

PLOVIDBENA KARTA

Deseto izdanje / Tenth Edition

NAVIGATIONAL CHART



DUNAV

km 1433+100 - km 845+500

DANUBE

Ministarstvo građevinarstva, saobraćaja i infrastrukture /
Ministry of Construction, Transport and Infrastructure

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Sadržaj	Table of Contents	Strana / Page
Uvod	<i>Introduction</i>	I
Novo u desetom izdanju karte	<i>New in the Tenth Edition of the Chart</i>	I
Plovidbeni uslovi na Dunavu u Srbiji	<i>Navigation conditions on Danube in Serbia</i>	II
Klase plovnog puta	<i>Waterway classes</i>	III
Karakteristični sastavi plovila	<i>Characteristic vessel convoys</i>	III
Vodomerne stanice	<i>Gauging stations</i>	IV
Mostovi	<i>Bridges</i>	V
Brodske prevodnice	<i>Navigation locks</i>	VI
Kritični sektori	<i>Critical sectors</i>	VII
Znaci za obeležavanje plovnog puta	<i>Waterway marking signs</i>	VIII
Kontakti	<i>Contacts</i>	XI
Sadržaj plovidbene karte Dunava	<i>Content of the Danube Navigational Chart</i>	XV
Beleške	<i>Notes</i>	XVII
Pregledna karta Dunava	<i>Danube overview map</i>	XX
Legenda	<i>Legend</i>	XXV
PLOVIDBENA KARTA	<i>NAVIGATIONAL CHART</i>	
Reka Dunav	<i>The Danube River</i>	1
Reka Sava – Sektor Ušće	<i>The Sava River – Sector Confluence</i>	172



Uvod

Deseto izdanje Plovidbene karte Dunava sadrži ažurne podatke o poziciji plovnog puta, sistemu obeležavanja plovnog puta, izobatama na 1,5m, 2,0m, 2,3m, 2,5m, 3,0m i 3,5 m u odnosu na niski plovidbeni nivo (sa informacijama o vremenu hidrografskih merenja), stacionažama po osovini plovnog puta na 200m, poprečnim profilima, sidrištima, zimovnicima, skelskim prelazima, infrastrukturnim objektima na plovnom putu (prevodnicama, mostovima, hidrotehničkim građevinama, dalekovodima), većim naseljima duž Dunava, poziciji potopljenih plovila u, ili u blizini, plovnog puta ili propisanih sidrišta, vodomernim stanicama i karakterističnim plovidbenim nivoima, kao i kontaktima institucija nadležnih za unutrašnju plovidbu u Republici Srbiji.

Na karti je prikazan, pored vodnog puta reke Dunav i deo vodnog puta **reke Save** (od km 16+000 do km 0+000), kao i deo vodnog puta **reke Tise** (od km 1+600 do km 0+000).

Introduction

The Tenth edition of the Danube River Navigational Chart contains up-to-date information on the position of the fairway, waterway marking system, 1.5m, 2.0m, 2.3m, 2.5m, 3.0m, and 3.5m contour lines referred to the low navigational level (with information on hydrographic survey dates), distance marks at 200m along the fairway axis, cross-sections, berths, winter harbours, ferry routes, structures on the waterway (navigation locks, bridges, river training structures, power lines), main settlements along the Danube River, positions of sunken vessels in or near fairway or proclaimed berths, gauging stations and characteristic water levels at the time of publication, as well as contact information of authorities in the Republic of Serbia relevant for inland navigation.

Besides the Danube River waterway, part of **the Sava River** (from km 16+000 to km 0+000) waterway, as well as a part of **the Tisza River waterway** (from km 1+600 to km 0+000) are presented in the Navigational Chart.

Novo u desetom izdanju karte

U ovom izdanju karte predstavljena je ažurirana batimetrija rečnog korita (na bazi rezultata hidrografskih merenja obavljenih 2022 godini, na deonici rečnog toka reke Dunav od km 1295+400 do km 1153+000, sa ažuriranim sistemom obeležavanja celog toka reke Dunav.

Ovo izdanje papirne karte pripremljeno je uz pomoć alata razvijenih u okviru **DanubeSTREAM** projekta, finansiranog u okviru Dunavskog transnacionalnog programa Evropske Unije.

New in tenth edition of the Chart

In this edition of the Paper Chart the updated river bed bathymetry was presented (based on the hydrographic survey performed in 2021 of the river bottom on stretch from km 1295+400 to km 1153+000), along with the updated marking system on the whole stretch of the Danube River in Serbia.

This edition of the Paper Chart was prepared using the new functionalities developed within the **Danube STREAM Project**, financed under the **Danube Transnational Programme of the European Union**.

Plovidbeni uslovi na Dunavu u Srbiji

Reka Dunav protiče kroz Republiku Srbiju u dužini od 587,6km, što predstavlja 20,6% ukupne dužine ove reke. Dunav ulazi u Srbiju iz Mađarske na km 1433+100 i napušta Srbiju ka Bugarskoj na km 845+500, u blizini ušća reke Timok. Postoje dve zajedničke deonice reke, sa Hrvatskom u dužini od 137 km (od km 1433+100 do km 1295+500) i sa Rumunijom u dužini od 229,5 km (od ušća reke Nere na km 1075+000 do ušća reke Timok na km 845+500).

Iz ugla plovidbenih uslova, reka Dunav u Srbiji se može podeliti na **tri različite deonice**:

1. **Deonica sa slobodnim tečenjem – od granice sa Mađarskom (km 1433+100) do Beograda (km 1170+000).** Ovu deonicu karakteriše peskovito i morfološki dinamično rečno korito. Sva 24 kritična sektora za plovidbu na Dunavu u Srbiji se nalaze na ovoj deonici reke. Na ovoj deonici su česte promene pozicije plovnog puta, u skladu sa hidrološkim uslovima i raspoloživim dubinama vode.
2. **Deonica pod usporom – od Beograda (km 1170+000) do brane Đerdap II (km 863+000).** Ovu deonicu karakterišu povoljni plovidbeni uslovi tokom cele godine, u pogledu raspoloživih dubina i širina plovnog puta.
3. **Deonica sa slobodnim tečenjem – od brane Đerdap II (km 863+000) do ušća reke Timok (km 845+500).** Ovu deonicu karakterišu relativno povoljni plovidbeni uslovi.

Navigation conditions on Danube in Serbia

***The Danube River in Serbia** is 587.6 km long and represents 20.6% of the total River length. It enters Serbia from Hungary at km 1433+100 and leaves to Bulgaria at km 845+500, near the Timok River confluence. There are two joint stretches of the River - with Croatia with length of 137 km (between km 1433+100 and km 1295+500), and with Romania over a length of 229.5 km (from the mouth of the Nera River at km 1075+000 to the mouth of the Timok River at km 845+500).*

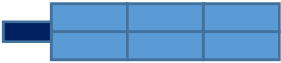
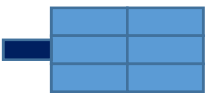
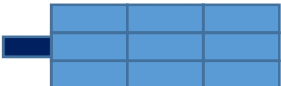
*Based on navigation conditions, Serbian stretch of the Danube River can be divided into **three different stretches**:*

1. ***Free flowing stretch – from the Hungarian border (km 1,433+100) to Belgrade (km 1170+000).** This stretch is characterized by a sandy and morphologically very dynamic river bed. All 24 critical sectors for navigation in Serbia are located at this stretch of the River. Frequent realignments of the fairway are common on this stretch of the River, depending on hydrological conditions and available water depths.*
2. ***Backwater stretch – from Belgrade (km 1170+000) to the Iron Gate II dam (km 863+000).** This stretch is characterized by good navigation conditions throughout the whole year, in terms of available depth and width of the fairway.*
3. ***Free flowing stretch – from the Iron Gate II dam (km 863+000) to the Timok River confluence (km 845+500).** This stretch is characterized by fairly good navigational conditions.*

Tabela 1 / Table 1: Klase plovnog puta reke Dunav u Srbiji / Waterway classes of the Danube River in Serbia

Deonica reke / River stretch	Stacionaža / Chainage (km)	Klasa plovnog puta / Waterway class	Preporučena dubina / Recommended depth (m)	Preporučena širina / Recommended width (m)	Napomena / Note
Bezdan - Beograd	1433+100 – 1170+000	Vlc	2.5	120 - 150	
Beograd - Ušće Timoka	1170+000 – 845+500	VII	3.5	150 - 180	

Tabela 2 / Table 2: Karakteristični sastavi plovila / Characteristic vessel convoys

Klasa plovnog puta / Waterway class	Potiskivani sastav / Pushed convoy	Dužina sastava / Convoy length (m)	Širina sastava / Convoy beam (m)	Gaz / Draught (m)	Vertikalno rastojanje / Vertical clearance (m)	Napomena / Note
Vlc		270-280	22,8	2.5 - 4.5	9.10	
		195-200	33.0-34.2			
VII		275-285	33.0-34.2	2.5 - 4.5	9.10	

Izvor: AGN – Evropski sporazum o glavnim plovnim putevima od međunarodnog značaja, Rev.4, UNECE
Source: AGN – European Agreement on Main Inland Waterways of International Importance, Rev.4, UNECE

Klasifikacija unutrašnjih plovnih puteva od međunarodnog značaja i definicije referentnih sastava plovila sadržani su u **Evropskom sporazumu o glavnim unutrašnjim plovnim putevima od međunarodnog značaja (AGN)**. Za više informacija, posetite: www.unece.org

The classification of inland waterways of international importance and a definition of referent convoys are subject of the **European Agreement on Main Inland Waterways of International Importance (AGN)**. For more info, please visit: www.unece.org

Preporučene dimenzije plovnog puta definisane su **Preporukama Dunavske komisije**. Za više informacija, posetite: www.danubecommission.org

Recommended fairway parameters are defined in the **Danube Commission Recommendations**. For more info, please visit: www.danubecommission.org

Tabela 3 / Table 3: Vodomerne stanice na reci Dunav / Gauging stations on the Danube River

Vodomerna stanica / <i>Gauging station</i>	Stacionaža / <i>Chainage</i> (km)	“0” vodomera / <i>Gauge Zero</i> (mnm / masl)	Niski plovidbeni nivo / <i>Low Navigation Level</i> (NPV / LNL) (cm)	Visoki plovidbeni nivo / <i>High Navigation Level</i> (VPN / HNL) (cm)	U funkciji od / <i>Established in</i>	Napomena / <i>Note</i>
Bezdan	1425+59	80.64	-10	602	1856	
Apatin	1401+90	78.84	47	674	1876	
Bogojevo	1367+25	77.46	11	596	1871	
Bačka Palanka	1298+56	73.97	47	578	1888	
Novi Sad	1254+98	71.73	57	573	1819	
Slankamen	1216+02	69.68	117	623	1888	
Zemun	1173+31	67.87	213	632	1870	
Pančevo	1154+54	67.33	252	622	1870	
Smederevo	1116+23	65.36	439	680	1920	

NPN (Niski plovidbeni nivo) - nivo vode, na celom plovnom toku reke, definisan trajanjem proticaja od 94%, za period od 30 godina (1981-2010), izuzimajući periode pojave leda

VPN (Visoki plovidbeni nivo) - nivo vode, na celom plovnom toku reke, definisan trajanjem proticaja od 1%, za period od 30 godina (1981-2010), izuzimajući periode pojave leda

LNL (*Low Navigation Level*) – water level, at the whole navigable stretch of the river, defined for discharge duration of 94%, for the 30 years period (1981-2010), excluding ice periods

HNL (*High Navigation Level*) – water level, at the whole navigable stretch of the river, defined for discharge duration of 1%, for the 30 years period (1981-2010), excluding ice periods

Tabela 4 / Table 4: Mostovi na reci Dunav / Bridges on the Danube River

Most /Bridge	Stacionaža / Chainage (km)	Bpl (m)	Hvpn (m)	VPN (mnm)	DIK (mnm)
Drumski most Bezdan	1424+425	120	9.58	86.36	95.94
Drumski most Bogojevo	1366+625	125	9.67	83.35	93.02
Železnički most Bogojevo	1366+443	80	8.63	83.35	91.98
Drumski most Bačka Palanka	1297+050	120	10.11	79.67	89.78
Drumski most " Sloboda " - Novi Sad	1257+570	190	13.95	77.84	91.79
Drumski most " Duga " - Novi Sad	1255+070	125	9.33	77.72	87.05
Drumsko- železnički most " Žeželjev most " - Novi Sad	1254+200	150	10.01	77.45	87.46
Drumski most Beška	1232+165	180	37.74	76.81	114.55
Pupinov most - Beograd	1176+100	150	10.80	74,31	85.07
Drumsko - železnički most Pančevo	1166+627	145	9.24	74.01	83.25
Most " Gasovod – Smederevo "	1113+000	120	12.19	72.01	84.20
Drumski most Smederevo	1112+200	150	8.44	71.93	80.37

Bpl (m) - horizontalno rastojanje između krajnjih tačaka koje ograničavaju plovni put pri kretanju kroz plovidbeni otvor mosta, uz istovremeno očuvanje minimalne zahtevane dubine plovnog puta, a takođe i minimalne zahtevane visine plovidbenog otvora mosta

Hvpn (m) - vertikalno rastojanje između visokog plovidbenog nivoa ili maksimalnog usporenog nivoa i donje ivice mostovske konstrukcije u zoni plovidbenog otvora mosta

VPN - visoki plovidbeni nivo u profilu mosta

DIK - najniža kota donje ivice mostovske konstrukcije u plovidbenom otvoru

Bpl (m) - horizontal distance between end points bordering the fairway while navigating through the navigational opening of the bridge, preserving the minimum required depth of the fairway, as well as the minimum required height of the navigational opening of the bridge

Hvpn (m) - vertical clearance between the high navigational level or the max regulation level and the lowest part of the bridge construction in the navigation opening

VPN - High Navigational Level at the bridge profile

DIK – the lowest level of the bridge in the navigational opening

Tabela 5 / Table 5: Brodske prevodnice na reci Dunav / Navigational Locks on the Danube River

Brodska prevodnica / <i>Navigational lock</i>	Stacionaža / <i>Chainage</i> (rkm)	Broj komora / <i>Number of</i> <i>chambers</i>	Godina izgradnje / <i>Erected in</i>	Napomena / <i>Note</i>
Đerdap I / <i>Iron Gate I</i>	943+000	4*	1972	
Đerdap II / <i>Iron Gate II</i>	863+000	2**	1984	

* 1 dvostepena prevodnica na srpskoj strani reke i 1 dvostepena na rumunskoj strani reke /
1 *two-step lock on the Serbian side and 1 two-step on the Romanian side of the River*

** 1 na srpskoj strani reke i 1 na rumunskoj strani reke /
1 *on the Serbian side and 1 on the Romanian side of the River*

Tabela 6 / Table 6: Kritični sektori na Dunavu / Critical sectors on the Danube River

No.	Kritični sektor /Critical sector	Stacionaža / Chainage (km)	Napomena / Note
1	Bezdan	1429.0 - 1425.0	Oprezna plovdba / Cautious navigation
2	Siga-Kazuk	1424.2 - 1414.4	Oprezna plovdba / Cautious navigation
3	Apatin	1408.2 - 1400.0	Oprezna plovdba / Cautious navigation
4	Čivutski rukavac	1397.2 - 1389.0	Oprezna plovdba / Cautious navigation
5	Ušće Drave	1388.8 - 1382.0	Oprezna plovdba / Cautious navigation
6	Aljmaš	1381.4 - 1378.2	Oprezna plovdba / Cautious navigation
7	Staklar	1376.8 - 1373.4	Oprezna plovdba / Cautious navigation
8	Erdut	1371.4 - 1366.4	Oprezna plovdba / Cautious navigation
9	Bogojevo	1366.2 - 1361.4	Oprezna plovdba / Cautious navigation
10	Dalj	1357.0 - 1351.0	Oprezna plovdba / Cautious navigation
11	Borovo 1	1348.6 - 1343.6	Oprezna plovdba / Cautious navigation
12	Borovo 2	1340.6 - 1338.0	Oprezna plovdba / Cautious navigation
13	Vukovar	1332.0 - 1325.0	Oprezna plovdba / Cautious navigation
14	Sotin	1324.0 - 1320.0	Oprezna plovdba / Cautious navigation
15	Opatovac	1315.4 - 1314.6	Oprezna plovdba / Cautious navigation
16	Mohovo	1311.4 - 1307.6	Oprezna plovdba / Cautious navigation
17	Bačka Palanka	1302.0 - 1300.0	Oprezna plovdba / Cautious navigation
18	Susek	1287.0 - 1281.0	Oprezna plovdba / Cautious navigation
19	Futog	1267.4 - 1261.6	Oprezna plovdba / Cautious navigation
20	Novi Sad	1255.4 - 1254.2	Oprezna plovdba / Cautious navigation
21	Arankina Ada	1247.0 - 1244.8	Oprezna plovdba / Cautious navigation
22	Čortanovci	1241.6 - 1235.0	Oprezna plovdba / Cautious navigation
23	Beška	1232.0 - 1226.6	Oprezna plovdba / Cautious navigation
24	Preliv	1207.0 - 1195.0	Oprezna plovdba / Cautious navigation

Na deonici Dunava sa slobodnim tečenjem od Bezdana do Beograda, nalaze se **24 kritična sektora za plovdbu**. Radi se o morfološki veoma aktivnim deonicama, na kojima **tokom perioda malih voda nisu ispunjeni zahtevani gabariti plovnog puta (širina i dubina)**.

Na ovim deonicama vrše se **česte promene sistema obeležavanja i prilagođavanje pozicije plovnog puta**, u skladu sa raspoloživim dubinama/širinama plovnog puta.

*On the stretch of the Danube River between Bezdan and Belgrade, **24 critical sectors for navigation** are located. Those are morphologically very active sectors, on which **required fairway parameters (depth and width) during low water periods are not fulfilled.***

***Changes of the marking system and realignment of the fairway** are frequent on these sectors, in line with the available fairway depths/widths.*

Tabela 7 / Table 7: Znaci za obeležavanje plovnog puta / Waterway marking signs

CEVNI šifra / CEVNI code	Znak / Marking sign	Značenje	Meaning
A – Znaci zabrane / Prohibitory signs			
A.1		Zabrana prolaska	No entry
A.3		Zabrana međusobnog prestizanja sastava	No overtaking of convoys by convoys
A.4		Zabrana susretanja i prestizanja	No passing or overtaking
A.5		Zabrana stajanja (sidrenja ili stajanja uz obalu)	No berthing (i.e. no anchoring or making fast to the bank)
A.6		Zabrana sidrenja i vučenja sidara, užadi ili lanaca	No anchoring or trailing of anchors, cables or chains
A.9		Zabrana pravljenja talasa ili povlačenja vode	Do not create wash
B – Znaci obaveze / Mandatory signs			
B.2a		Obavezno skretanje prema levoj strani plovnog puta	Move to the side of the fairway on your port side
B.2b		Obavezno skretanje prema desnoj strani plovnog puta	Move to the side of the fairway on your starboard side
B.5		Obavezno zaustavljanje u uslovima koji su određeni ovim Pravilima	Stop as prescribed in the Regulations
B.6		Obaveza da se ne sme preći naznačena brzina (u km/h)	Do not exceed the speed indicated (in km/h)
B.7		Obaveza davanja zvučnog signala	Give a sound signal
B.8		Obaveza obraćanja posebne pažnje	Keep a particularly sharp lookout
B.11b		Obaveza da se stupi u radio telefonsku vezu na talasnoj dužini koja je označena na znaku	Obligation to enter into a radiotelephone link on the channel as indicated on the board
C – Znaci ograničenja / Restrictive signs			
C.3		Ograničena širina plovnog puta ili prolaza	Width of passage or fairway limited
C.4		Postoje ograničenja u plovidbi, tražiti obaveštenje	There are restrictions on navigation: make enquiries
E - Znaci obaveštenja / Informative Signs			
E.5		Mesta na kojima je dozvoljeno stajanje (na sidru ili vezan uz obalu)	Berthing (i.e. anchoring or making fast to the bank) permitted

CEVNI šifra / CEVNI code	Znak / Marking sign	Značenje	Meaning
E.5.2		Dozvoljeno stajanje na delu vodene površine između dva rastojanja koja su ispisana na tabli u m, mereno od table	Berthing permitted on the stretch of the water bounded by the two distances measured from, and shown on the board in meters
E.5.11		Mesto za stajanje brodova sa posadom ili brodova bez posada, koji danju podižu plavi konus	Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry three blue lights or three blue cones
E.6		Dozvoljeno stajanje na sidru ili vučenje sidara, užadi ili lanaca	Anchoring or trailing of anchors, cables or chains permitted
E.7		Dozvoljeno vezivanje uz obalu	Making fast to the bank permitted
E.8		Mesto za okretanje	Turning area
E.9b		Plovni put kojem se prilazi smatra se sporednim	The waterways being approached are considered to be tributaries of the waterway
E.10b		Plovni put kojem se prilazi smatra se glavnim	This waterway is considered to be a tributary of the waterway being approached
E.11b		Prestanak važenja zabrane ili obaveze koja važi za jedan smer plovidbe ili prestanak nekog ograničenja	End of a prohibition or obligation applying to traffic in one direction only, or end of restriction
E.13		Mesto za snabdevanje vodom za piće	Drinking water supply
E.14		Telefon	Telephone
E.26		Zimovnik	Winter harbour
		Kilometarski znak	Kilometer sign
Znaci za obeležavanje plovnog puta / Fairway marking signs			
1.A		Svetleća crvena bova	Right-hand side of the fairway - Buoy with light
1.B		Nesvetleća crvena bova	Right-hand side of the fairway - Buoy without light
2.A		Svetleća zelena bova	Left-hand side of the fairway - Buoy with light
2.B		Nesvetleća zelena bova	Left-hand side of the fairway - Buoy without light

CEVNI šifra / CEVNI code	Znak / Marking sign	Značenje	Meaning
3.A		Svetleća bifurkaciona bova	<i>Bifurcation of the fairway - Buoy with light</i>
4.A		Svetleći obalski znak na desnoj obali	<i>Fairway near the right bank – with light</i>
4.B		Nesvetleći obalski znak na desnoj obali	<i>Fairway near the right bank – without light</i>
4.F		Obeležavanje opasnih mesta i prepreka (desna obala)	<i>Marking of danger points and obstacles (right bank)</i>
5.A		Svetleći obalski znak na levoj obali	<i>Fairway near the left bank – with light</i>
5.F		Obeležavanje opasnih mesta i prepreka (leva obala)	<i>Marking of danger points and obstacles (left bank)</i>
6.A		Svetleći obalni bifurkacioni znak	<i>Bifurcation sign - with light</i>
8.C2		Konzolni radarski reflektor na stubu mosta	<i>Pole with radar reflector placed upstream and downstream from bridge piers</i>

CEVNI – Evropski pravilnik o unutrašnjim plovim putevima, dokument Ekonomske komisije Ujedinjenih nacija za Evropu

Ovde su prikazani samo **znaci koji su zastupljeni na reci Dunav u Srbiji**.

