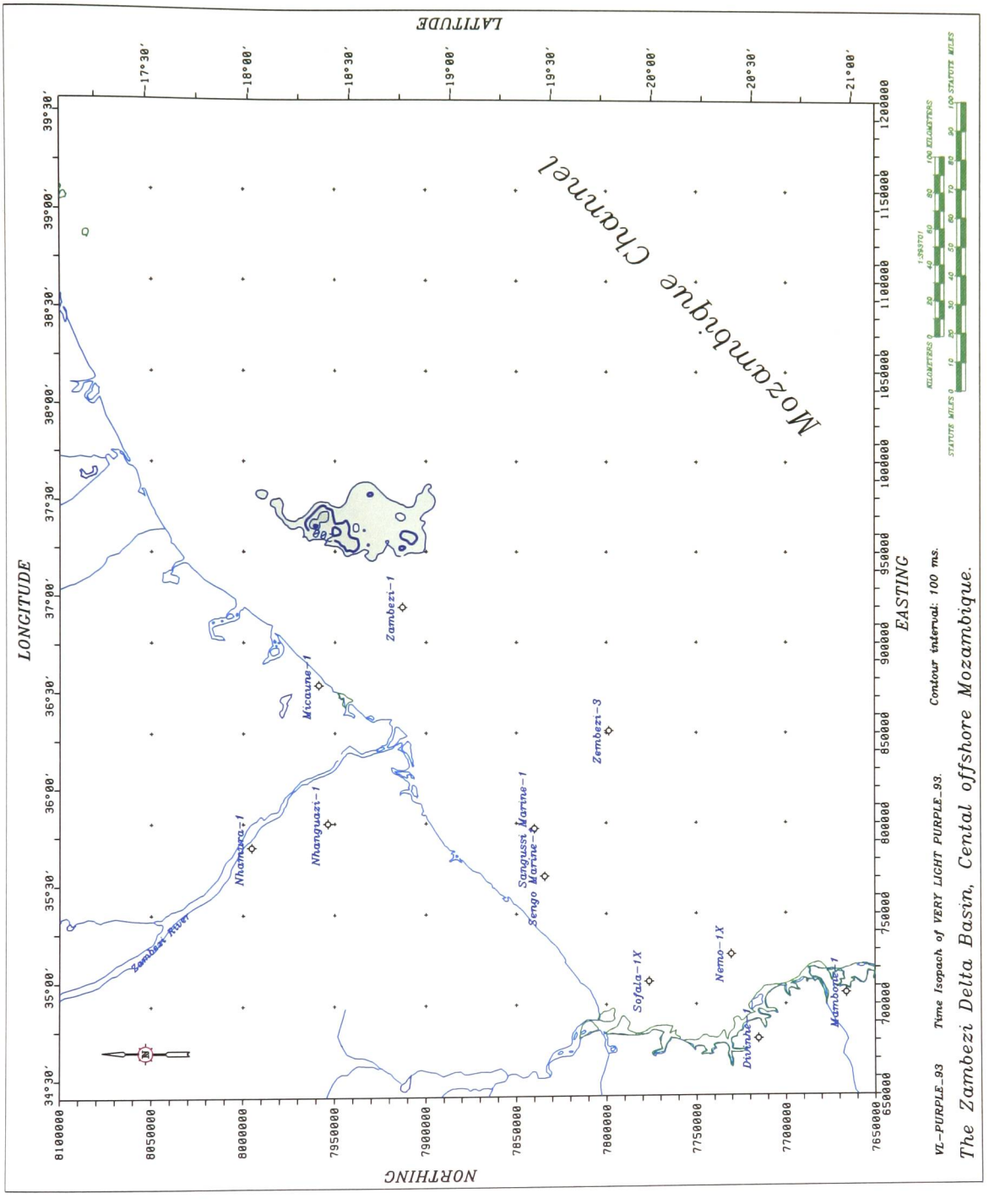

Figure D.58: Time isopach map of parasequence D11:2-1.