Za više informacija, posetite:

www.unece.org

Za informacije o aktuelnim plovidbenim uslovima i promenama sistema obeležavanja na kritičnim sektorima, molimo Vas da posetite:

www.plovput.gov.rs/plovidbeni-bilten

CEVNI – European Code for Inland Waterways, document of the United Nations Economic Commission for Europe

Only signs used on the Danube River in Serbia are presented here.

For more information, please visit:

www.unece.org

For information on current navigation conditions and changes in the marking system on critical sectors, please visit:

www.plovput.gov.rs/navigational-bulletin

Tabela 8 / Table 8: Kontakti / Contacts

Institucija / Authority	Radno vreme / Working hours	Napomena / Note
Direkcija za vodne puteve Plovput / Directorate for Inland Waterways Plovput Adresa / Address: Francuska 9, 11000 Beograd Tel: +381 11 3029 801 E-mail: office@plovput.gov.rs Website: www.plovput.gov.rs Facebook: /plovput Twitter: /plovput Youtube: /Plovput1963 LinkedIn: /company/plovput Instagram: /plovput	07:30 - 15:30	Pružanje informacija o stanju međunarodnih i međudržavnih plovnih puteva, hidrografska merenja, obeležavanje plovnih puteva, hidrotehnički radovi, RIS <i>Provision of information on navigation conditions, hydrographic survey, waterway marking, river training works, RIS</i>
Lučka kapetanija Apatin / Harbor Master Office Apatin Nadležnost / Jurisdiction Leva obala / Left bank: km 1433+100 - km 1364+000 Desna obala / Right bank: No Adresa / Address: Dunavske obale bb, Apatin Tel: +381 25 772 245 E-mail: ispostava.apatin@mgsi.gov.rs	07:30 - 15:30	
Lučka kapetanija Bačka Palanka / Harbor Master Office Bačka Palanka Nadležnost / Jurisdiction Leva obala / Left bank: km 1364+000 - km 1285+000 Desna obala / Right bank: km 1295+400 - km 1288+000 Adresa / Address: Kralja Petra I 5, Bačka Palanka Tel: +381 21 750 071 E-mail: lk.backapalanka@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour 00:00-24:00</i>
Lučka kapetanija Novi Sad / Harbor Master Office Novi Sad Nadležnost / Jurisdiction Leva obala / Left bank: km 1285+000 - km 1226+600 Desna obala / Right bank: rkm 1288+000 - km 1187+000 Adresa / Address: Beogradski kej 11, Novi Sad Tel: +381 21 526 684 E-mail: lk.nsad@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour 00:00-24:00</i>

Lučka kapetanija Beograd / Harbor Master Office Belgrade Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : km 1206+600 - km 1155+600 Desna obala / <i>Right bank</i> : km 1187+000 - km 1136+000 Adresa / Address: Karađorđeva 6, Beograd Tel: +381 11 202 9900 E-mail: lk.beograd@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour</i> 00:00-24:00
Lučka kapetanija Pančevo / Harbor Master Office Pancevo Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : km 1155+600 - km 1075+000 Desna obala / <i>Right bank</i> : No Adresa / Address: Dositeja Obradovića 13 Tel: +381 13 342 560 E-mail: ispostava.pancevo@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour</i> 00:00-24:00
Lučka kapetanija Smederevo / Harbor Master Office Smederevo Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : No Desna obala / <i>Right bank</i> : km 1136+000 - km 1104+600 Adresa / Address: Despota Đurđa 11 Tel: +381 26 614 290 E-mail: lk.smederevo@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour</i> 00:00-24:00
Lučka kapetanija Veliko Gradište / Harbor Master Office Veliko Gradiste Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : No Desna obala / <i>Right bank</i> : km 1104+600 –km 1010+200 Adresa / Address: Obala kralja Petra I 13 Tel: +381 12 662 219 E-mail: lk.vgradiste@mgsi.gov.rs	00:00-24:00	
Lučka kapetanija Kladovo / Harbor Master Office Kladovo Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : No Desna obala / <i>Right bank</i> : km 1010+200 – km 880+100 Adresa / Address: Dunavska 11 Tel: +381 19 800 284 E-mail: ispostava.kladovo@mgsi.gov.rs	07:30 - 15:30	U planu je uvođenje radnog vremena 00:00-24:00 <i>It is planned to establish the working hour</i> 00:00-24:00

Lučka kapetanija Prahovo / Harbor Master Office Prahovo Nadležnost / <i>Jurisdiction</i> Leva obala / <i>Left bank</i> : No Desna obala / <i>Right bank</i> : rkm 880+100 - rkm 845+650 Adresa / <i>Address</i> : Pristanišna Zona bb Tel: +381 19 3524 026 E-mail: lk.prahovo@mgsi.gov.rs	00:00-24:00	
Brodsko prevođnica Đerdap I / Iron Gate I Navigation Lock Adresa / <i>Address</i> : Tel: +381 19 811 390 E-mail:	00:00-24:00	
Brodsko prevođnica Đerdap II / Iron Gate II Navigation Lock Adresa / <i>Address</i> : Tel: +381 19 546 242 E-mail:	00:00-24:00	
Uprava za utvrđivanje sposobnosti plovila za plovidbu / Authority for Determination of the Seaworthiness Adresa / <i>Address</i> : Narodnih heroja 30, Beograd Tel: +381 11 2 60 70 80 E-mail: office@uprava-brodova.gov.rs Website: www.uprava-brodova.gov.rs	07:30 - 15:30	
Agencija za upravljanje lukama / Port Governance Agency Adresa / <i>Address</i> : Nemanjina 22-26, Beograd Tel: +381 311 20 08 E-mail: office@aul.gov.rs Website: www.aul.gov.rs	07:30 - 15:30	
Republički hidrometeorološki zavod / Republic Hydrometeorological Service of Serbia Adresa / <i>Address</i> : Kneza Višeslava 66, Beograd Tel: +381 11 30 50 923 E-mail: office@hidmet.gov.rs Website: www.hidmet.gov.rs	07:30 - 15:30	

Direkcija za vodne puteve Plovput je organ uprave u sastavu Ministarstva građevinarstva, saobraćaja i infrastrukture Republike Srbije

Directorate for Inland Waterways Plovput is a body within the Ministry of Construction, Transport and Infrastructure of the Republic of Serbia

Lučke kapetanije su deo Ministarstva građevinarstva, saobraćaja i infrastrukture Republike Srbije

Harbor Master Offices are part of the Ministry of Construction, Transport and Infrastructure of the Republic of Serbia

Uprava za utvrđivanje sposobnosti plovila za plovību je organ uprave u sastavu Ministarstva građevinarstva, saobraćaja i infrastrukture Republike Srbije

Authority for Determination of the Seaworthiness is a body within the Ministry of Construction, Transport and Infrastructure of the Republic of Serbia

Brodska prevodnica Đerdap I je deo Hidroenergetskog i plovidbenog sistema Đerdap

Iron Gate I Navigation Lock is a part of the Iron Gate Hydroelectric and Navigation System

Brodska prevodnica Đerdap II je deo Hidroenergetskog i plovidbenog sistema Đerdap

Iron Gate II Navigation Lock is a part of the Iron Gate Hydroelectric and Navigation System

Agencija za upravljanje lukama je nezavisno državno regulatorno telo

Port Governance Agency is an independent governmental regulatory body

Republički hidrometeorološki zavod Srbije je posebna organizacija Vlade Republike Srbije

Republic Hydrometeorological Service of Serbia is a special organization of the Government of the Republic of Serbia

Sadržaj / Content

Strana / Page	Deonica reke / River stretch	Strana / Page	Deonica reke / River stretch	Strana / Page	Deonica reke / River stretch
01	1433,10 - 1429,30	37	1306,55 - 1302,95	73	1181,75 - 1177,60
02	1429,25 - 1425,90	38	1302,90 - 1299,35	74	1178,20 - 1174,60
03	1425,85 - 1422,30	39	1299,30 - 1295,90	75	1175,55 - 1172,00
04	1422,25 - 1418,65	40	1295,85 - 1292,15	76	1172,35 - 1168,45
05	1419,00 - 1415,35	41	1292,10 - 1288,50	77	1168,50 - 1164,85
06	1415,30 - 1411,80	42	1288,50 - 1284,55	78	1165,05 - 1160,85
07	1411,75 - 1408,15	43	1284,90 - 1281,05	79	1161,90 - 1157,65
08	1408,55 - 1404,90	44	1281,40 - 1277,20	80	1158,20 - 1154,50
09	1405,05 - 1401,45	45	1277,15 - 1273,65	81	1154,95 - 1151,90
10	1401,75 - 1397,95	46	1273,60 - 1269,85	82	1151,85 - 1147,55
11	1398,60 - 1394,50	47	1269,80 - 1266,45	83	1147,90 - 1144,40
12	1394,90 - 1390,00	48	1266,45 - 1262,90	84	1144,35 - 1140,95
13	1390,30 - 1387,40	49	1263,00 - 1259,25	85	1142,25 - 1139,05
14	1387,80 - 1384,40	50	1260,10 - 1256,60	86	1139,20 - 1134,90
15	1384,35 - 1380,95	51	1256,55 - 1252,90	87	1135,50 - 1132,00
16	1380,90 - 1377,30	52	1252,85 - 1249,40	88	1132,30 - 1128,50
17	1377,35 - 1373,90	53	1249,60 - 1245,50	89	1129,10 - 1125,40
18	1374,20 - 1369,65	54	1245,75 - 1242,05	90	1125,60 - 1122,10
19	1369,60 - 1365,80	55	1242,35 - 1238,50	91	1122,10 - 1118,60
20	1366,15 - 1362,05	56	1238,50 - 1234,85	92	1119,10 - 1115,00
21	1362,70 - 1358,95	57	1234,80 - 1231,40	93	1114,90 - 1111,60
22	1358,90 - 1354,75	58	1231,35 - 1227,45	94	1111,60 - 1107,80
23	1354,90 - 1351,45	59	1227,40 - 1223,80	95	1108,50 - 1104,50
24	1351,45 - 1347,75	60	1223,75 - 1220,10	96	1104,60 - 1101,90
25	1348,60 - 1345,20	61	1220,55 - 1216,45	97	1101,70 - 1097,50
26	1345,50 - 1341,35	62	1216,50 - 1213,90	98	1097,50 - 1093,30
27	1341,45 - 1337,90	63	1214,25 - 1210,55	99	1094,60 - 1090,80
28	1338,20 - 1334,35	64	1211,45 - 1207,50	100	1090,80 - 1087,20
29	1334,80 - 1331,50	65	1207,50 - 1203,70	101	1088,40 - 1084,50
30	1331,55 - 1328,05	66	1204,40 - 1200,40	102	1084,50 - 1081,00
31	1328,45 - 1325,15	67	1201,00 - 1197,05	103	1081,00 - 1076,70
32	1325,10 - 1321,35	68	1197,00 - 1193,20	104	1076,50 - 1074,30
33	1321,70 - 1317,80	69	1193,80 - 1190,10	105	1074,10 - 1071,00
34	1318,45 - 1314,45	70	1190,60 - 1186,80	106	1071,20 - 1068,10
35	1314,50 - 1310,45	71	1187,25 - 1183,90	107	1068,10 - 1064,30
36	1310,40 - 1306,60	72	1184,90 - 1181,20	108	1064,30 - 1060,90

Sadržaj / Content

Strana / Page	Deonica reke / River stretch	Strana / Page	Deonica reke / River stretch	Strana / Page	Deonica reke / River stretch
109	1060,90 - 1057,10	132	978,60 - 974,80	155	900,40 - 897,50
110	1057,05 - 1053,50	133	974,80 - 971,60	156	898,00 - 894,40
111	1053,50 - 1049,80	134	971,60 - 967,90	157	894,40 - 890,70
112	1049,80 - 1046,80	135	968,10 - 964,60	158	890,70 - 886,80
113	1046,80 - 1043,40	136	964,80 - 961,50	159	886,80 - 883,60
114	1043,80 - 1039,80	137	961,50 - 958,00	160	883,60 - 880,80
115	1039,80 - 1035,60	138	958,00 - 955,10	161	881,00 - 877,60
116	1035,60 - 1032,10	139	955,10 - 951,50	162	877,60 - 874,00
117	1032,10 - 1028,50	140	951,50 - 947,60	163	874,00 - 870,20
118	1028,50 - 1024,80	141	947,60 - 944,80	164	870,40 - 866,20
119	1024,80 - 1020,90	142	944,80 - 941,50	165	866,80 - 864,00
120	1020,90 - 1017,50	143	942,10 - 939,00	166	863,80 - 861,00
121	1017,50 - 1013,50	144	939,10 - 936,00	167	861,20 - 857,80
122	1013,50 - 1010,00	145	936,20 - 932,80	168	858,00 - 854,50
123	1010,00 - 1005,80	146	932,80 - 929,00	169	854,50 - 850,50
124	1005,80 - 1002,50	147	929,00 - 926,00	170	850,50 - 846,50
125	1002,60 - 999,00	148	926,00 - 922,80	171	847,00 - 845,50
126	999,00 - 995,40	149	922,80 - 919,60		SAVA
127	995,40 - 992,20	150	919,60 - 915,20	172	16,00 - 12,60
128	992,20 - 988,60	151	915,20 - 911,20	173	13,00 - 10,00
129	986,60 - 985,10	152	911,20 - 907,00	174	10,10 - 06,20
130	985,10 - 981,80	153	907,00 - 904,00	175	06,90 - 03,50
131	981,80 - 978,60	154	904,00 - 900,40	176	03,50 - 00,00

Beleške / Notes

Beleške / Notes

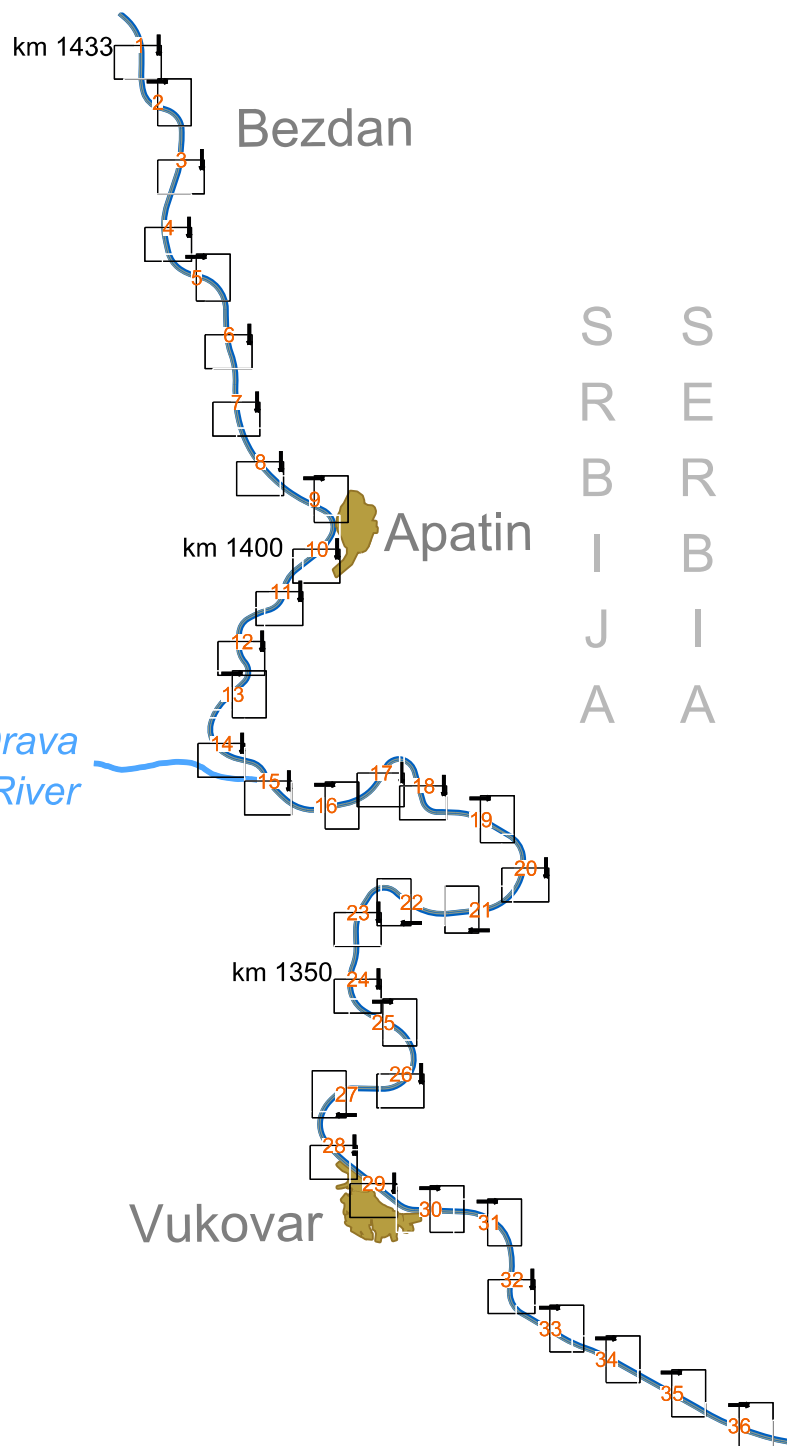
Beleške / Notes

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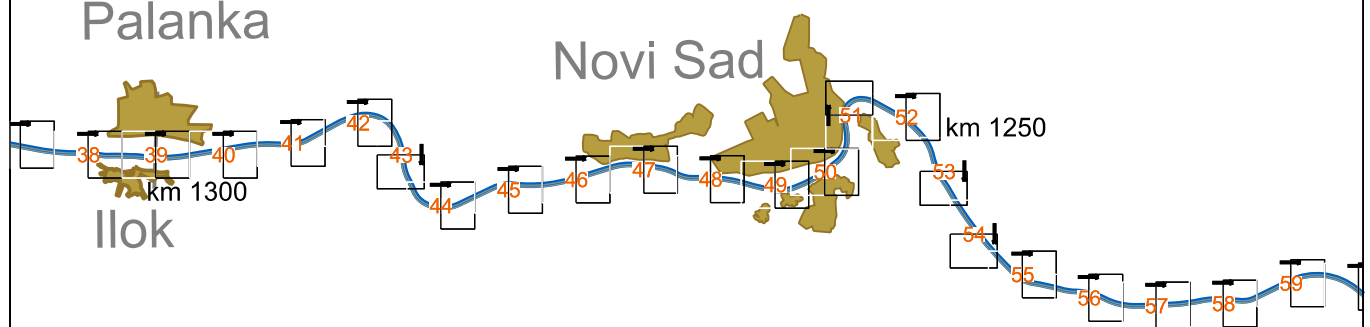


Vukovar

SRBIJA
SERBIA

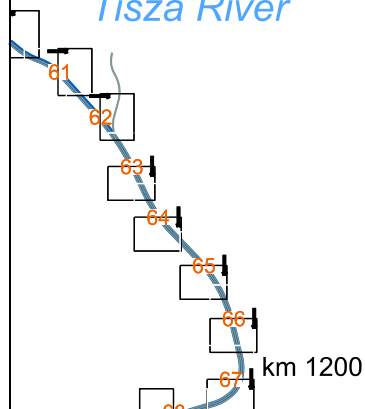
Bačka
Palanka

Novi Sad



SRBIJA
SERBIA

Reka Tisa
Tisza River

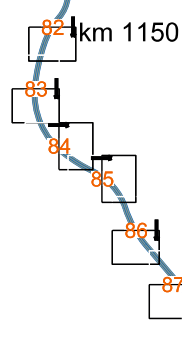
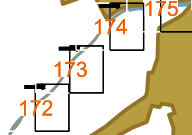