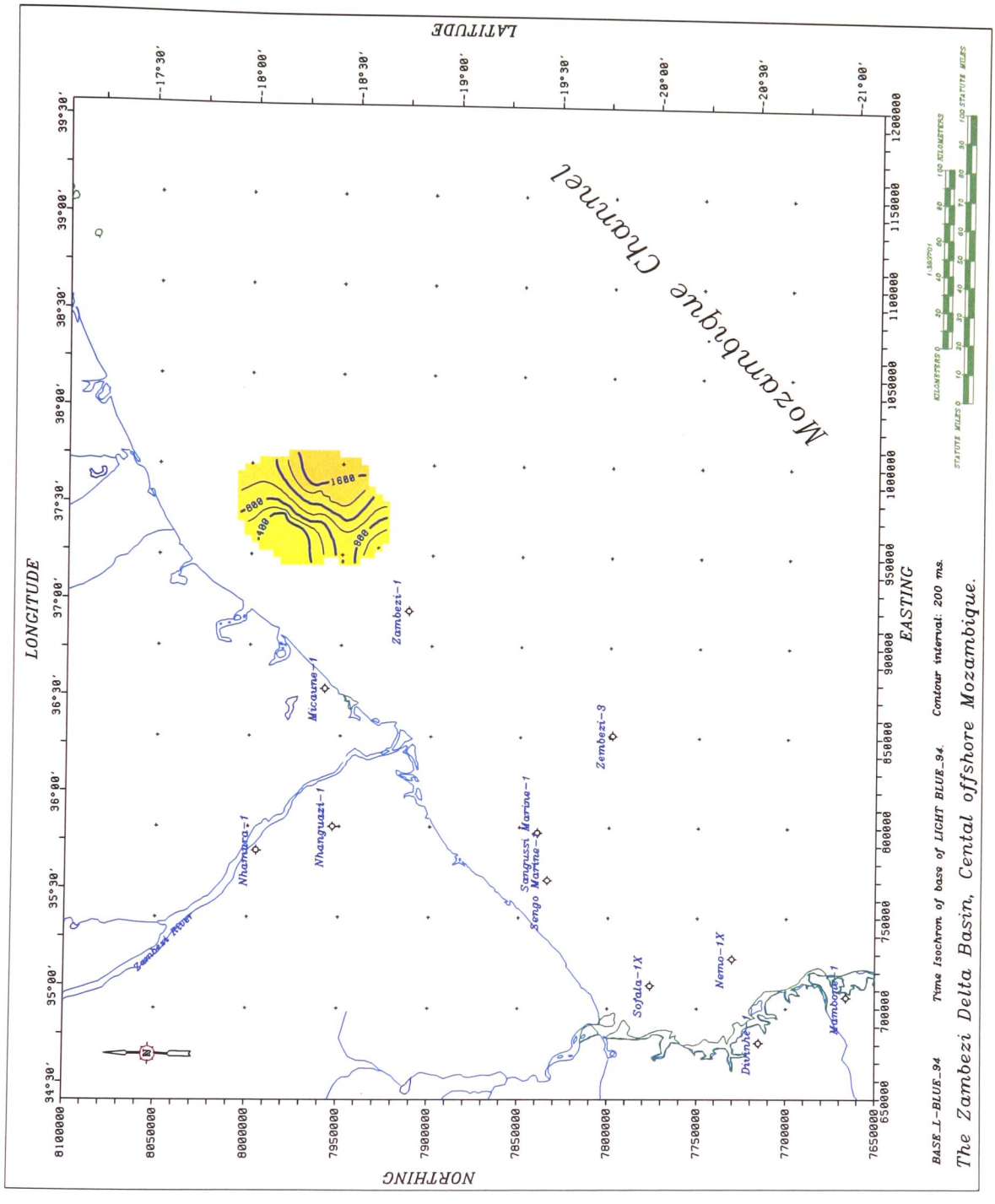

Figure D.59: Time isochron map of parasequence D11:2-2.

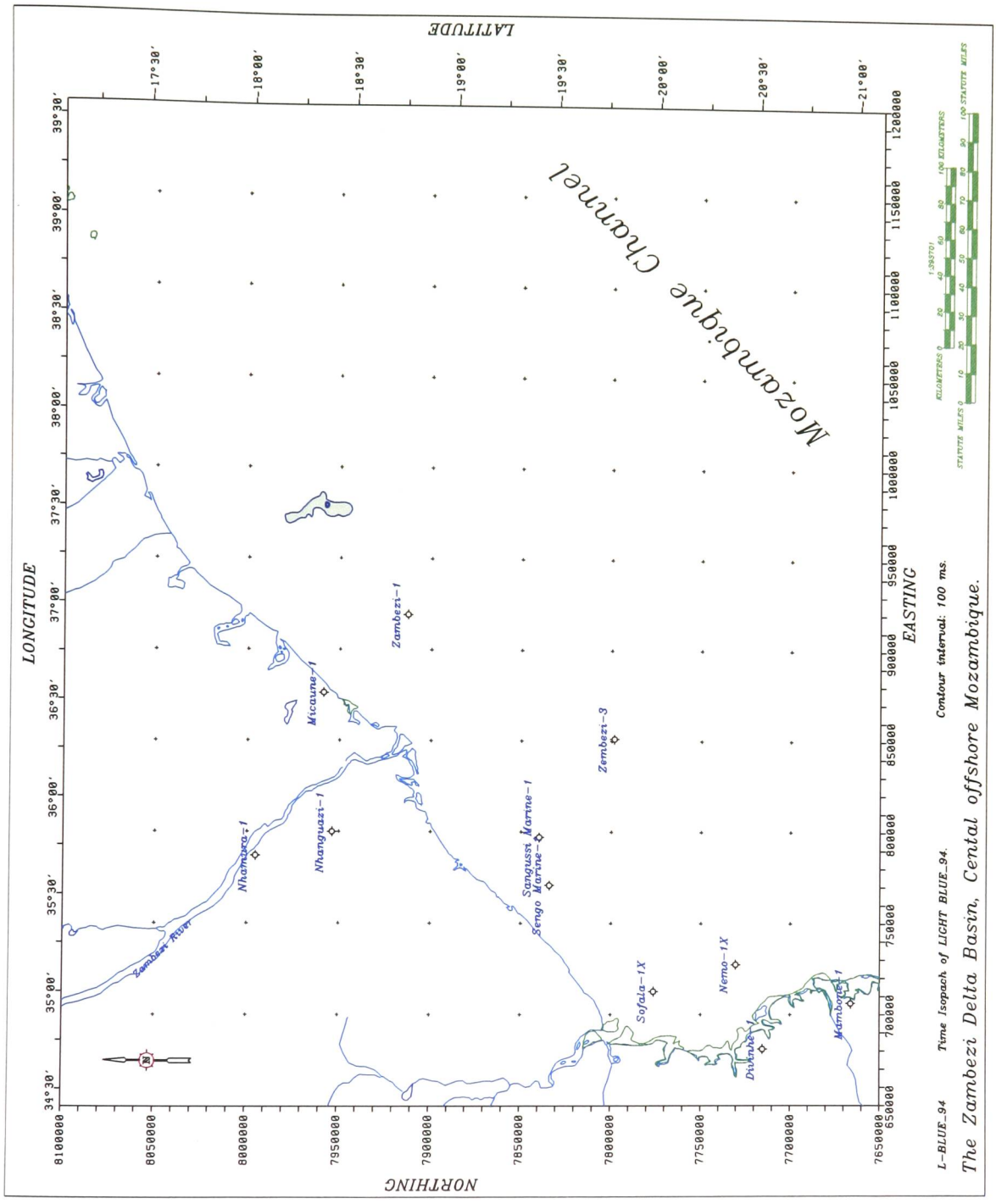

Figure D.60: Time isopach map of parasequence D11:2-2.

Appendix E

The Quaternary sedimentary succession of the Zambezi Delta Basin.

The time (TWT) isochron map of Top Pliocene, the time (TWT) isopach map of the Quaternary sediment succession and the time (TWT) isochron of the sea bed.