Reka Tamiš
Tamiš River

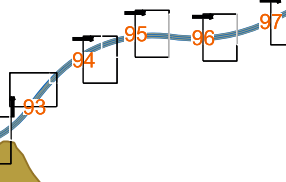
Beograd Pančevo

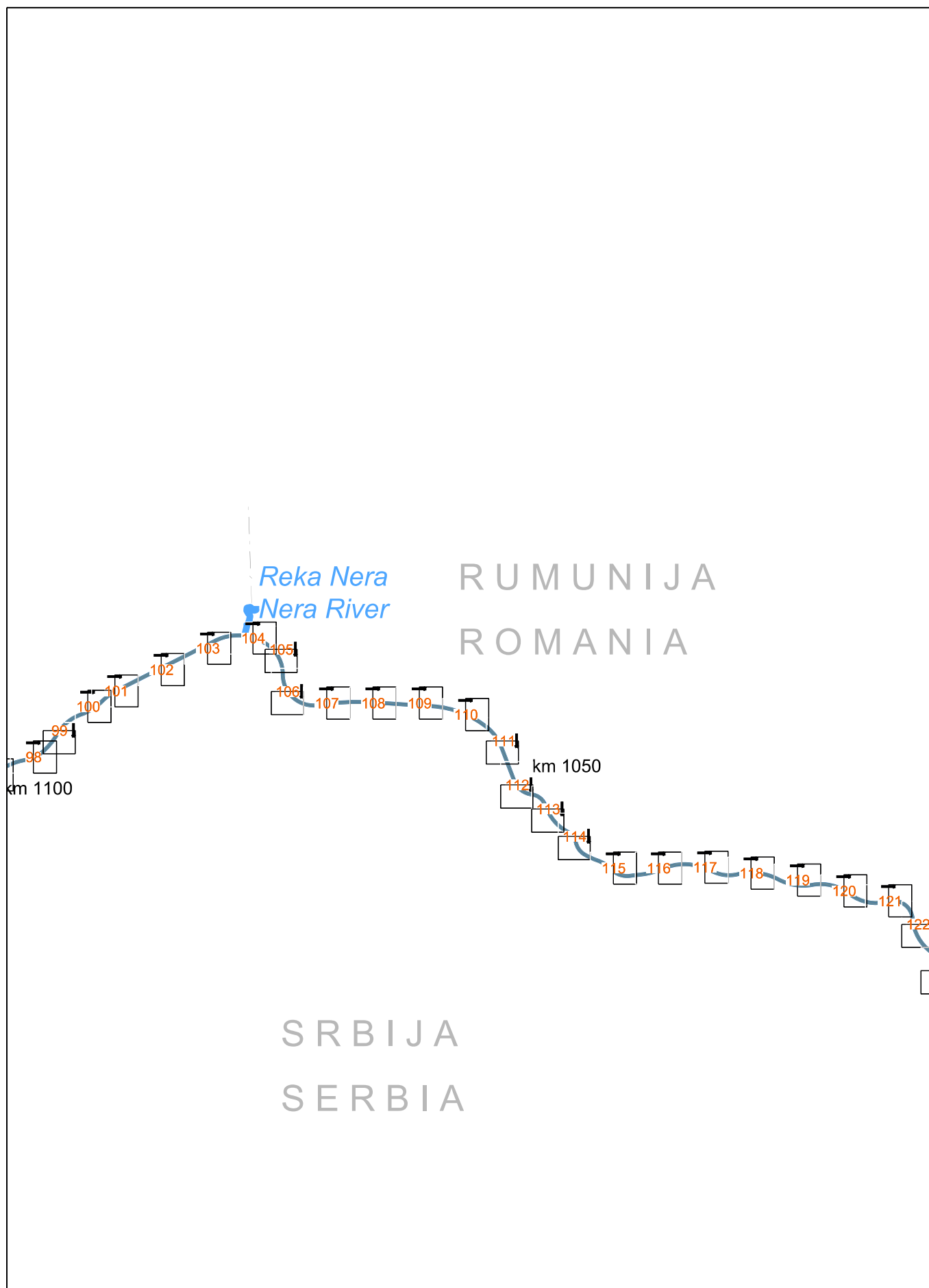


Reka Sava-Sektor Ušće
Sava River -Sector Confluence



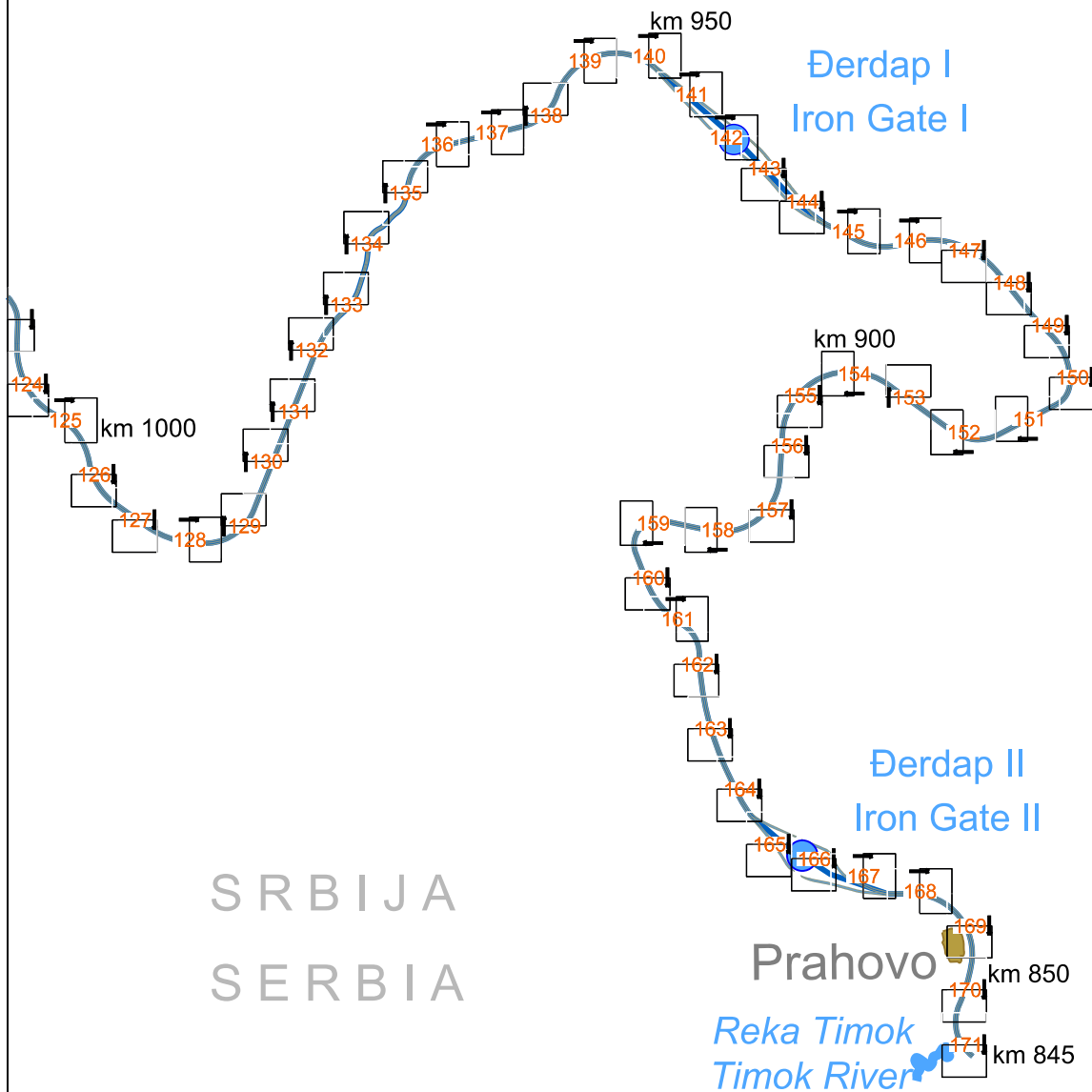
Smederevo





RUMUNIJA
ROMANIA

Đerdap I
Iron Gate I



SRBIJA
SERBIA

Prahovo

Reka Timok
Timok River

BUGARSKA
BULGARIA

LEGENDA / LEGEND

Vertikalna obala / *Vertical bank*

Cevovodi, kablovi / *Pipelines, cablelines*

Put / *Road*

Most / *Bridge*

a Čelični most / *Steel bridge*

b Betonski most / *Concrete bridge*

Glavna saobraćajnica / *Main road*

Hektometri / *Hectometers*

a Znaci zabrane / *Prohibitory Signs*

b Znaci obaveze / *Mandatory Signs*

Skela na sopstveni pogon /
Free-propelled ferry

Skela koja ne plovi slobodno /
Ferry on cables

Rampa / *Ramp*

Okretnica / *Turnaround*

Dalekovodi sa radarskim reflektorima /
Overhead powerlines with radar reflector

Stacionaža / *Chainage*

a Plovni put / *Fairway*

b Vodni put / *Waterway*

c Ostala vodna tela / *Other water bodies*

Zaštićena obala / *Protected bank*

Nezaštićena obala / *Unprotected bank*

Smer toka / *Flow direction*

Hidrotehničke građevine /
River training structures

Radarski reflektor / *Radar reflector*

Brana sa prevodnicom /
Dam with navigation lock

Vodomerna stanica

"0", NPN, VPN /

Gauging station

"0", LNL, HNL

c Znaci ograničenja / *Restrictive Signs*

d Znaci preporuke / *Recommendatory Signs*

e Znaci obaveštenja / *Informative Signs*

Zaštićeno područje / *Restricted Area*

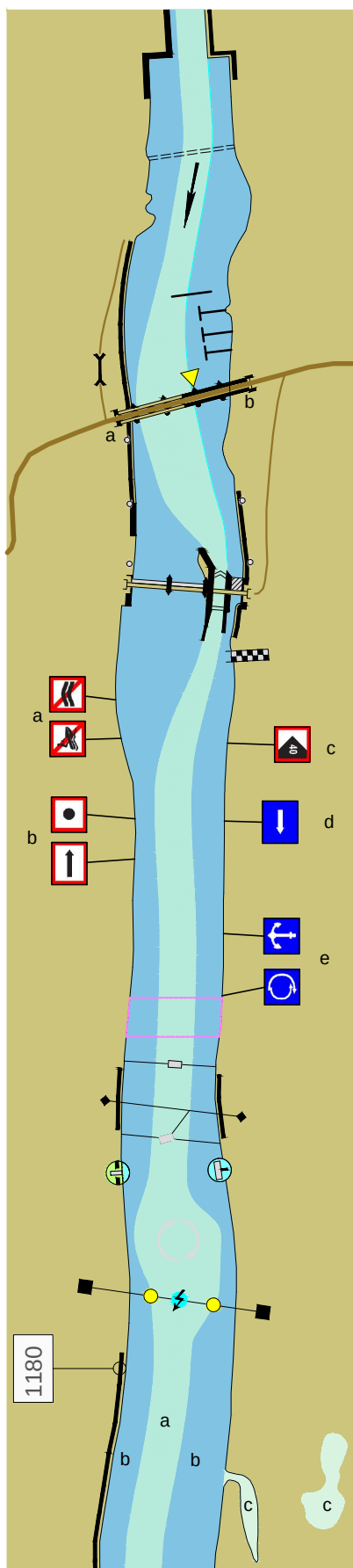
Pristan / *Pier*

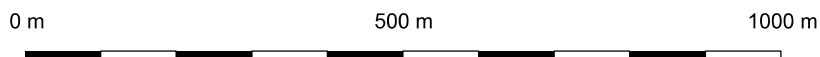
Dubine / *Depths*

	<0.0m
	0.0-1.6m
	1.6-2.0m
	2.0-2.3m
	2.3-2.5m
	2.5-3.0m
	3.0-3.5m
	3.5m-unknown
	0.0-2.5m
	0.0-3.5m