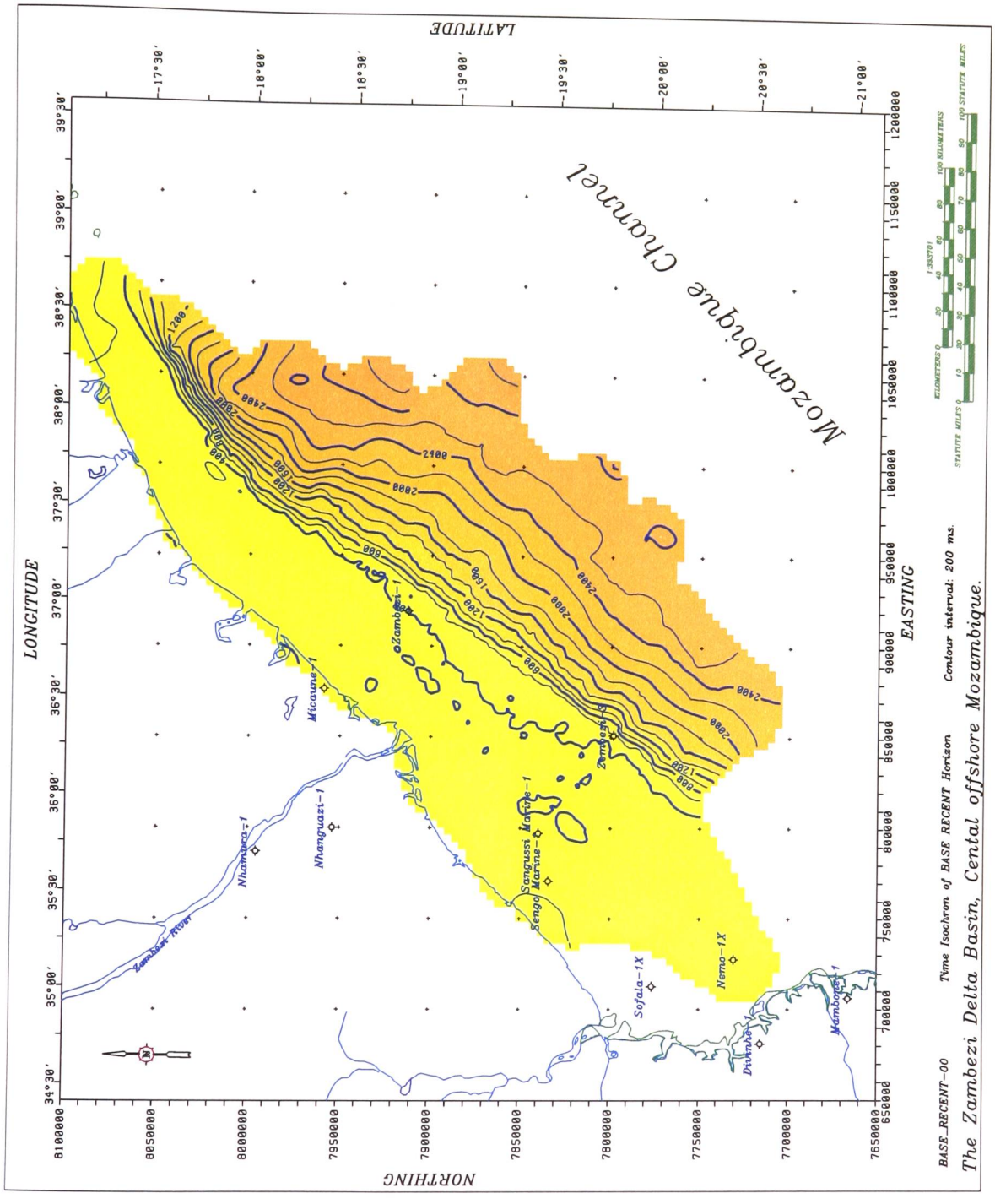

Figure E.1: The Top Pliocene (Top Tertiary) time (TWT) isochron map offshore the Zambezi Delta Basin.

Figure E.2: The Quaternary time (TWT) isopach map offshore the Zambezi Delta Basin.

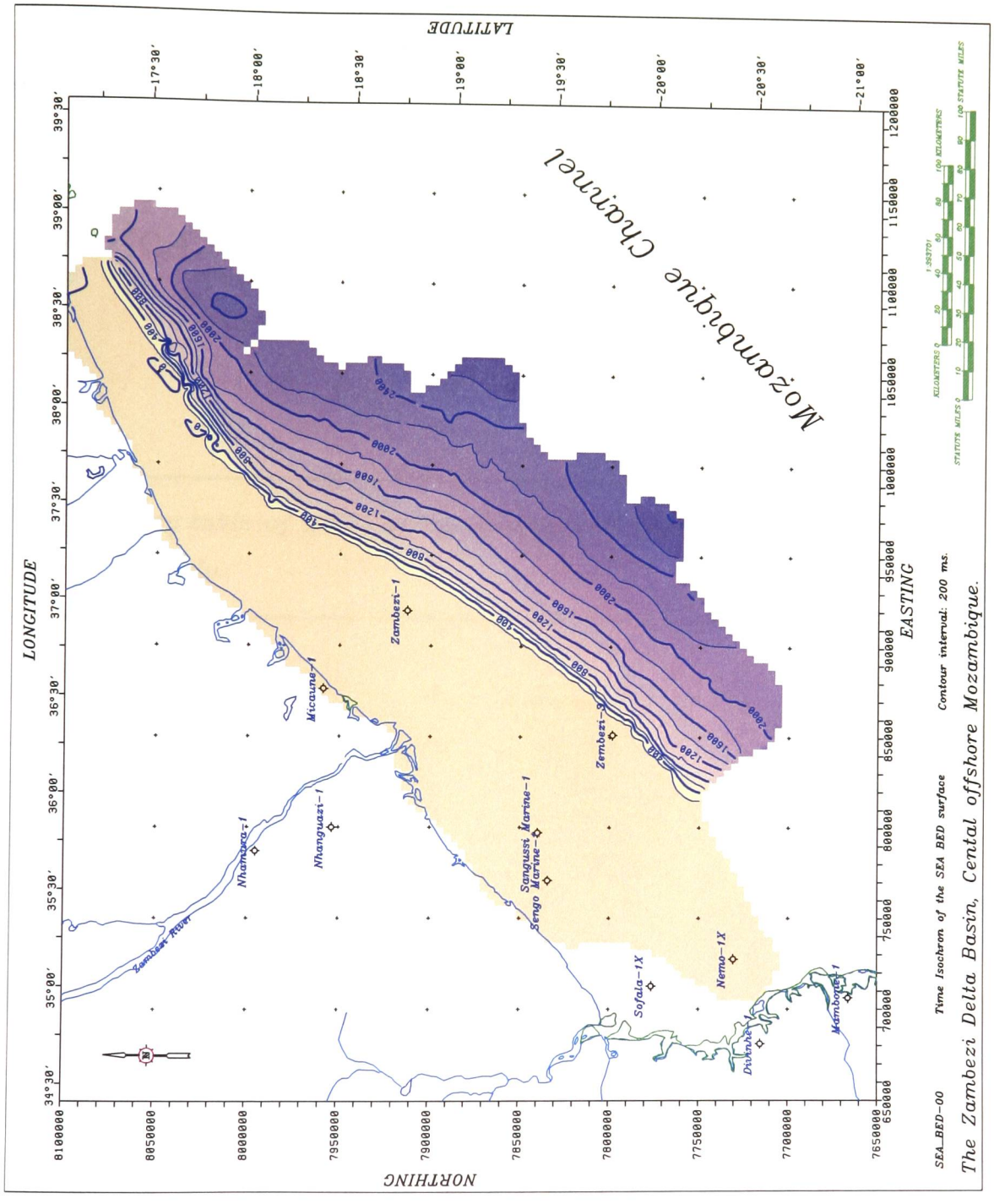

Figure E.3: The time (TWT) isochron of the sea bed (time isopach of the water depth).

Appendix F

Tables.

Summary table of well logging reference data for the nine wells used in this study.

WATER DISCHARGES OF THE ZAMBEZI RIVER AT LUPATA STATION
(Starting on the 7th of each month)

Catchment area: 1 617 000 km square

Monthly flows in cubic metres per second

YEAR		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	AVRG	MAX	MIN
		1	2	3	4	5	6	7	8	9	10	11	12			
1930/31	30		435	1474	3945	4900	2955	3679	4437	3347	2264	1453	1020	2719	4900	435
1931/32	31	678	944	2537	2911	5428	7907	6124	4494	3241	2321	1729	1380	3251	7907	944
1932/33	32	702	483	2083	7459	5437	4117	3369	2876	2111	1490	891	481	2566	7459	481
1933/34	33	301	349	1736	2453	4123	6746	6971	4979	3599	2411	1570	953	2991	6971	349
1934/35	34	531	837	5103	7779	5078	4201	4533	3495	3016	2102	1483	1055	3224	7779	837
1935/36	35	683	565	996	1636	4007	8093	5378	4018	3057	2053	1512	1052	2697	8093	565
1936/37	36	622	887	1630	3472	6832	6183	4916	3921	3507	2287	1494	1032	3013	6832	887
1937/38	37	660	497	1512	5002	4758	4995	4770	4024	2900	1988	1483	951	2740	5002	497
1938/39	38	580	482	2394	5641	10616	13959	4669	3082	2231	1611	1170	758	3884	13959	482
1939/40	39	559	642	2337	2939	9030	8930	7121	5170	3609	2409	1610	1097	3741	9030	642
1940/41	40	588	547	584	5251	5749	5174	4441	3436	2512	1585	1086	605	2581	5749	547
1941/42	41	422	470	1076	2149	3523	5178	4441	3883	2226	1275	850	567	2137	5178	470
1942/43	42	414	516	1259	5853	7495	7607	3687	3348	2737	1774	1026	553	2988	7607	516
1943/44	43	307	276	1215	2520	8235	8377	4111	3656	2771	1706	1131	667	2889	8377	276
1944/45	44	422	403	1217	4283	7456	6948	5591	3921	2873	1992	1513	1092	3107	7456	403
1945/46	45	669	502	976	3804	6939	5761	5953	2940	2571	1619	988	646	2725	6939	502
1946/47	46	389	524	1313	2910	4461	6471	6471	5333	3750	2631	1759	1267	3074	6471	524
1947/48	47	1012	749	2174	4197	4694	10724	9326	6429	4459	3086	2152	1547	4128	10724	749
1948/49	48	450	774	918	903	2193	1876	1760	1798	1353	935	563	435	1126	2193	435
1949/50	49	572	306	1321	4398	8040	8231	6930	4870	3387	2296	1559	998	3528	8231	306
1950/51	50	886	429	937	2837	3460	4358	5164	4253	3536	2566	1719	1223	2540	5164	429
1951/52	51	436	1407	2839	9247	15062	11041	7177	4813	3164	2171	1542	870	4944	15062	870
1952/53	52	970	515	1060	5310	7903	8378	7374	5638	4163	2867	1946	1450	3884	8378	515
1953/54	53	886	770	2399	3854	5650	4056	4546	4361	3253	2311	1599	1220	2835	5650	770
1954/55	54	1146	1023	3039	7045	10581	8106	5633	4780	3838	2942	2166	1630	4232	10581	1023
1955/56	55	1296	949	1709	3886	7369	9639	8614	7069	5885	3838	2629	1838	4452	9639	949
1956/57	56	1502	1149	3235	5914	7025	9759	7647	4914	3565	2898	2431	1932	4206	9759	1149
1957/58	57	640	1102	4417	6972	16863	13467	7682	4609	3032	2036	1326	810	5193	16863	810
1958/59	58	443	777	994	2802	6296	3962	1393	947	791	723	613	501	1650	6296	501
1959/60	59	349	447	1422	1171	2147	2364	1008	714	701	616	457	362	951	2364	362
1960/61	60	569	507	1035	2423	3283	3778	2033	1257	1171	1157	1024	899	1547	3778	507
1961/62	61	884	589	1425	4985	5810	5445	5500	2353	1711	1539	1337	1112	2651	5810	589
1962/63	62	2953	793	4070	5588	11238	11045	8101	4897	2435	1871	1398	1056	4374	11238	793
1963/64	63	552	5101	5134	7782	7602	2382	1395	1202	1139	1018	844	672	2856	7782	672
1964/65	64	695	571	1228	3782	5348	2648	1596	1484	1075	930	801	725	1682	5348	571
1965/66	65	631	845	3218	3921	4068	2443	1260	3138	1175	3629	2219	1156	2256	4068	845
1966/67	66	724	649	950	1806	2638	5429	3150	2086	1179	1093	976	812	1731	5429	649
1967/68	67	772	731	916	2121	5347	6588	5147	1308	1182	1057	963	812	2181	6588	731
1968/69	68	2642	780	3128	7650	9174	6546	6235	6073	4753	4620	4359	2916	4686	9174	780
1969/70	69	1023	2373	3565	4282	6642	5187	4792	3242	1760	1527	1331	1131	2986	6642	1131
1970/71	70	1071	1176	2257	5203	7729	6069	4483	1968	1761	1586	1286	1188	2892	7729	1176
1971/72	71	1013	1088	1356	2964	4183	4779	1966	1502	1414	1334	1230	1090	1909	4779	1088
1972/73	72	91	1030	1104	1714	1940	1728	1302	1037	1008	986	934	931	1143	1940	931
AVRG		779	837	1984	4250	6427	6363	4824	3576	2627	1980	1445	1035			
MAX		2953	5101	5134	9247	16863	13959	9326	7069	5885	4620	4359	2916			
MIN		91	276	584	903	1940	1728	1008	714	701	616	457	362			
AV3040		591	612	2180	4324	6021	6809	5153	4050	3062	2094	1440	978			
AV4050		525	507	1205	3627	5879	6635	5271	3961	2864	1890	1263	838			
AV5060		855	857	2205	4904	8236	7513	5624	4210	3193	2297	1643	1184			
AV6070		1145	1294	2467	4434	6115	5149	3921	2704	1758	1844	1525	1129			

Data source: HIDROTECNICA PORTUGUESA, Consultores para Estudos e Projectos, Lda., based on the SADCC 3.0.4 - Hydroelectric Hydrological Assistance Project - Phase 1. Compendium of selected hydrometeorological data relevant to hydroelectric sector in the Zambezi river basin. Shawinnigan-Lavalin (Canada) /Hidroelectrica Portuguesa (Portugal), February 1991.