Dubine su date u odnosu na NPN/
Depths refer to LNL

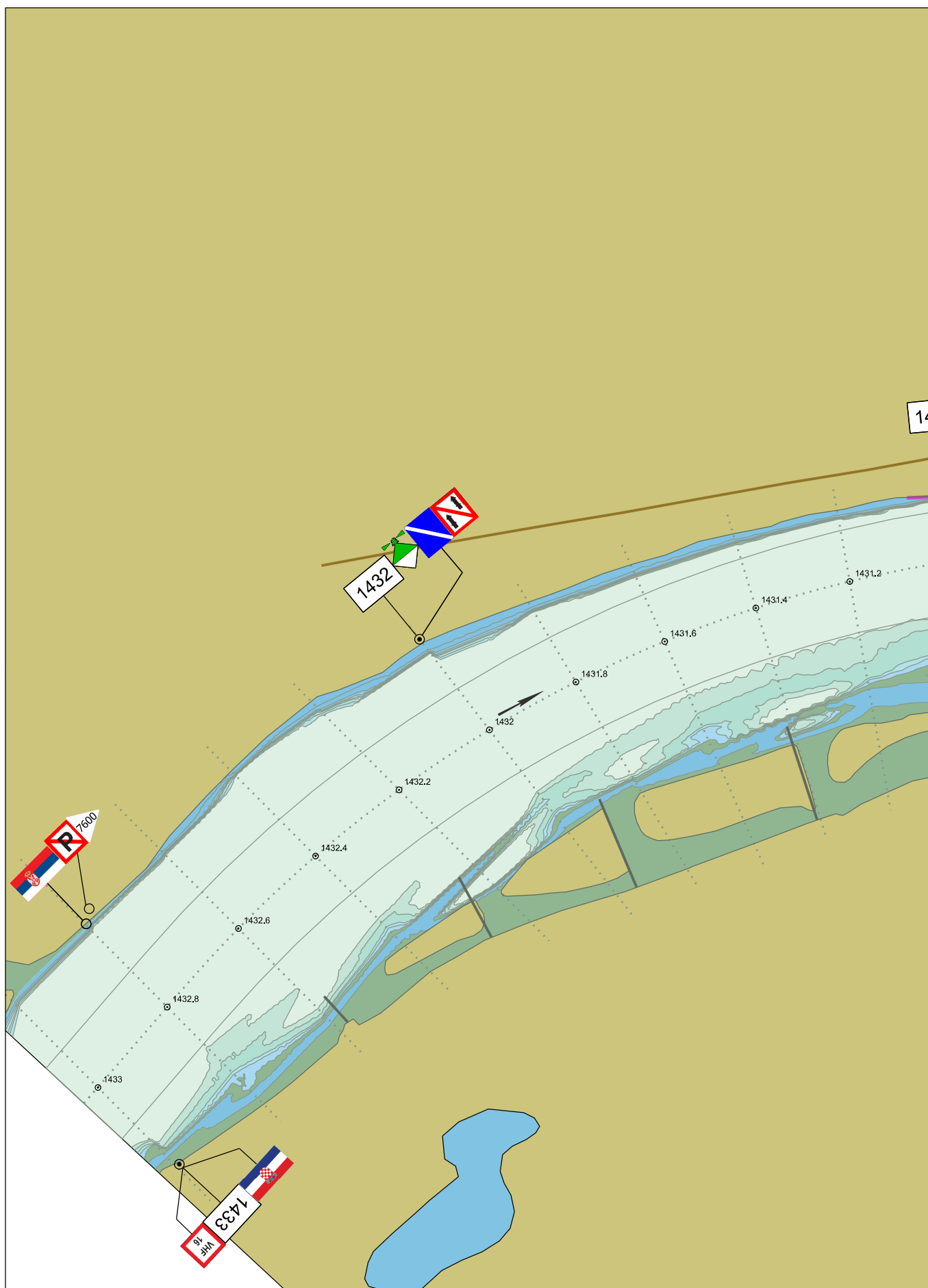
Jezero / *Lake*





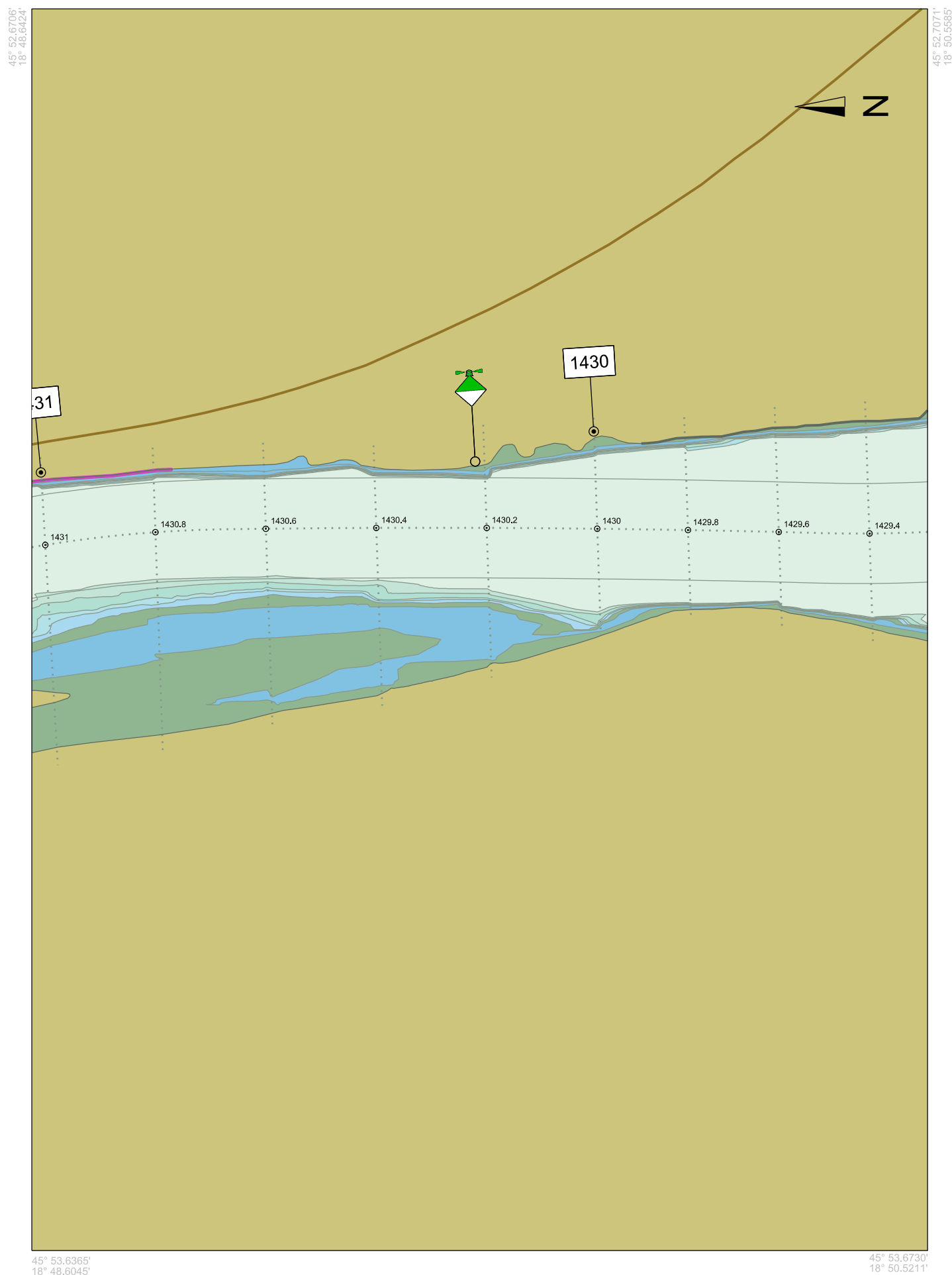
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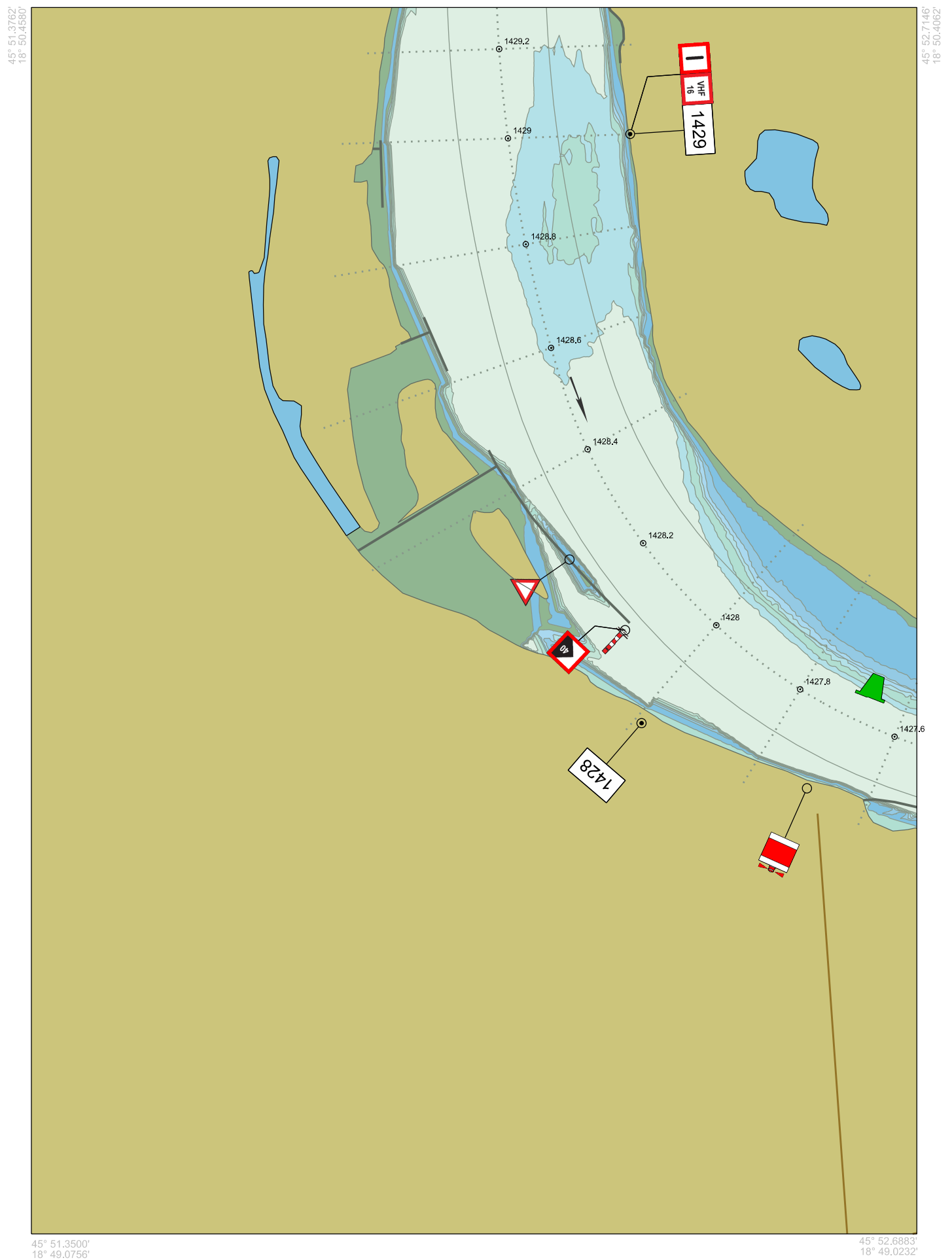
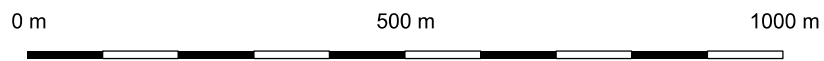
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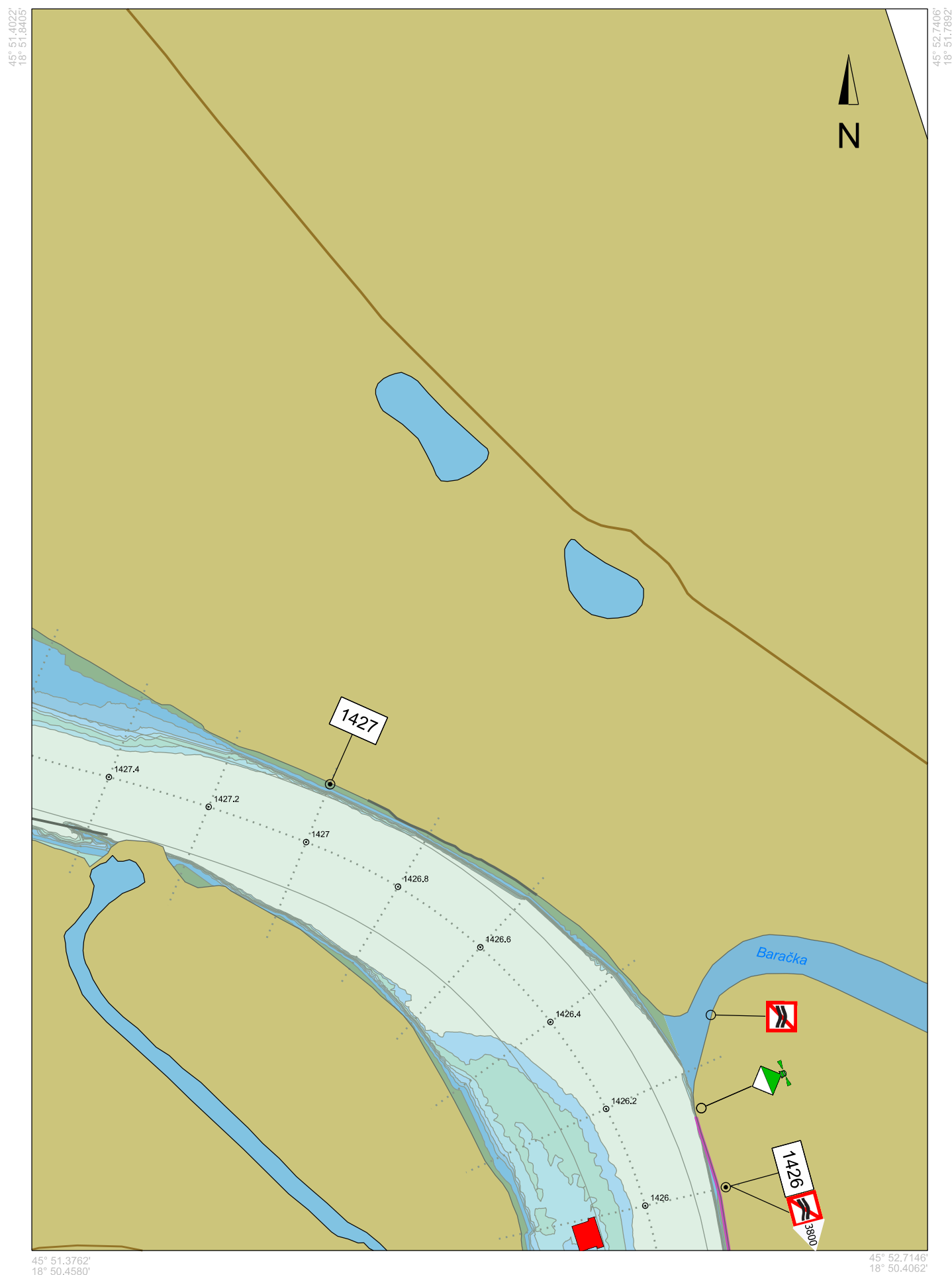


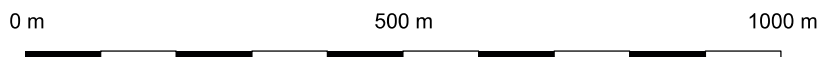
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45° 54.6390'
18° 50.4837'



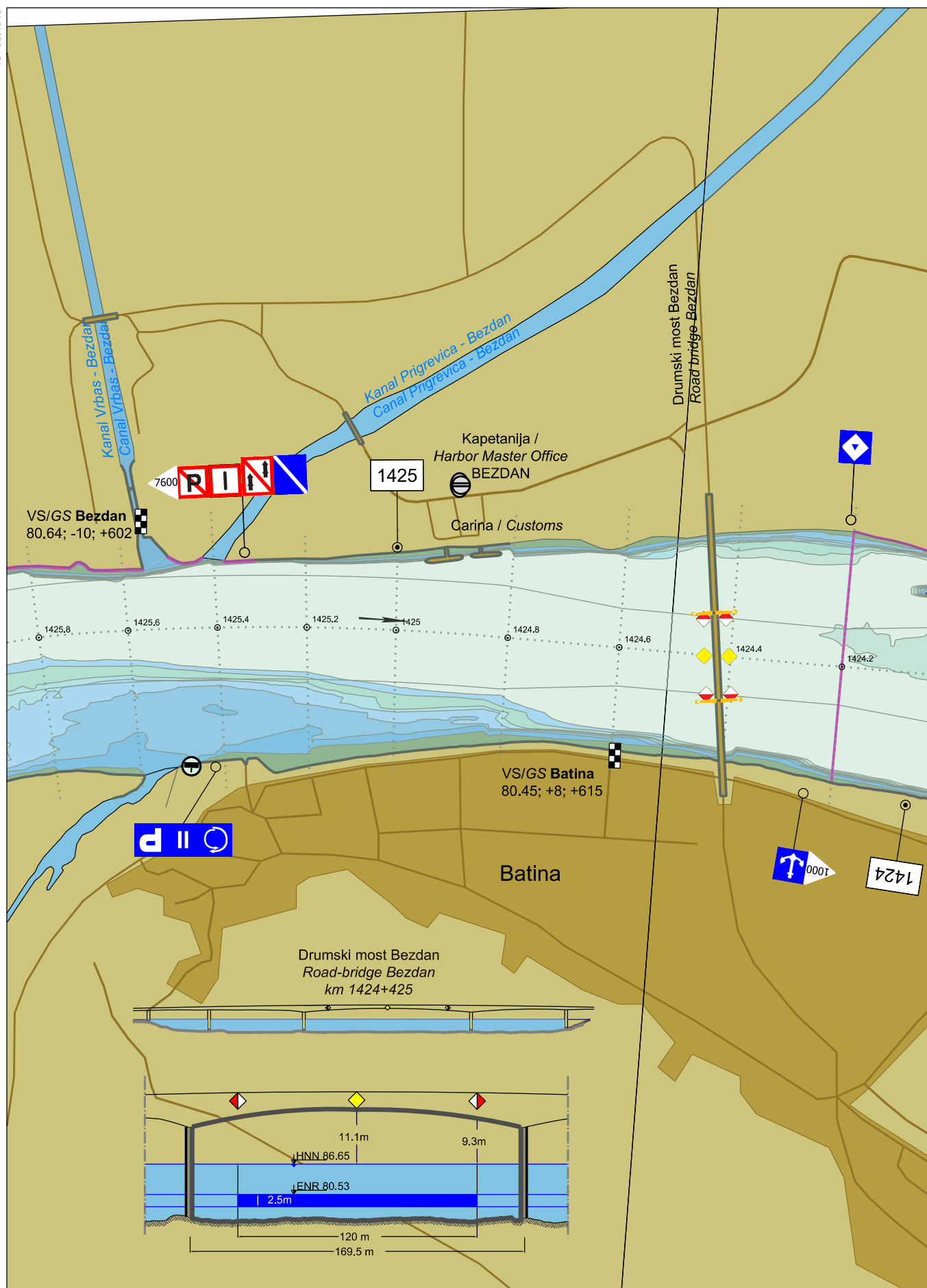






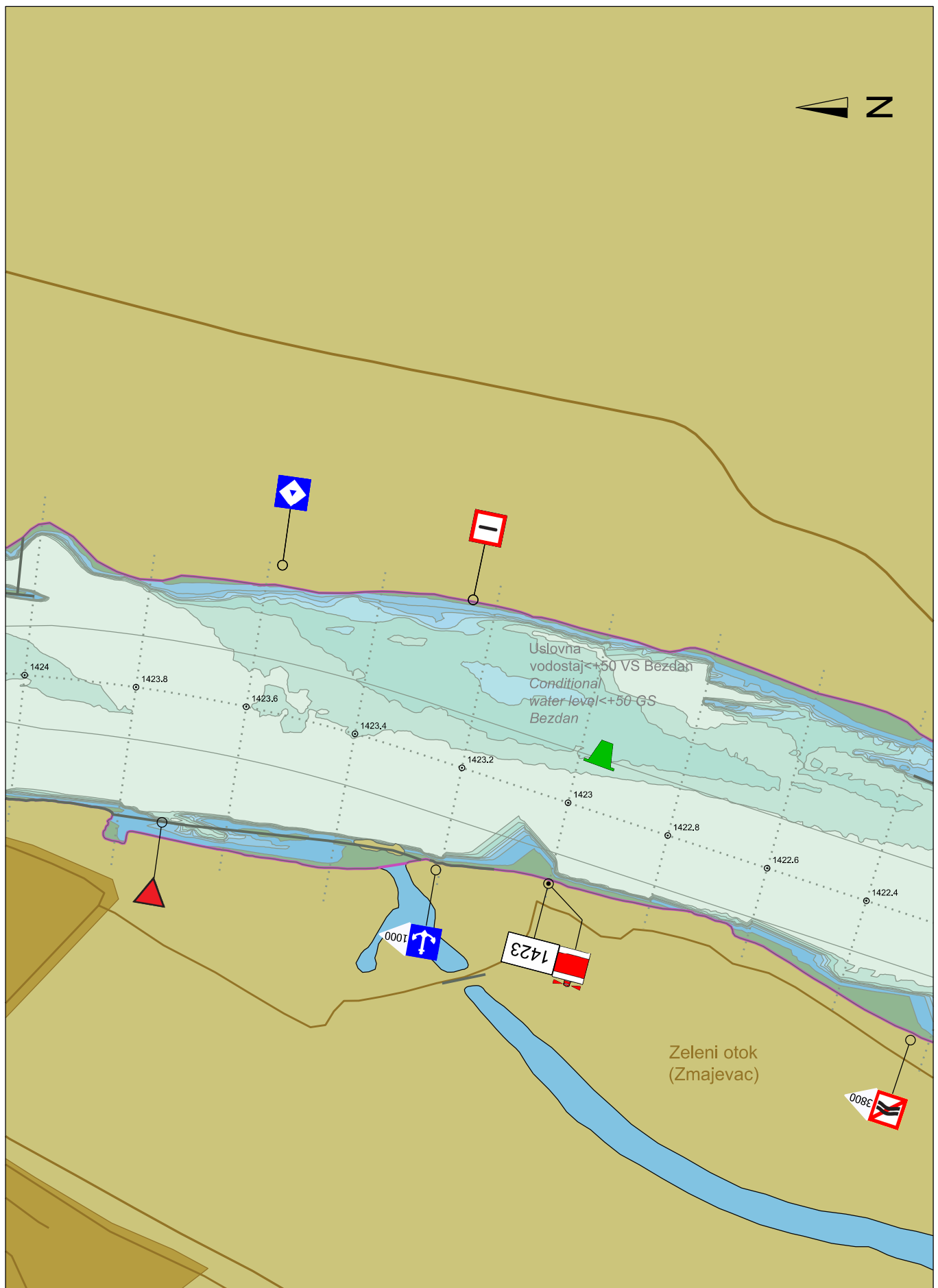
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18° 50.4943'

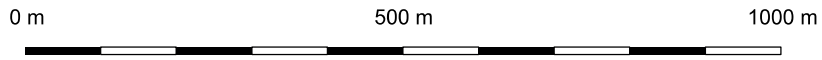
45° 50.4358'
18° 52.4092'



45° 51.3658'
18° 50.4570'

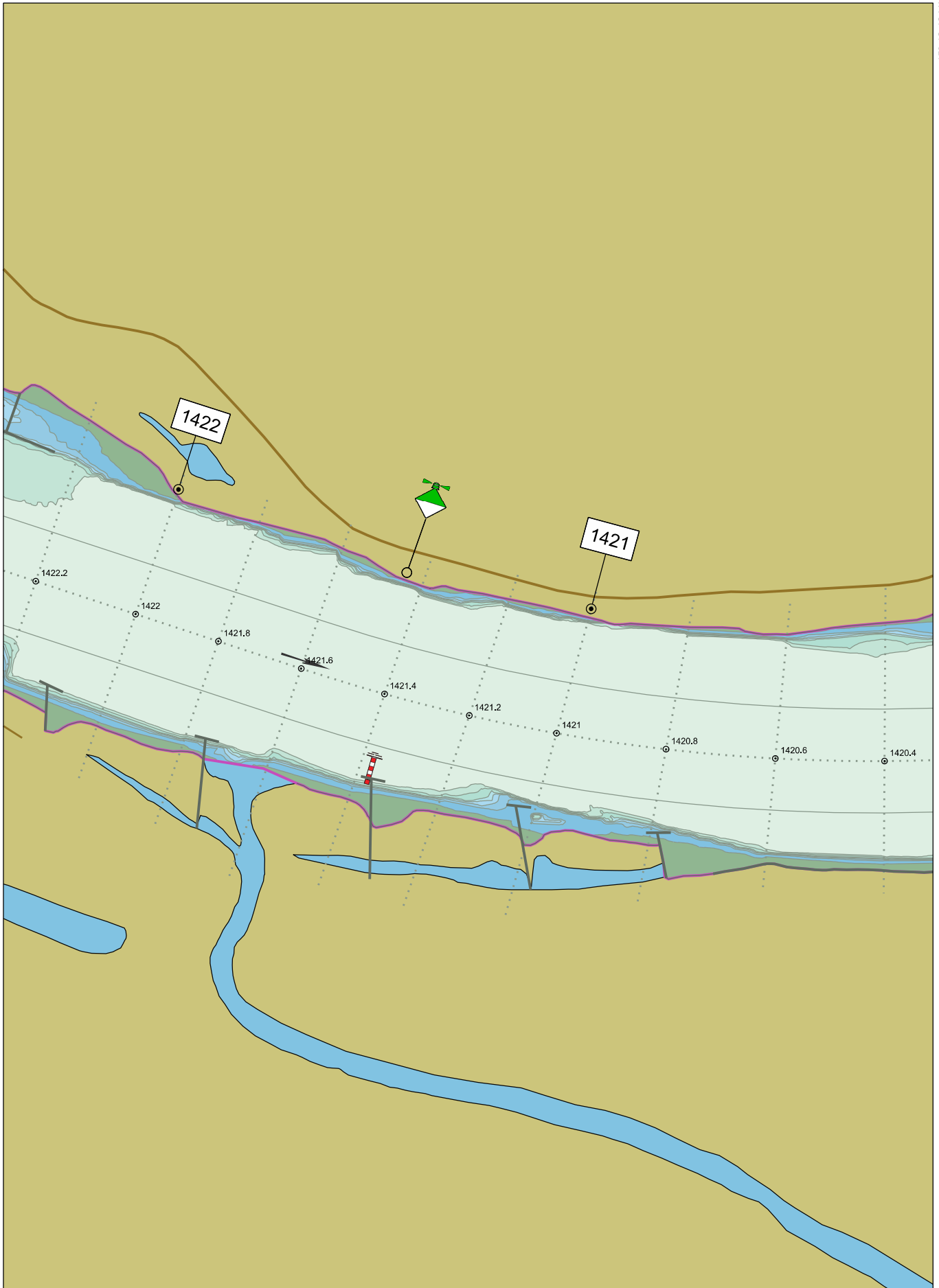
45° 51.4018'
18° 52.3723'

45° 49.4339'
18° 50.5317'45° 49.4698'
18° 52.4460'45° 50.3999'
18° 50.4943'45° 50.4358'
18° 52.4092'



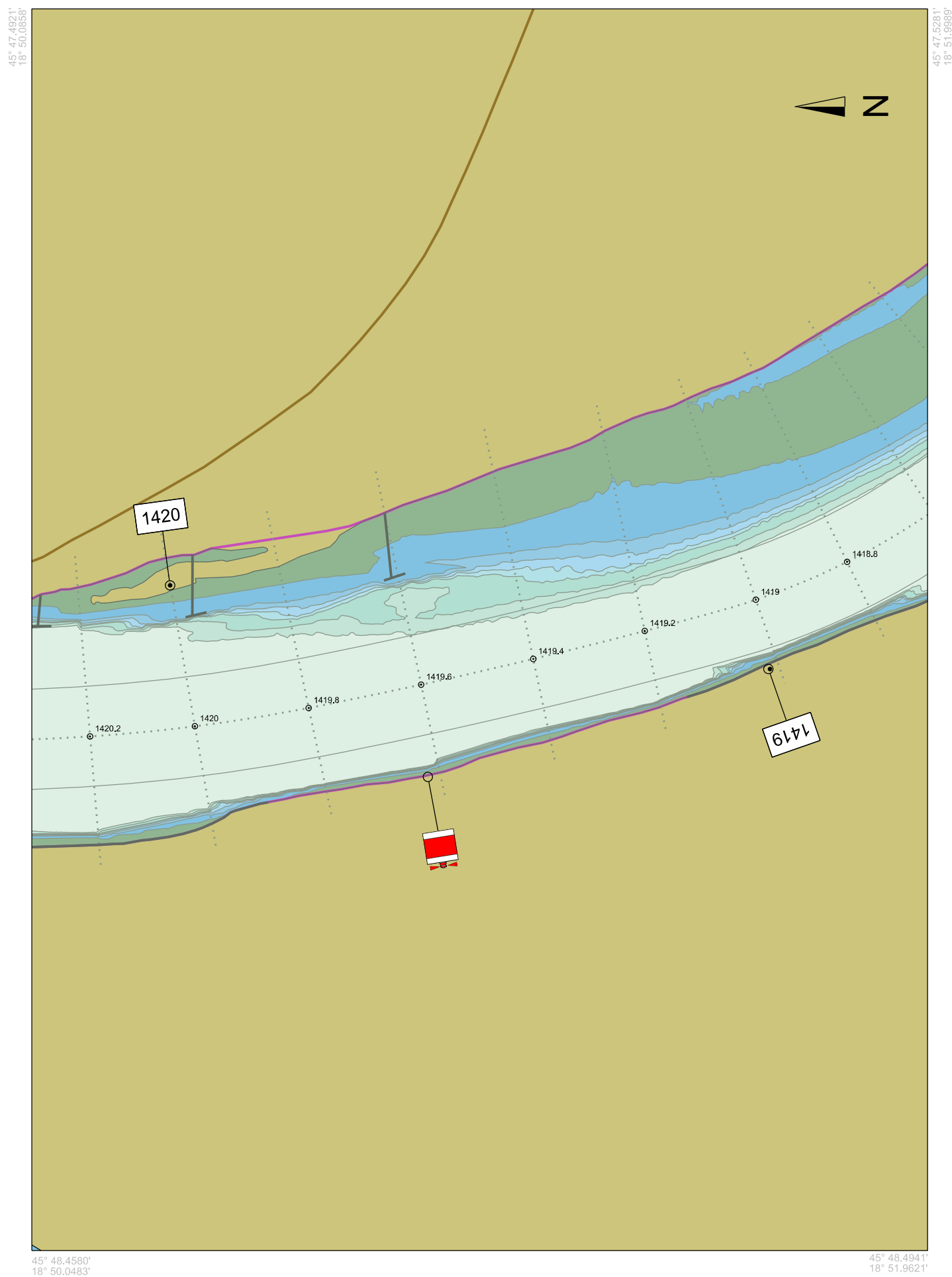
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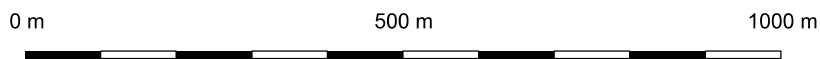
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45° 49.4240'
18° 50.0109'