Figure F.1: Table of the Zambezi River monthly average discharges recorded at the Lupata station in central Mozambique from 1930 to 1973.

Table F.1: Summary of well logging reference data for nine wells used in this work, data supplied by ENH and INTERA. *KB - Kelly Bushing, GL - ground level, SB - Depth to the sea bed from mean sea level, MSL - Mean sea level, SP - Spontaneous Potential (Self-Potential).*

Well logging reference data

Well name: **Divinhe-1**
Total Depth: 12593' (3840.0 m)

Gamma ray log and Sonic log		**Induction electrical log and SP log**	
Permanent datum	: GL (elevation 14.4')	Permanent datum	: GL (elevation 14.4')
Water depth	: -	Water depth	: -
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 33' above GL	KB elevation	: 33' above GL
Bit size record	: 505 - 12590'	Bit size record	: 505 - 12590'
Depth interval logged	: 505 - 12590'	Depth interval logged	: 505 - 12590'

Well name: **Micaune-1**
Total Depth: 13482' (4125.0 m)

Gamma ray log and Sonic log		**Induction electrical log and SP log**	
Permanent datum	: GL (elevation 7')	Permanent datum	: GL (elevation 7')
Water depth	: -	Water depth	: -
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 24' above GL	KB elevation	: 24' above GL
Bit size record	: 460 - 15117'	Bit size record	: 460 - 15117'
Depth interval logged	: 0 -15117'	Depth interval logged	: 0 -15117'

Well name: **Nemo-1**
Total Depth: 13457' (4101 m)

Gamma ray log and Sonic log		**Induction electrical log and SP log**	
Permanent datum	: MSL	Permanent datum	: MSL
Water depth	: 78' (24 m)	Water depth	: 78' (24m)
Depth measured from	: RT (69'+MSL)	Depth measured from	: RT (69'+MSL)
KB elevation	: 70' (21m-MSL)	KB elevation	: 70' (21m-MSL)

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Bit size record	: 547' - 13501'	Bit size record	: 547' - 13501'
Depth interval logged	: 547' - 3466, 3467' - 13482	Depth interval logged	: 547' - 12238', 12250' - : 13490'

Well name: **Nhamura-1**
Total Depth: 17914' (5490.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: GL (elevation 46')	Permanent datum	: GL (elevation 46')
Water depth	: -	Water depth	: -
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 15.4' above GL	KB elevation	: 15.4' above GL
Bit size record	: 18 - 18000'	Bit size record	: 18 - 18000'
Depth interval logged	: 0 - 15165'	Depth interval logged	: 0 - 15165'

Well name: **Nhanguazi-1**
Total Depth: 10986' (3350.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: GL (elevation 32')	Permanent datum	: GL (elevation 32')
Water depth	: -	Water depth	: -
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 15.8' above GL	KB elevation	: 15.8' above GL
Bit size record	: 3264 - 10984'	Bit size record	: 3264 - 10984'
Depth interval logged	: 0 - 11000'	Depth interval logged	: 0 - 11000'

Well name: **Sangussi Marine-1**
Total Depth: 12014' (3664.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: MSL	Permanent datum	: MSL
Water depth	: 95' (29m)	Water depth	: 95' (29m)
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 178' (54m-SB)	KB elevation	: 178' (54m-SB)
Bit size record	: 533' - 12014'	Bit size record	: 533' - 12014'

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Depth interval logged	: 533' - 12001'	Depth interval logged	: 533' - 12014'

Well name: **Sengo Marine-1**
Total Depth: 14052' (4286.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: MSL	Permanent datum	: MSL
Water depth	: 79' (24m)	Water depth	: 79' (24m)
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 162' (49m-SB)	KB elevation	: 162' (49m-SB)
Bit size record	: 534' - 14052'	Bit size record	: 534' - 14052'
Depth interval logged	: 534' - 892', 8937' - 14004'	Depth interval logged	: 534' - 4111', 4113' - 8931', : 8937' - 14049'

Well name: **Sofala-1**
Total Depth: 10588' (3232.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: MSL	Permanent datum	: MSL
Water depth	: 37' (11m)	Water depth	: 37' (11m)
Depth measured from	: RT (85'+MSL)	Depth measured from	: RT (85'+MSL)
KB elevation	: 86' (26m-MSL)	KB elevation	: 86' (26m-MSL)
Bit size record	: 495' - 10596'	Bit size record	: 495' - 10596'
Depth interval logged	: 493' - 3460', 3484' - 10578'	Depth interval logged	: 495' - 10590'

Well name: **Zambezi-1**
Total Depth: 15222' (4656.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: MSL	Permanent datum	: MSL
Water depth	: 140' (43m)	Water depth	: 140' (43m)
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 83' (25m-MSL)	KB elevation	: 83' (25m-MSL)
Bit size record	: 3947' - 15229'	Bit size record	: 807' - 15229'
Depth interval logged	: 75' - 15222'	Depth interval logged	: 772' - 3290', 3947' - 15138'

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Well name: **Zambezi-3**
Total Depth: 14798' (4501.0 m)

Gamma ray log and Sonic log		Induction electrical log and SP log	
Permanent datum	: KB	Permanent datum	: KB
Water depth	: 143' (44m)	Water depth	: 143' (44m)
Depth measured from	: KB	Depth measured from	: KB
KB elevation	: 228' (69m-SB)	KB elevation	: 228' (69m-SB)
Bit size record	: 809' - 14785'	Bit size record	: 809' - 14785'
Depth interval logged	: 810' - 4006', 4007' - 14785'	Depth interval logged	: 810' - 14798'

Appendix G

Well log data.

Appendices displaying the summary of paleontology and stratigraphy compiled from well completion reports for Micaune-1, Nhanguazi-1, Zambezi-1, Zambezi-3, Sangussi Marine-1, Sengo Marine-1,Sofala-1, Nemo-1 and Divinhe-1.

See Figs. G.1, G.2, G.3, G.4 and G.5 in the enclosures pocket, this Volume.