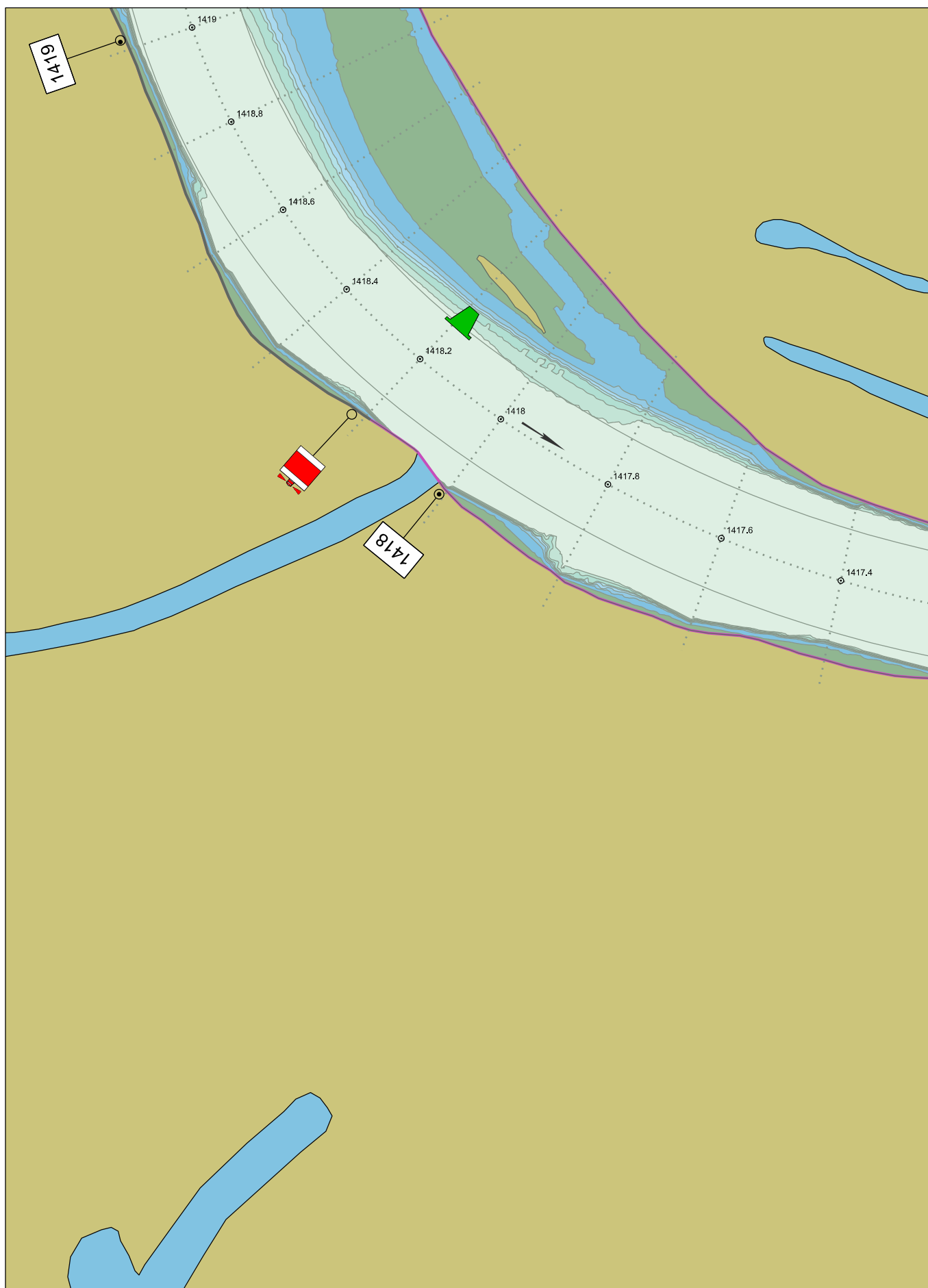
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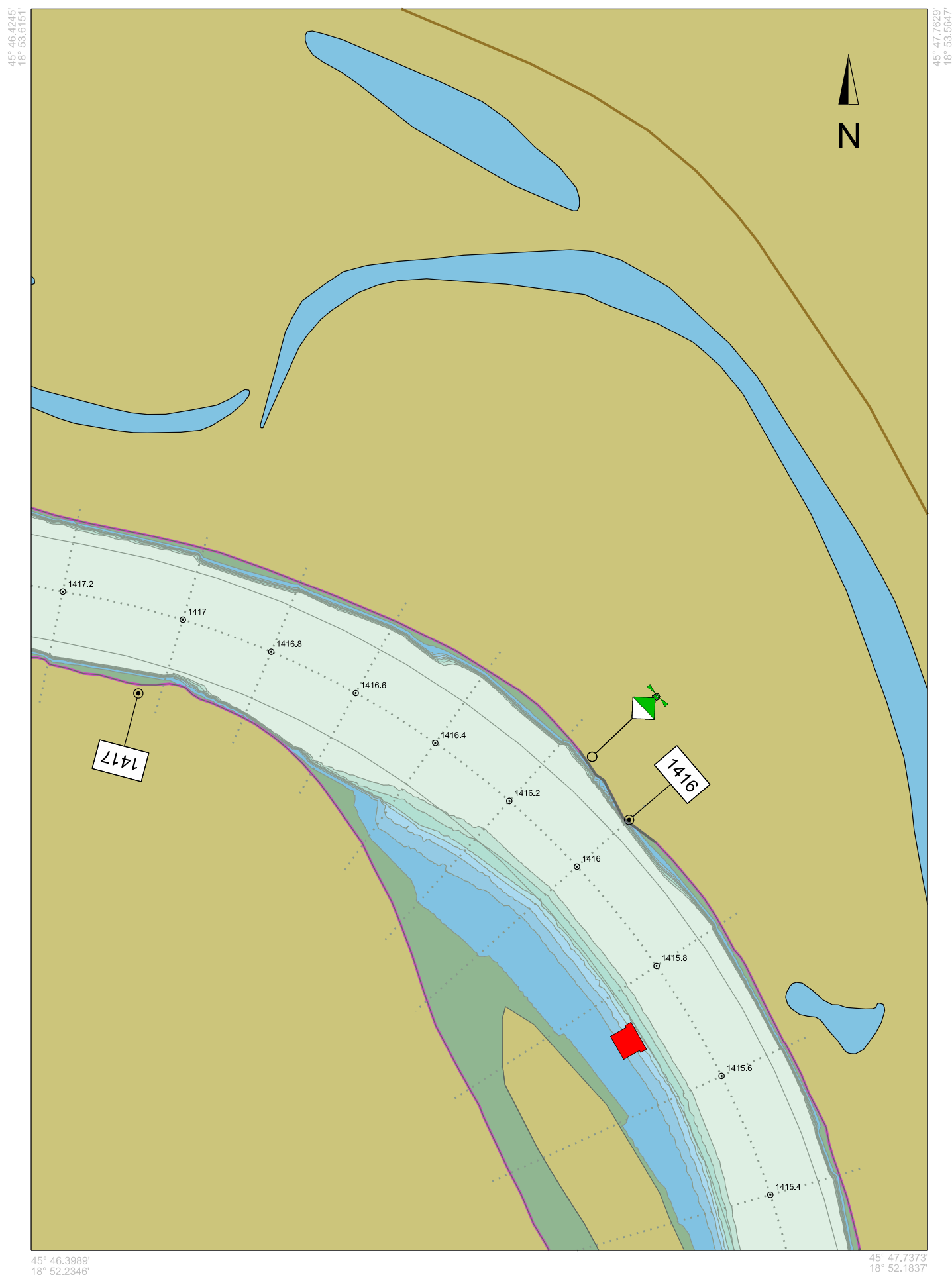
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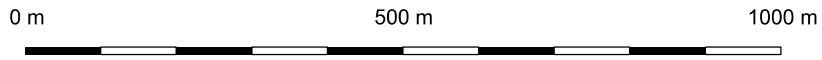
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45° 46.3731'
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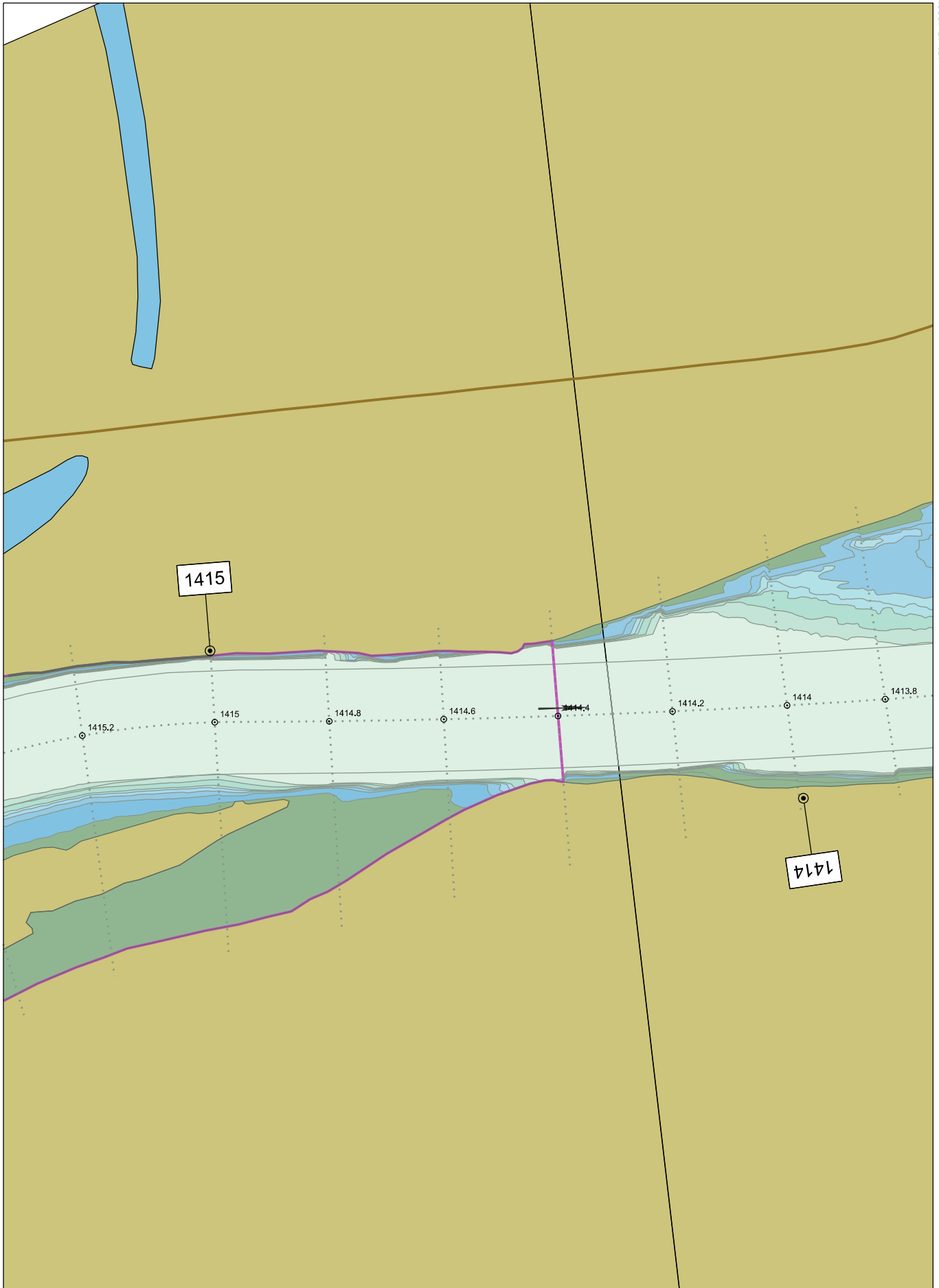
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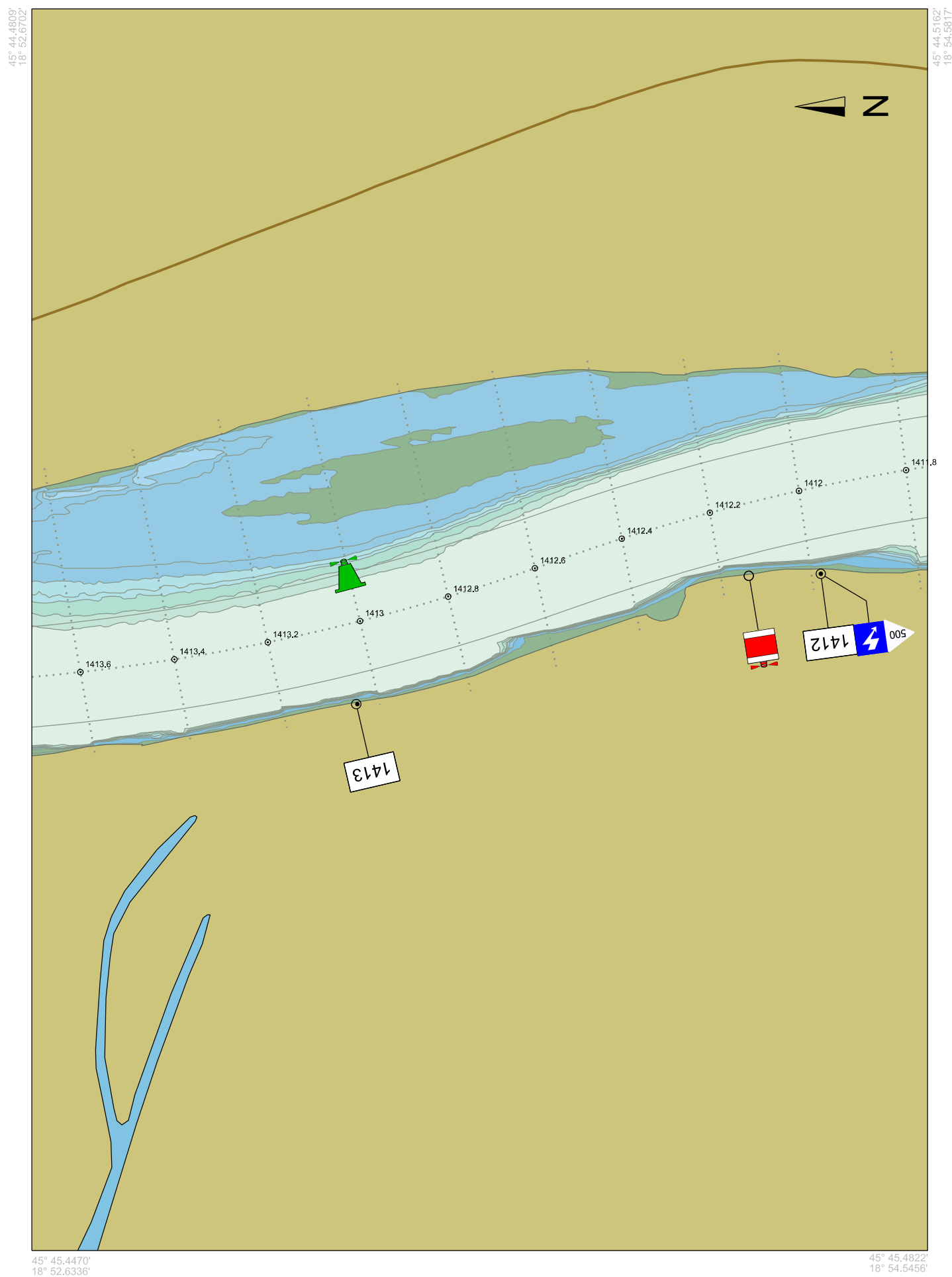
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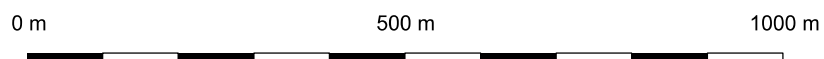
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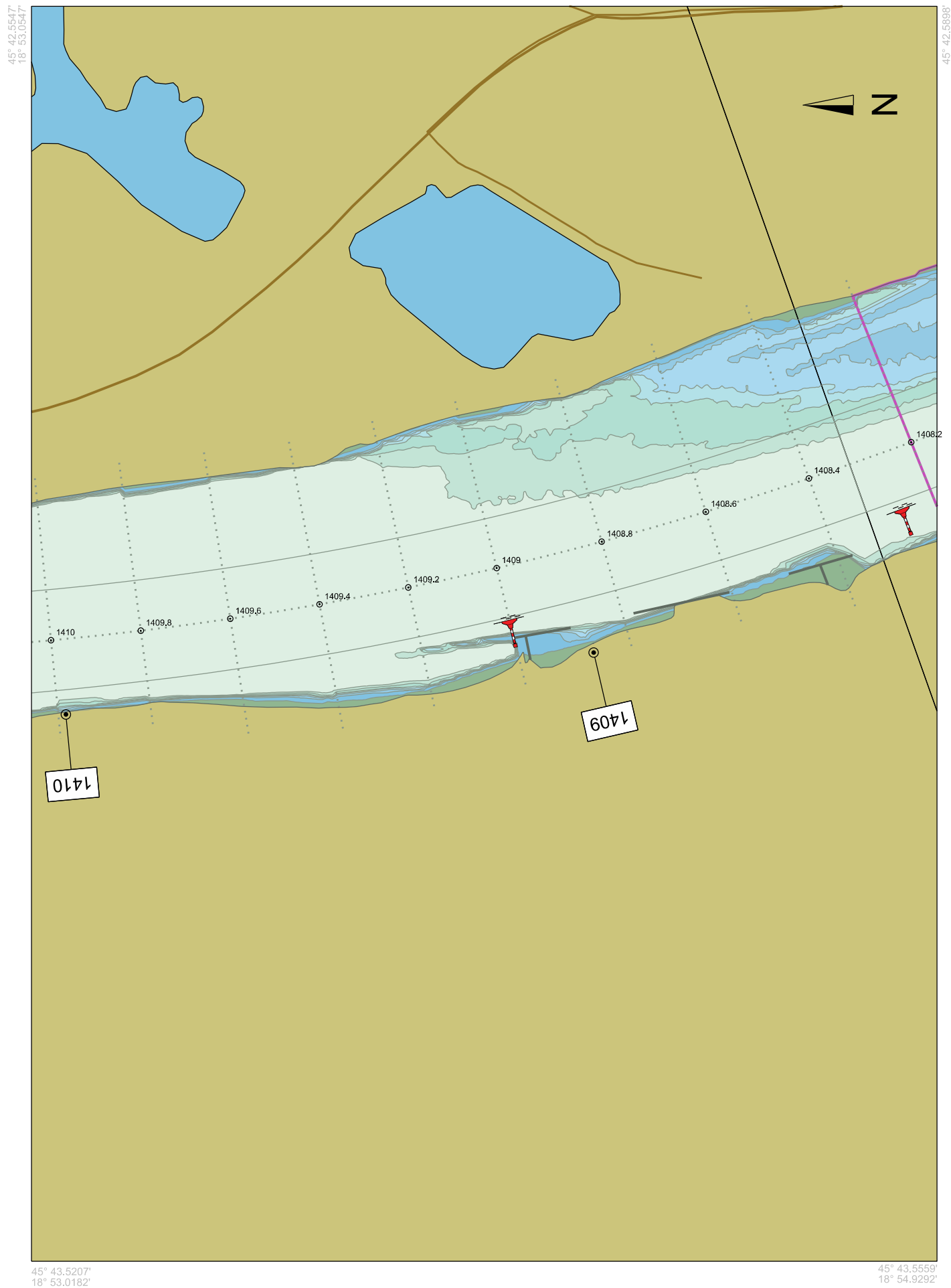


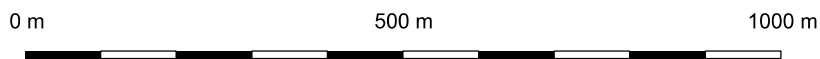
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45° 46.4483'
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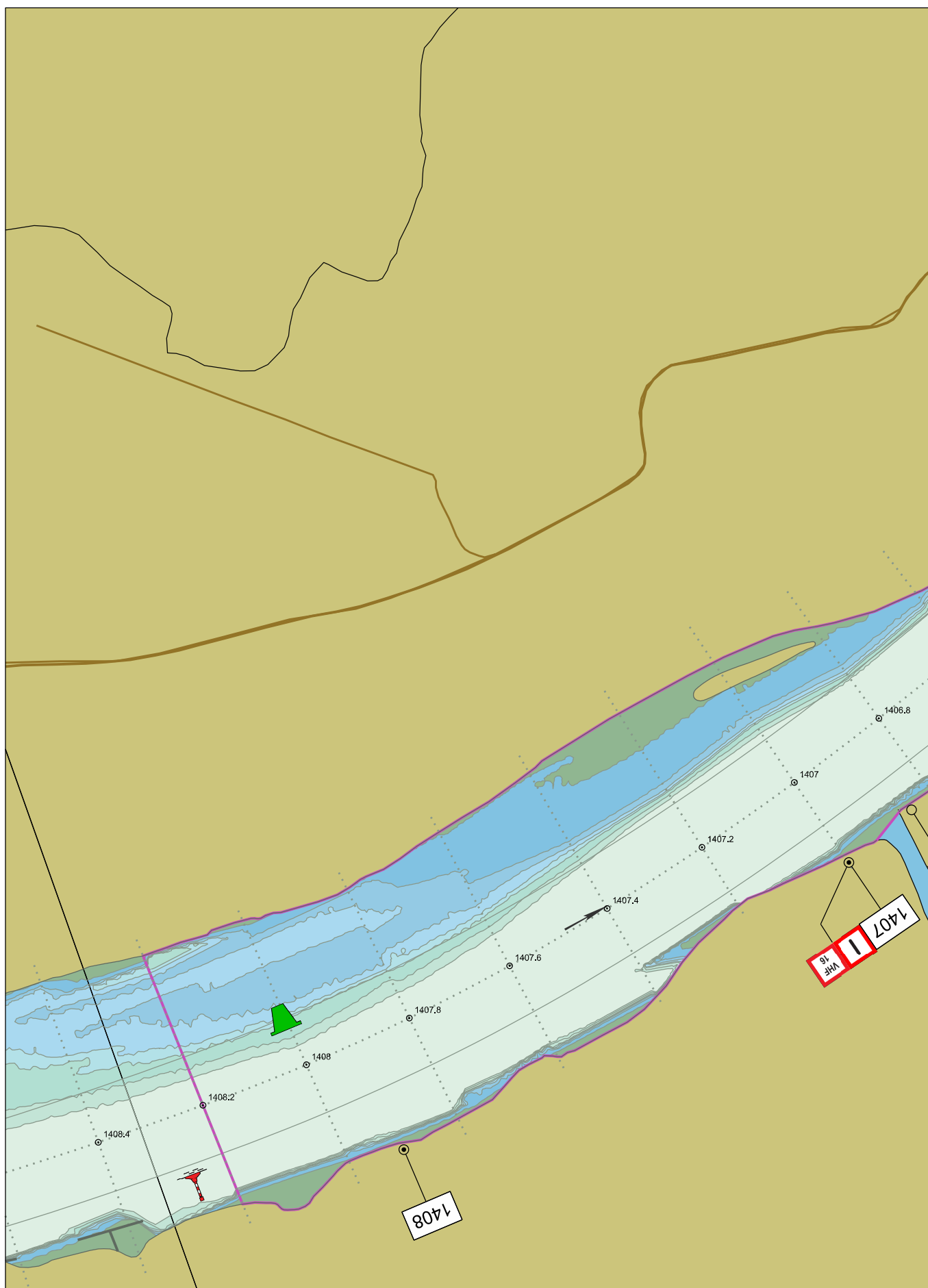






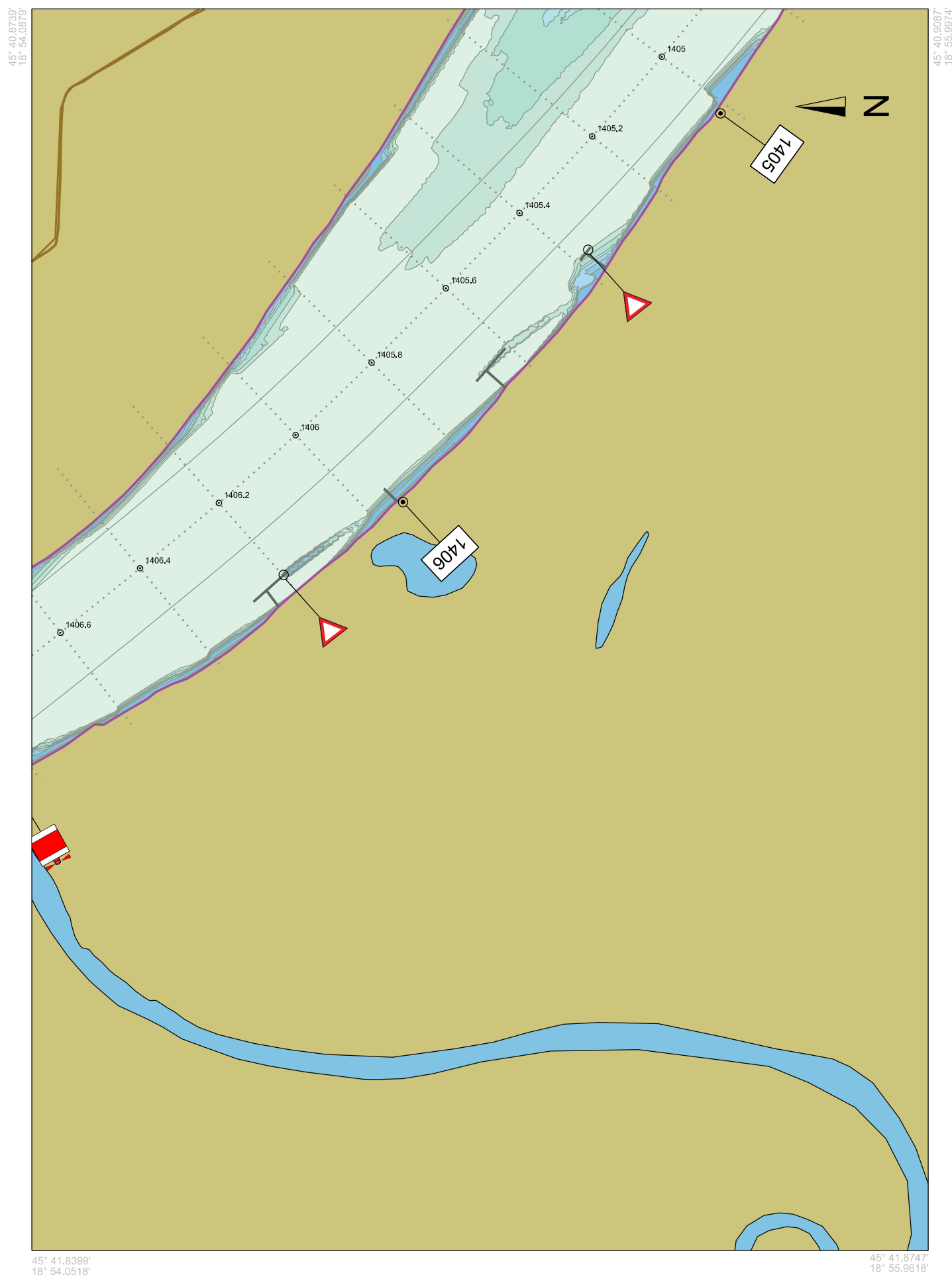
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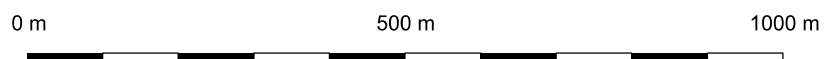
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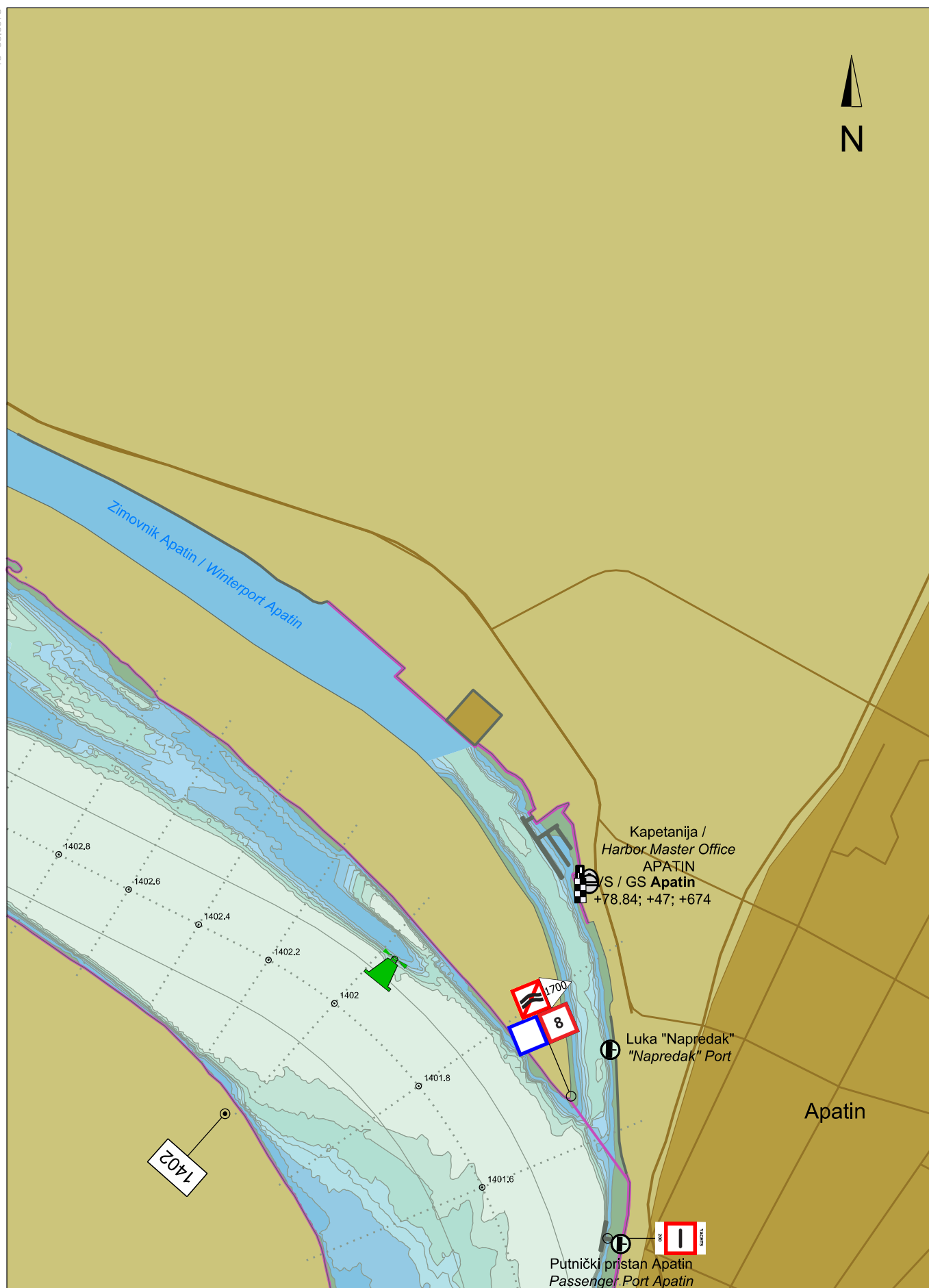


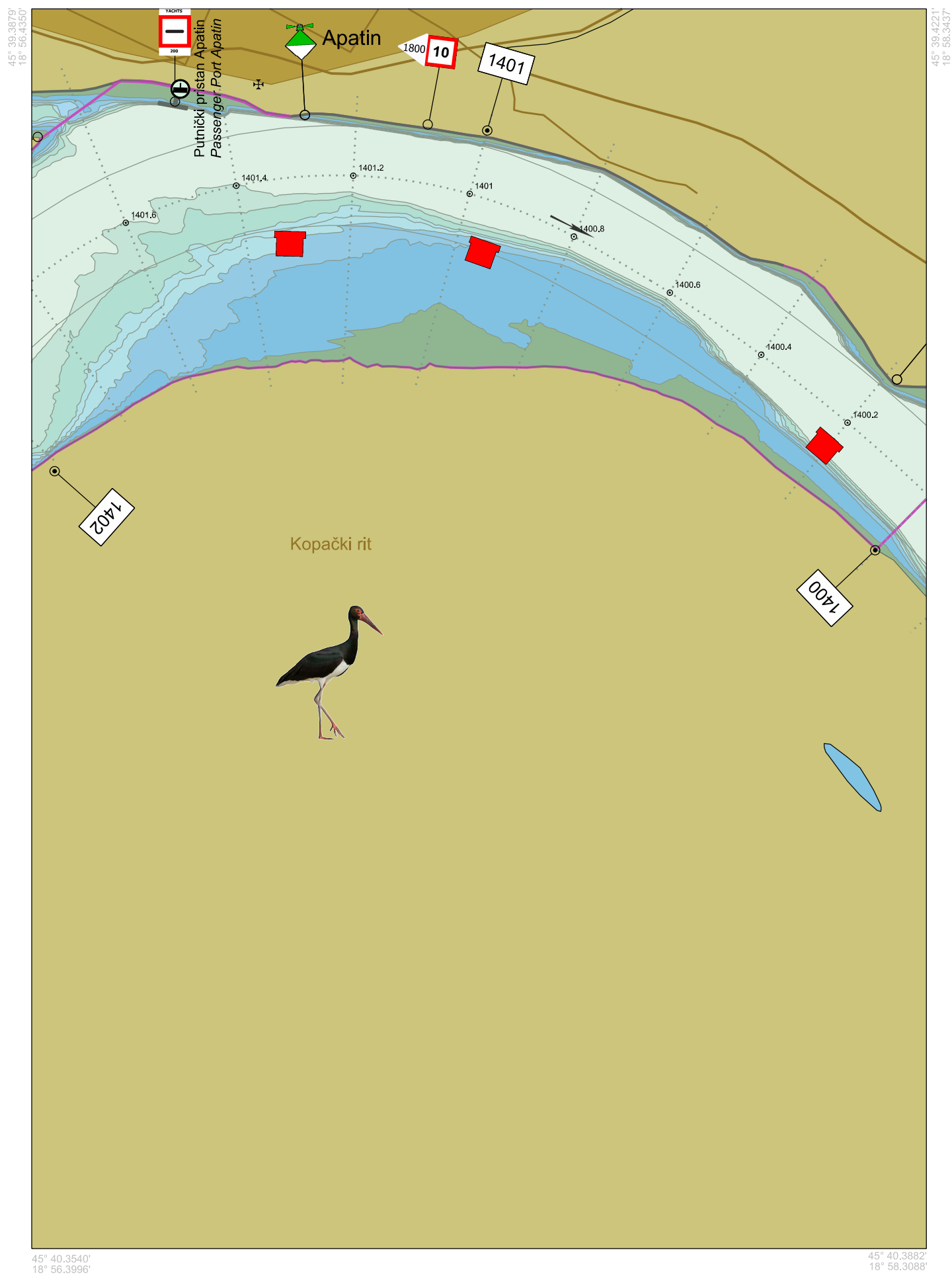
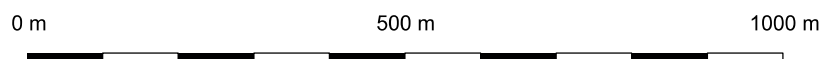
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45° 42.8408'
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45° 40.1841'
18° 58.6578'45° 40.1596'
18° 57.2798'45° 41.4981'
18° 57.2310'45° 41.5226'
18° 58.6095'



45° 40.3540'
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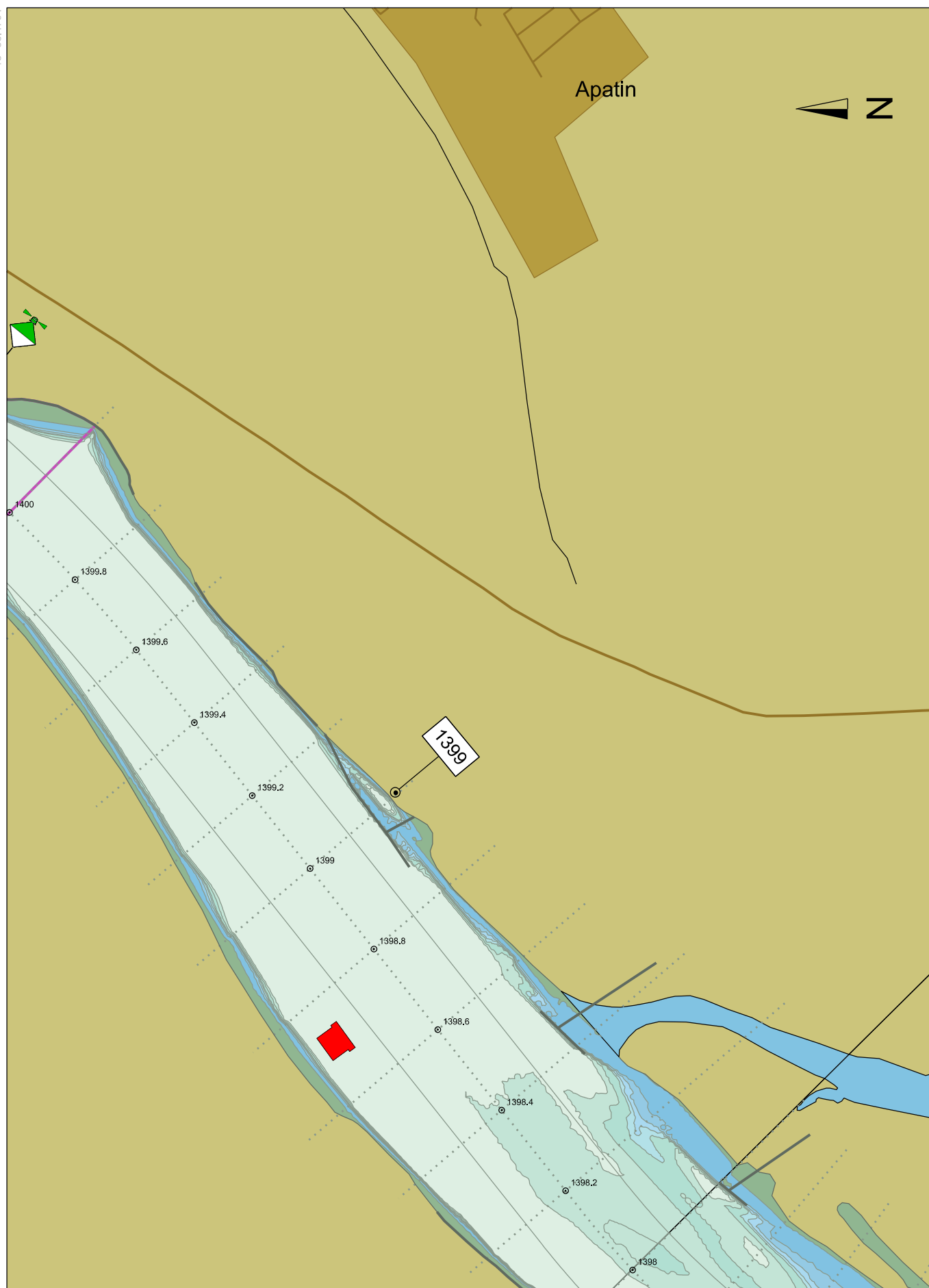