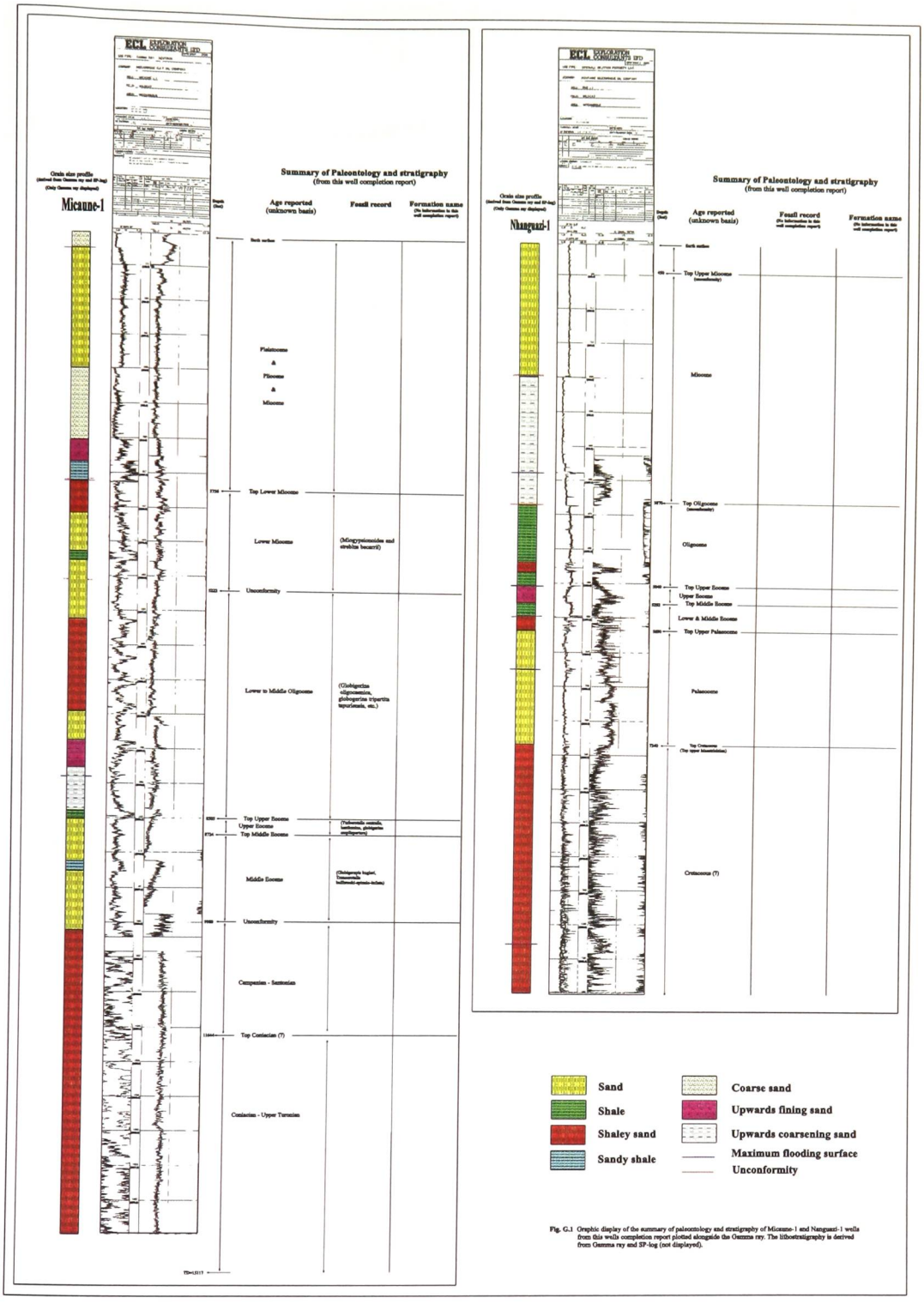

Figure G.1: Graphic display of the summary of paleontology and stratigraphy of Micaune-1 and Nhanguazi-1 wells, from this wells completion reports plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log (not displayed).

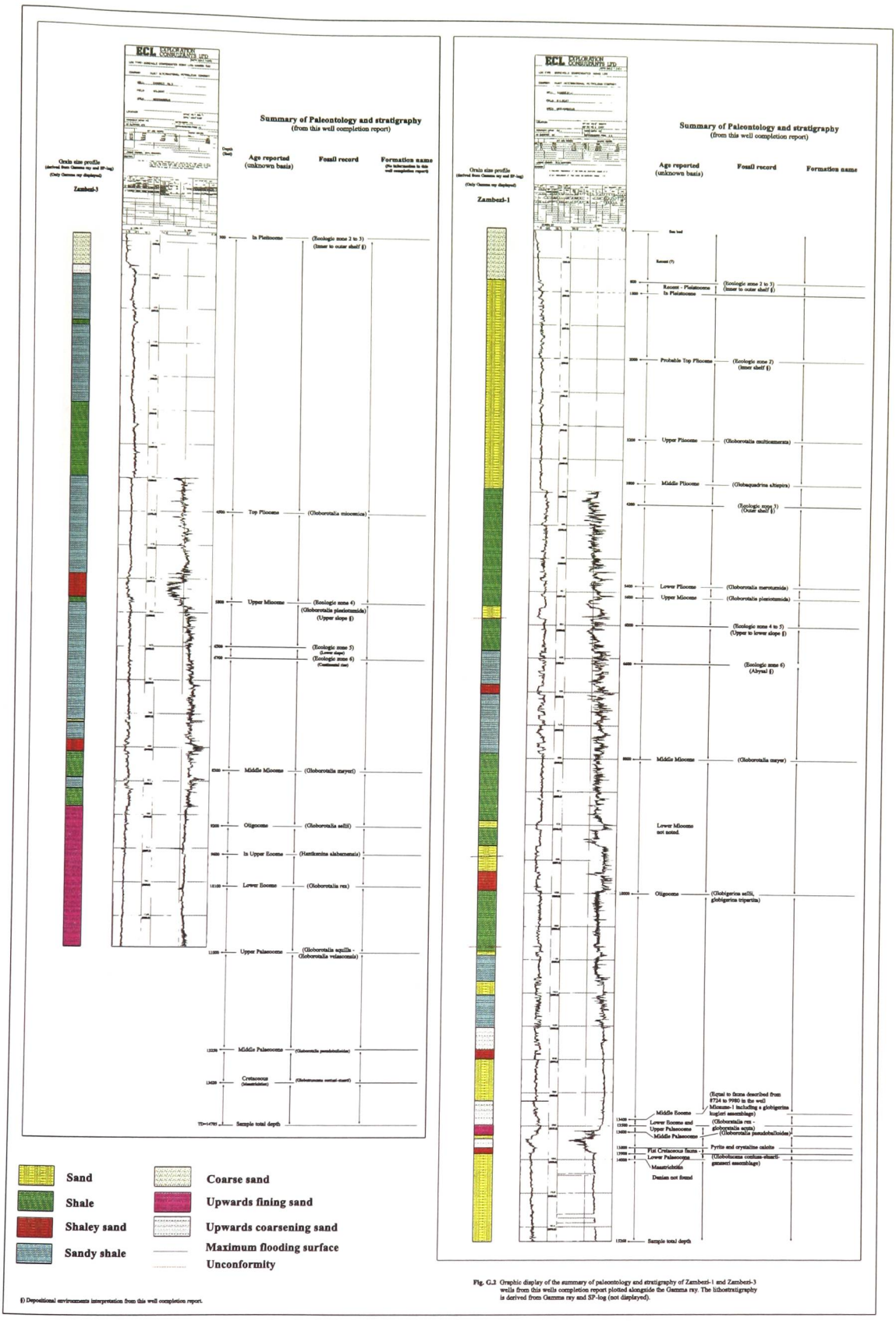

Figure G.2: Graphic display of the summary of paleontology and stratigraphy of Zambezi-1 and Zambezi-3 wells, from this wells completion reports plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log (not

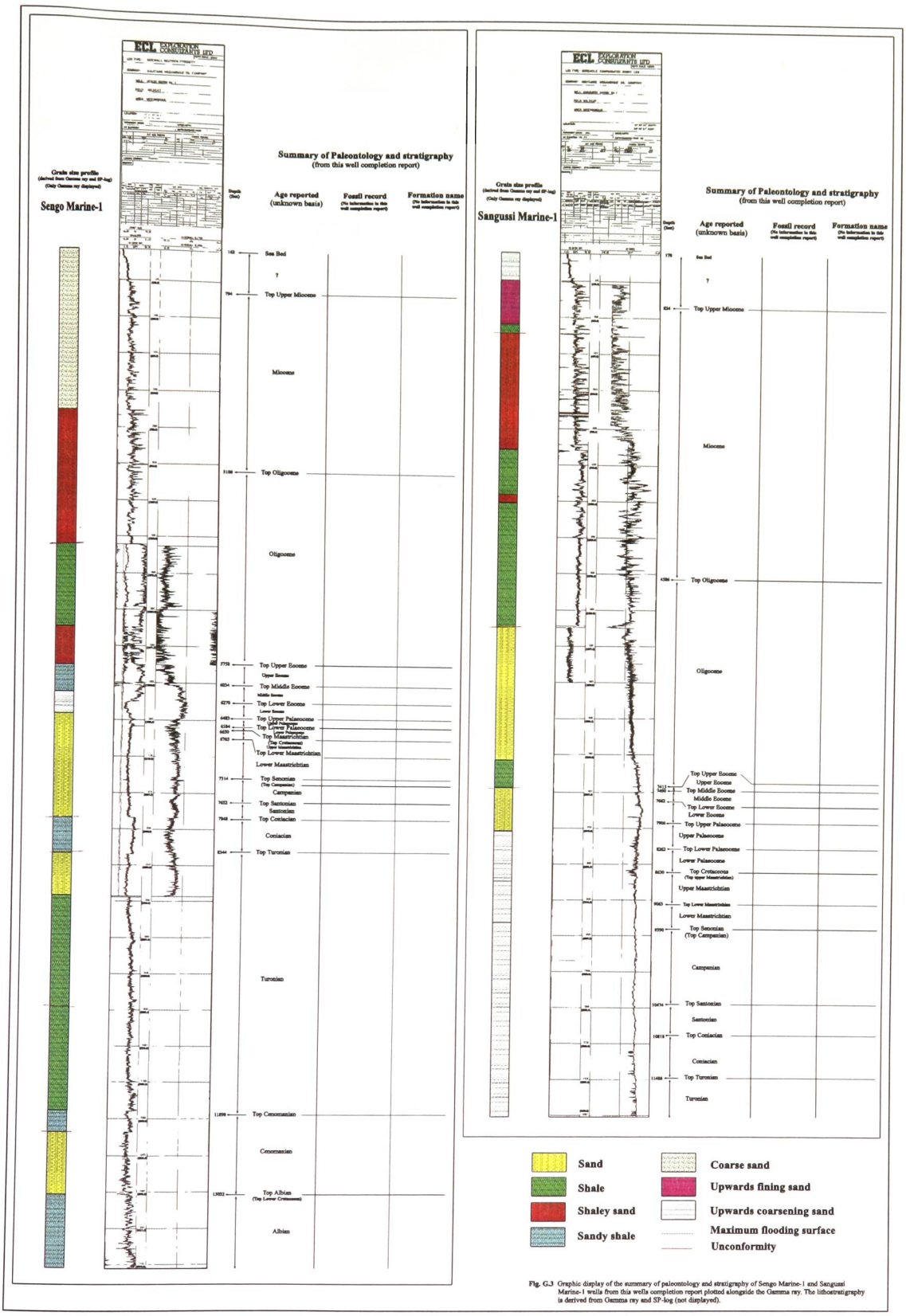

Fig. G.3 Graphic display of the summary of paleontology and stratigraphy of Sengo Marine-1 and Sangussi Marine-1 wells from this wells completion report plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log (not displayed).

Figure G.3: Graphic display of the summary of paleontology and stratigraphy of Sangussi Marine-1 and Sengo Marine-1 wells, from this wells completion reports plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and