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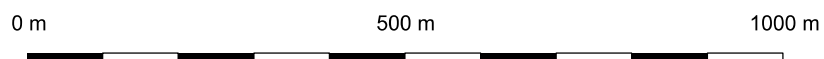
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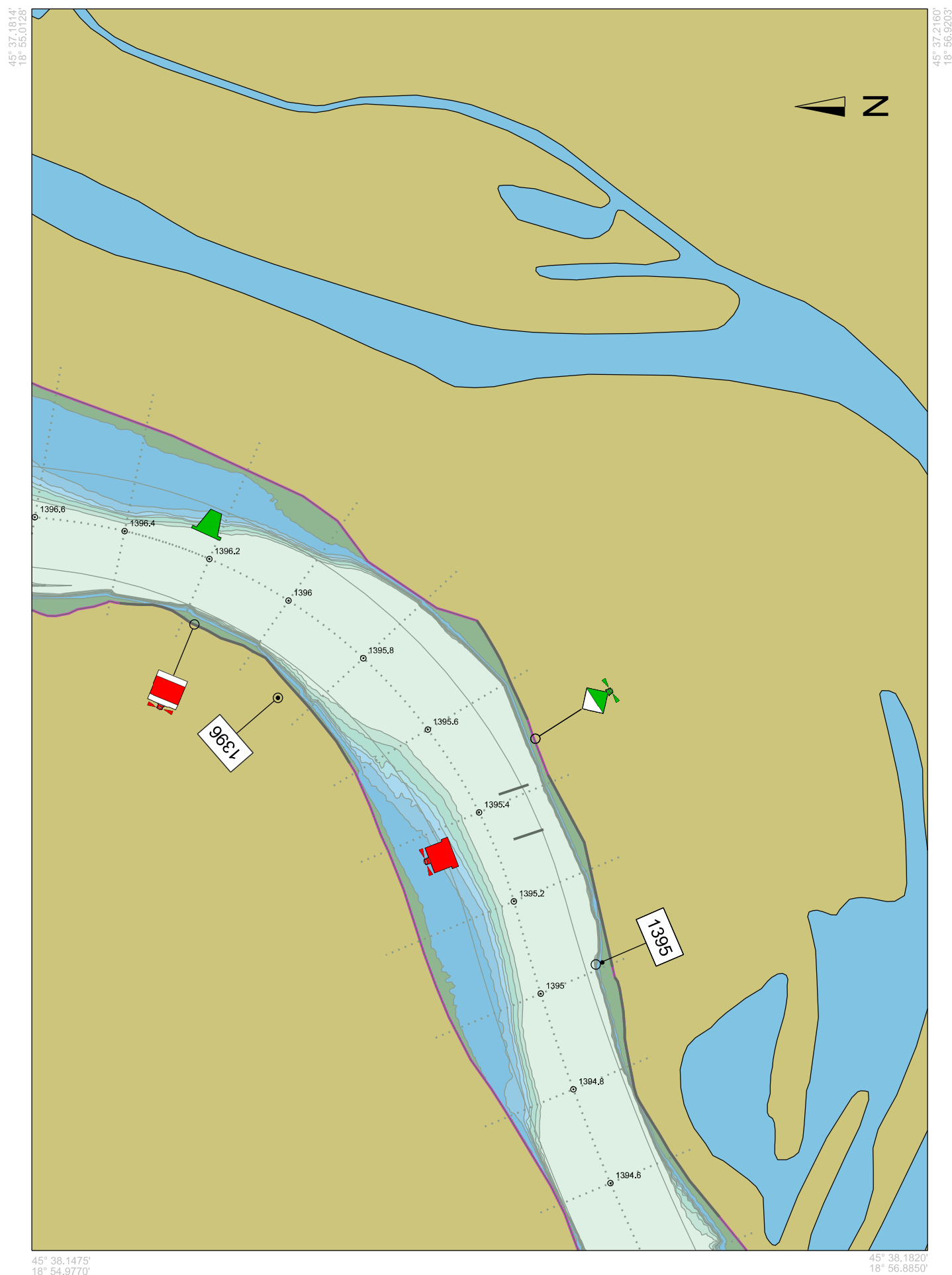
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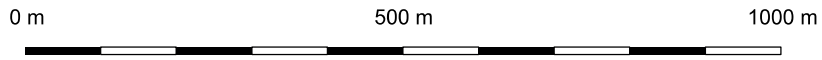


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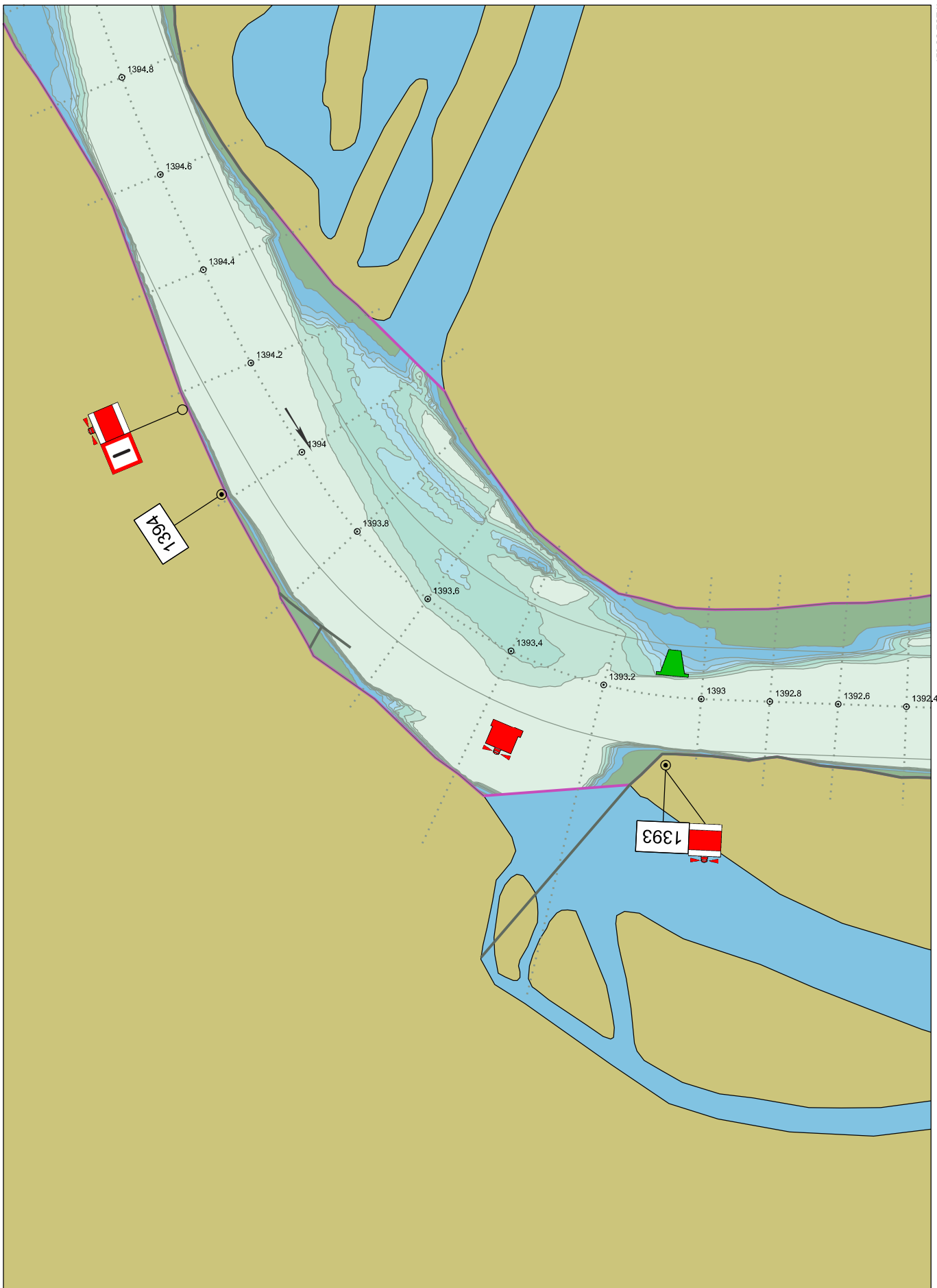