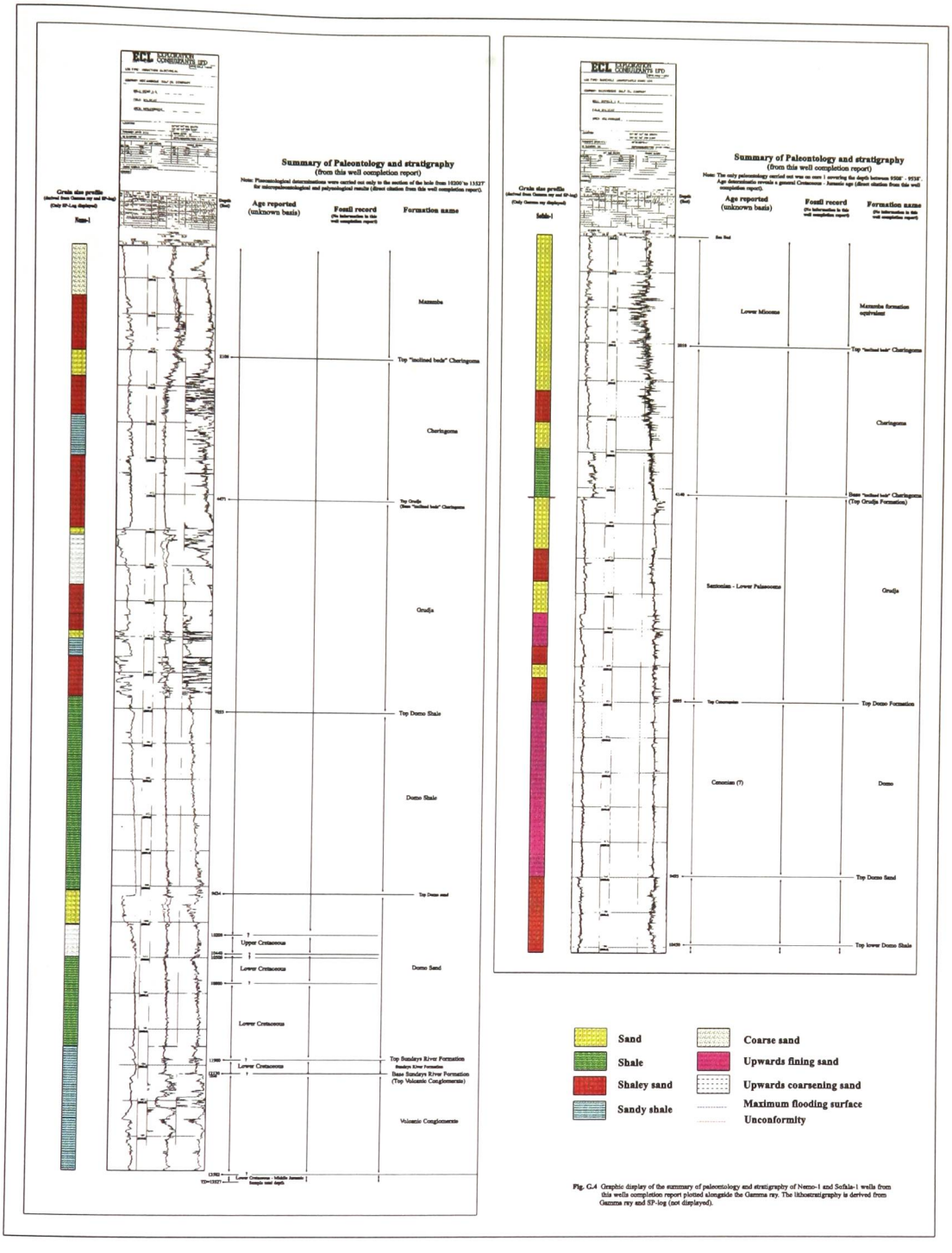

Figure G.4: Graphic display of the summary of paleontology and stratigraphy of Nemo-1 and Sofala-1 wells, from this wells completion reports plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log. Gamma ray is not displayed for Nemo-1 well and SP-log is not displayed for Sofala-1 well in this diagram.

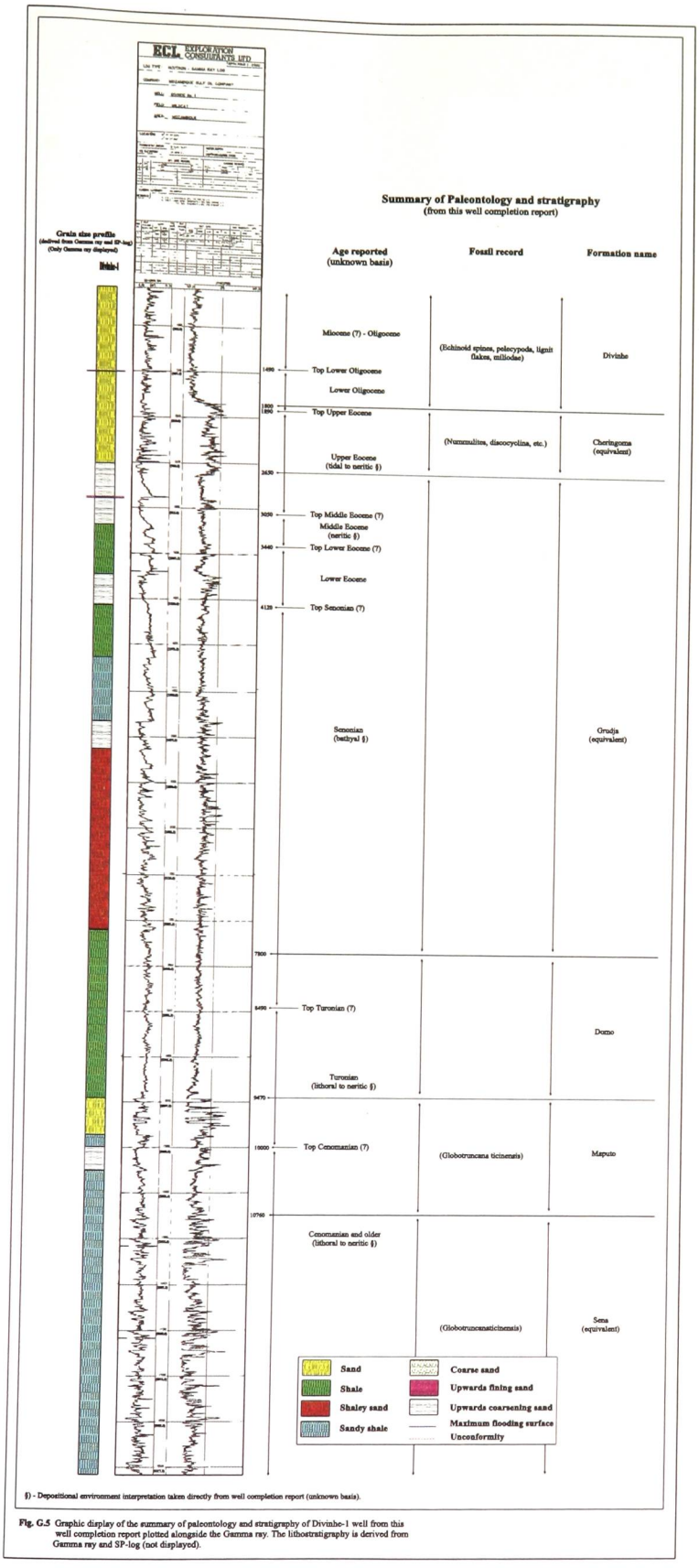

Fig. G.5 Graphic display of the summary of paleontology and stratigraphy of Divinhe-1 well from this well completion report plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log (not displayed).

Figure G.5: Graphic display of the summary of paleontology and stratigraphy of Divinhe-1 well, from this well completion report plotted alongside the Gamma ray. The lithostratigraphy is derived from Gamma ray and SP-log (not displayed).