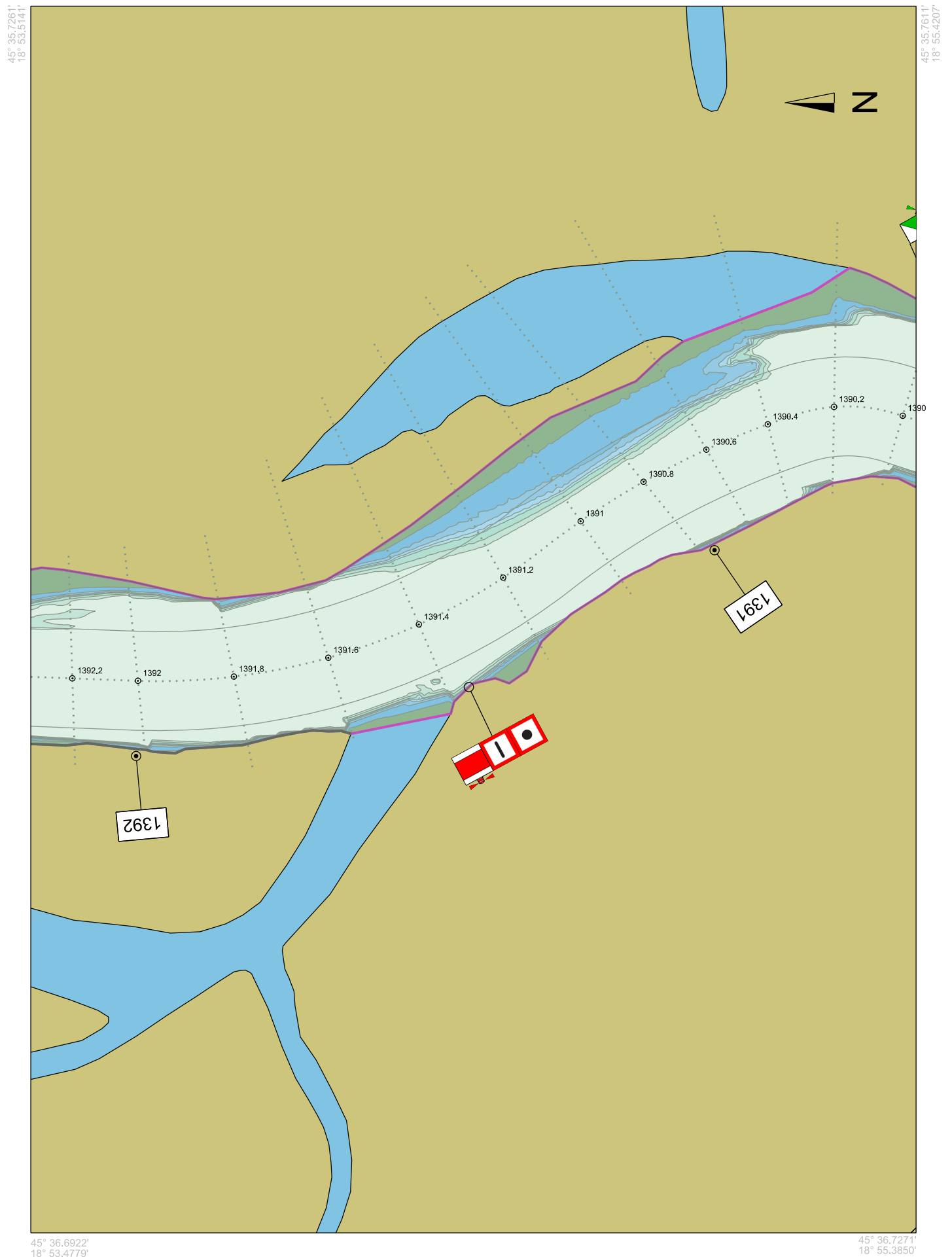
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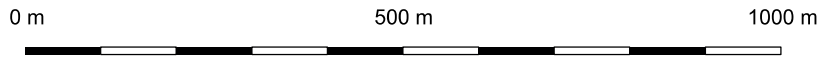
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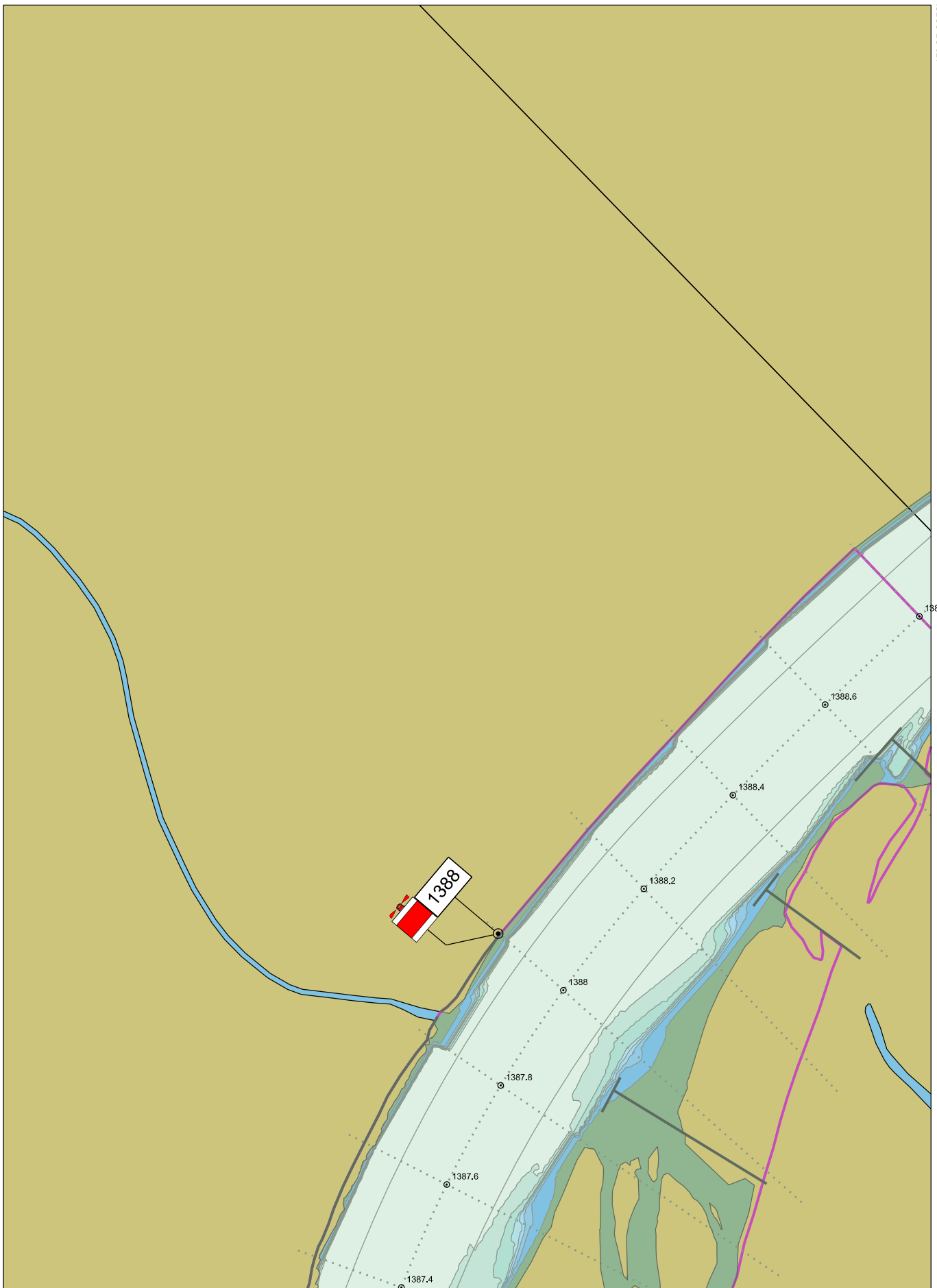
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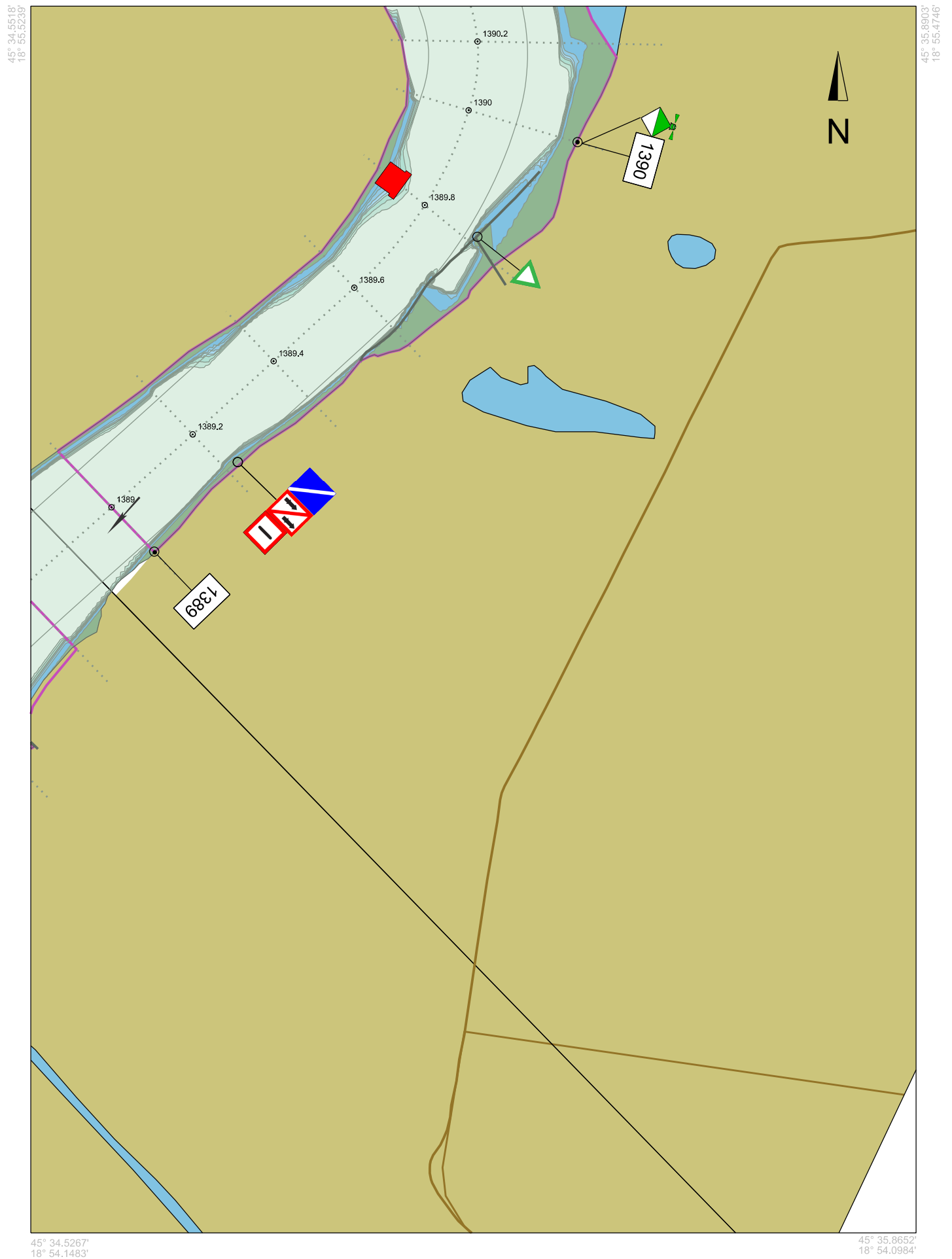
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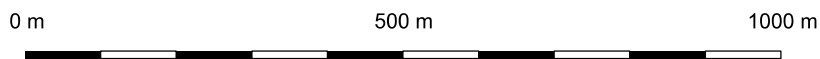
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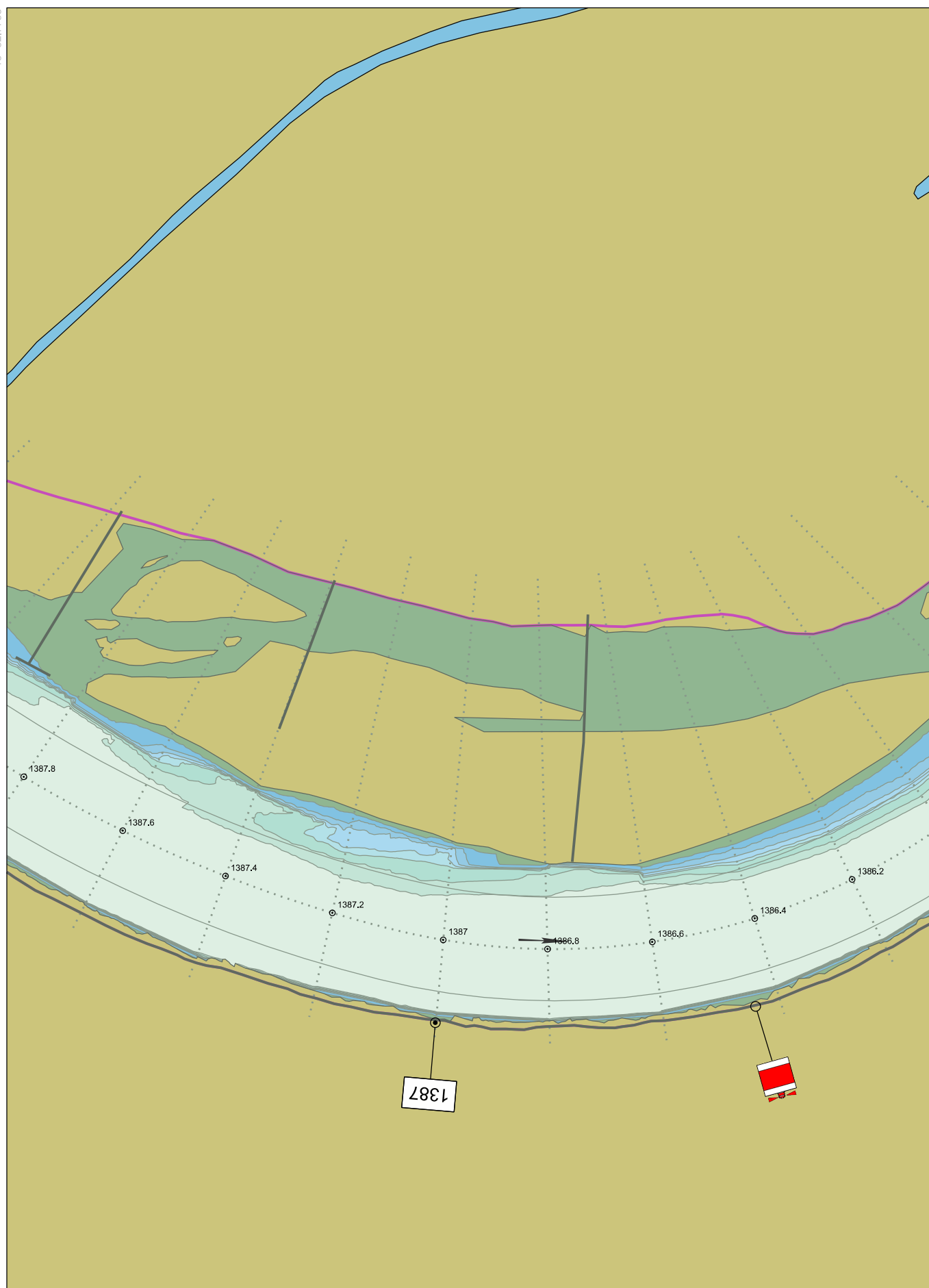
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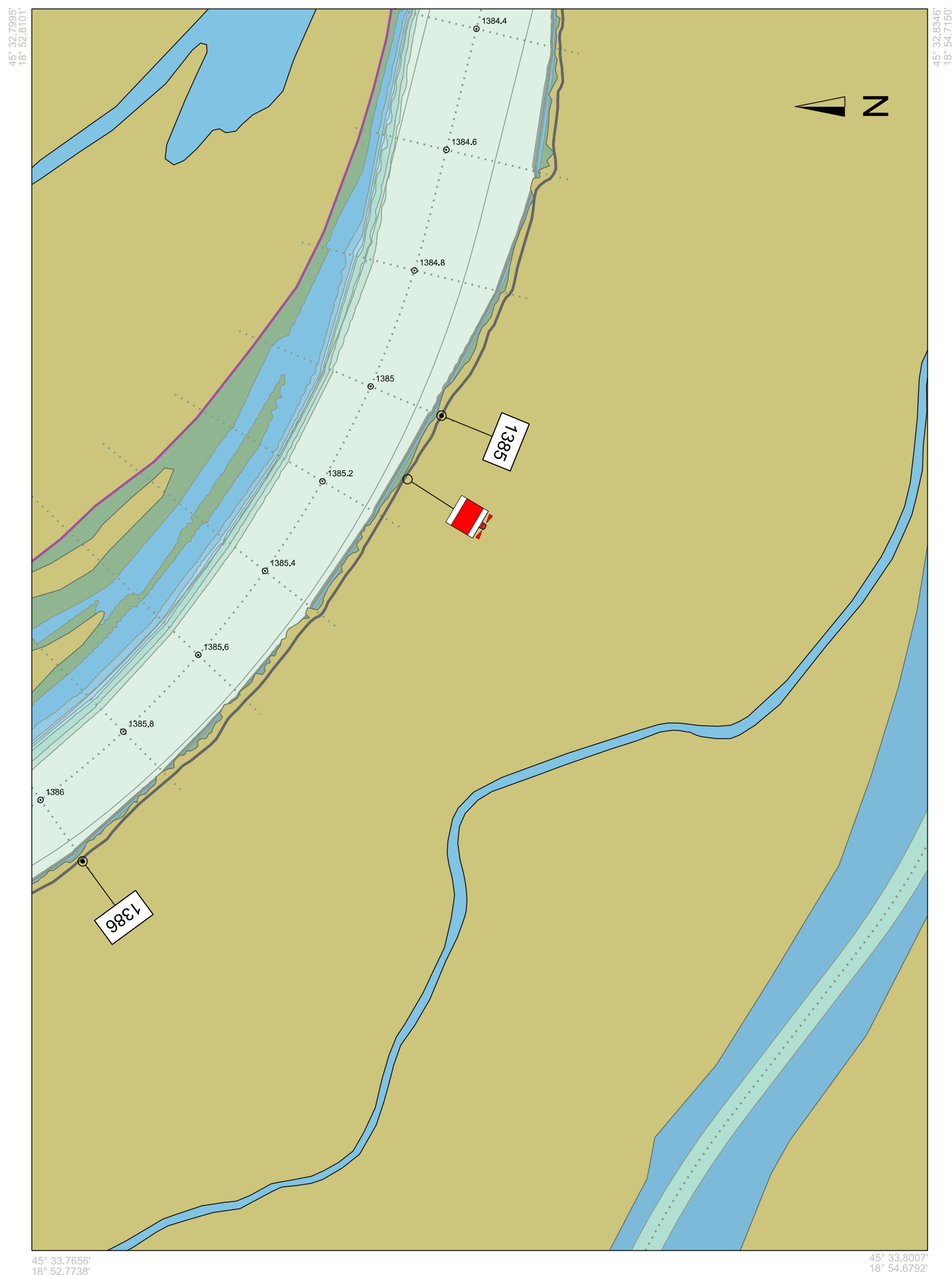
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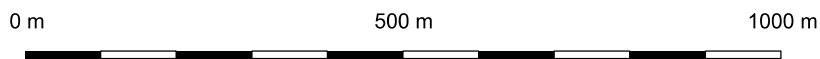
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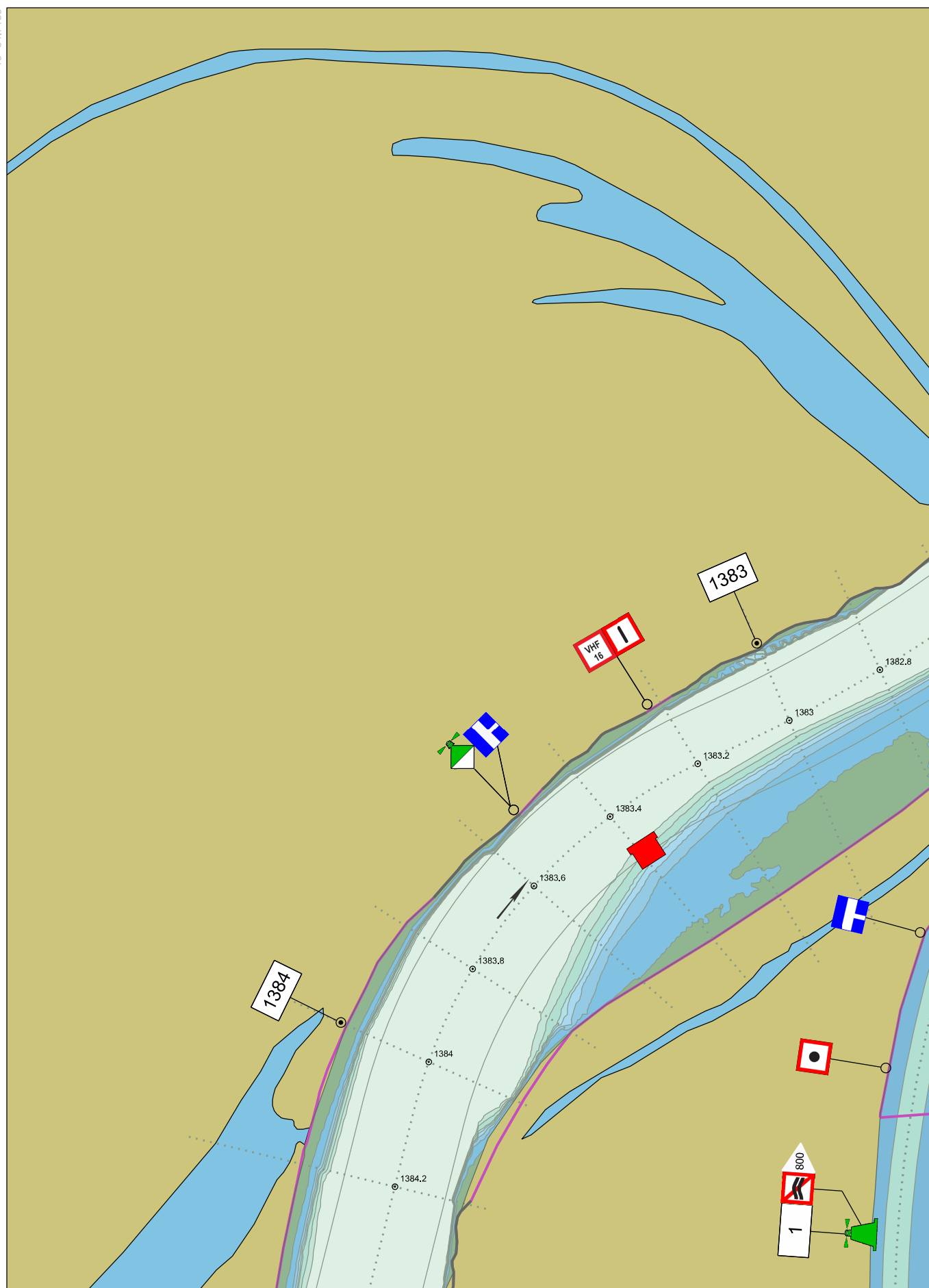
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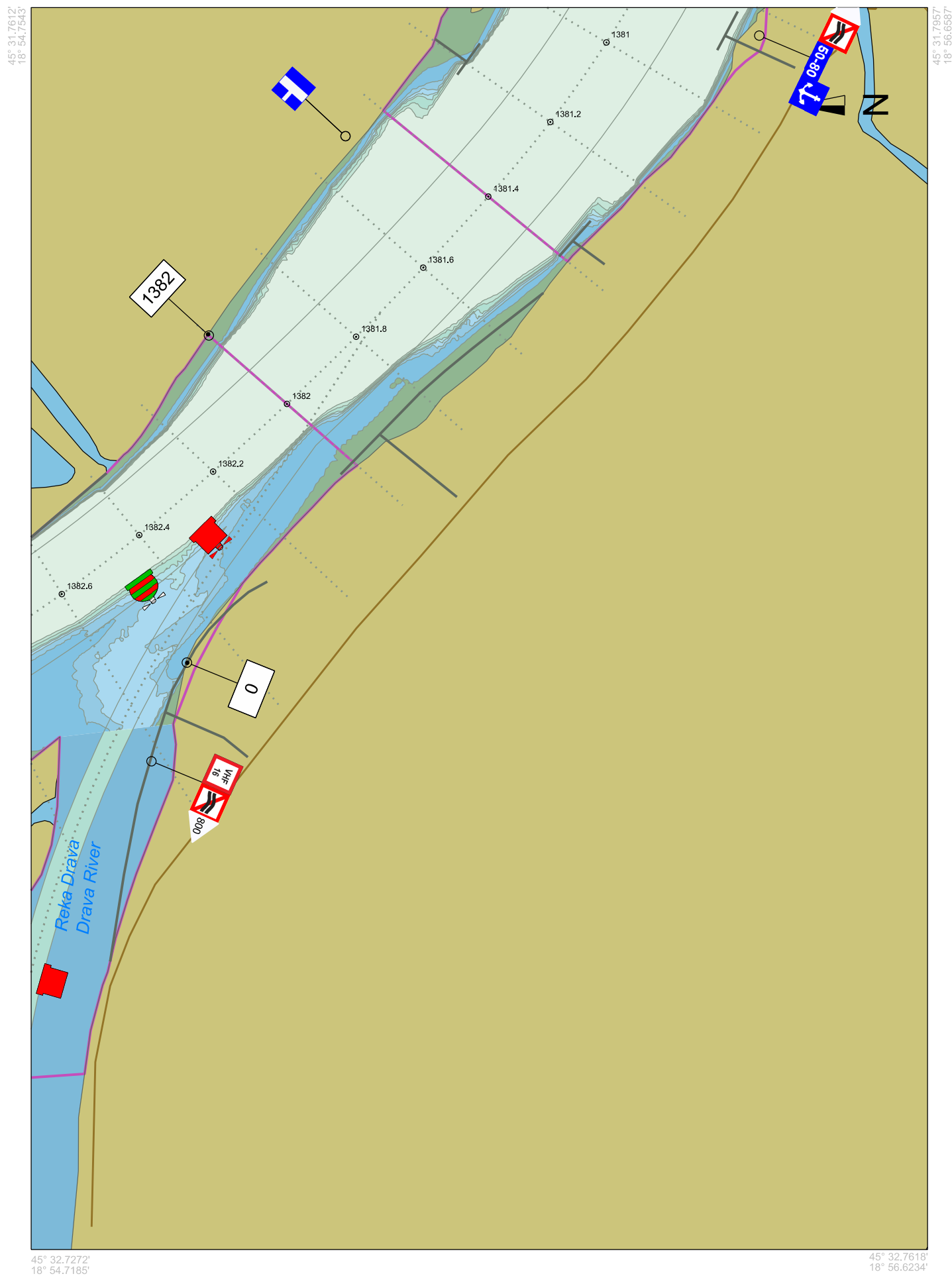
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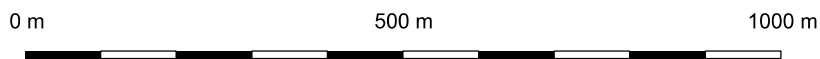
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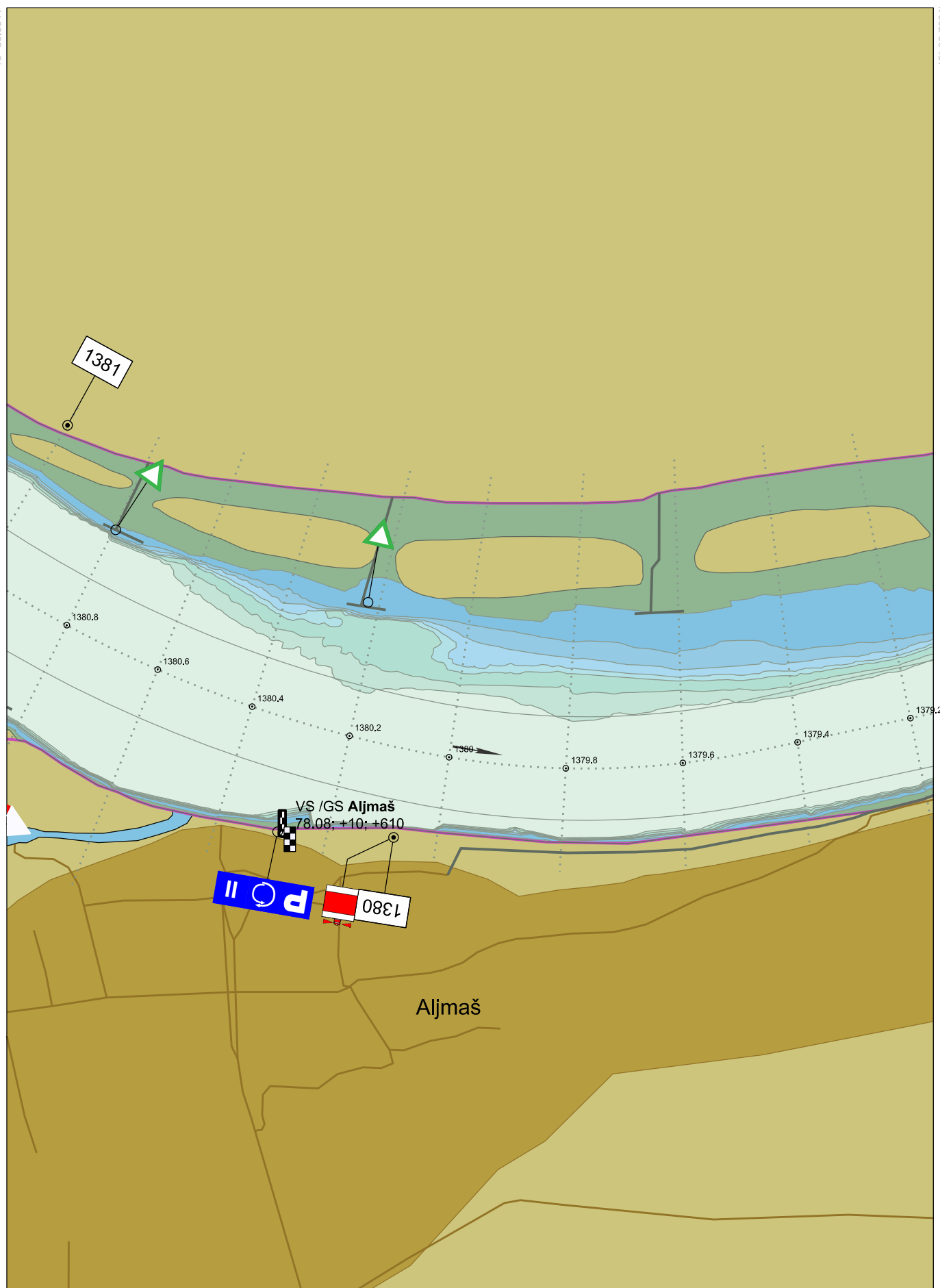
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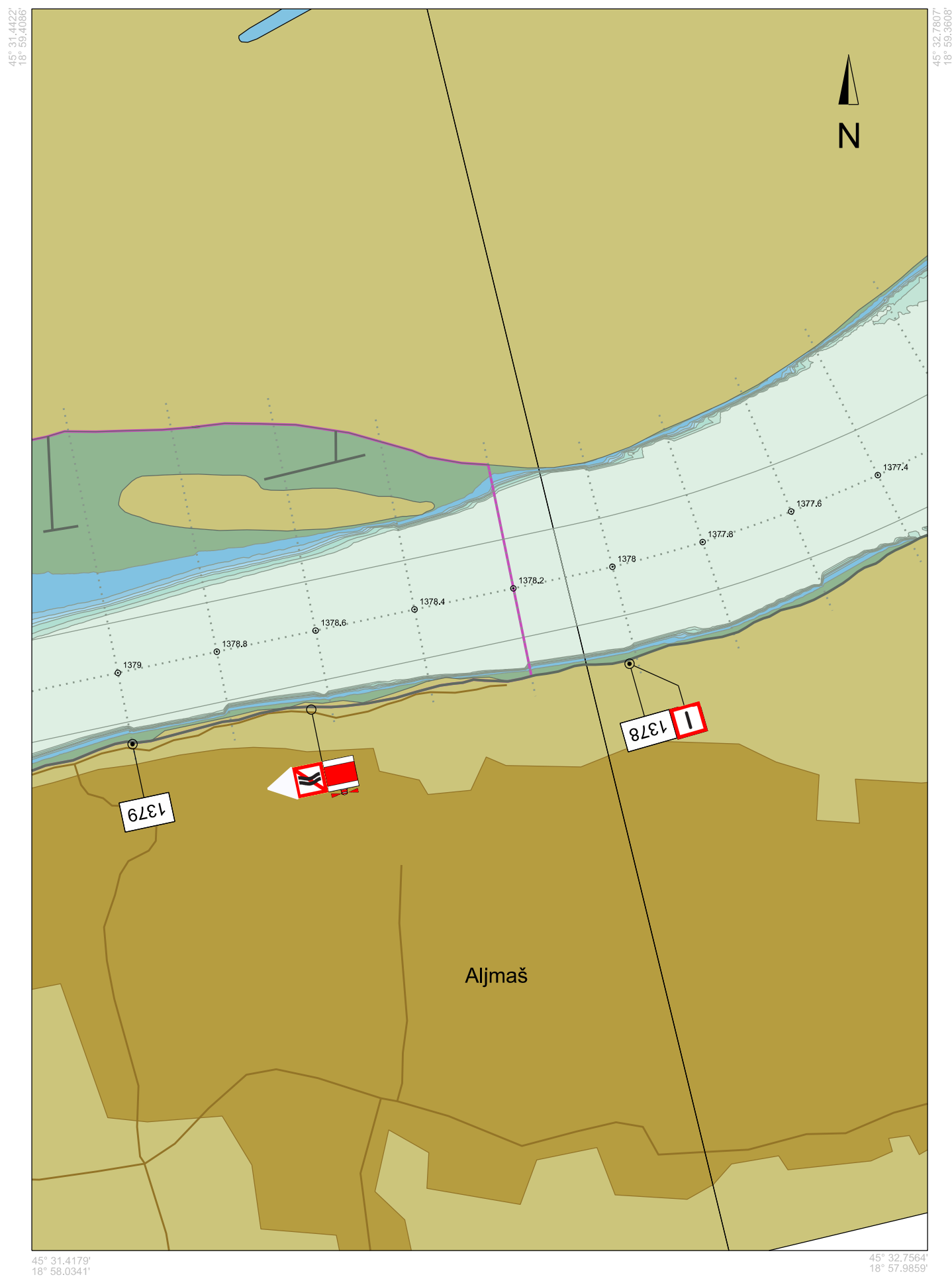
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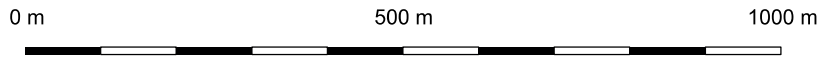
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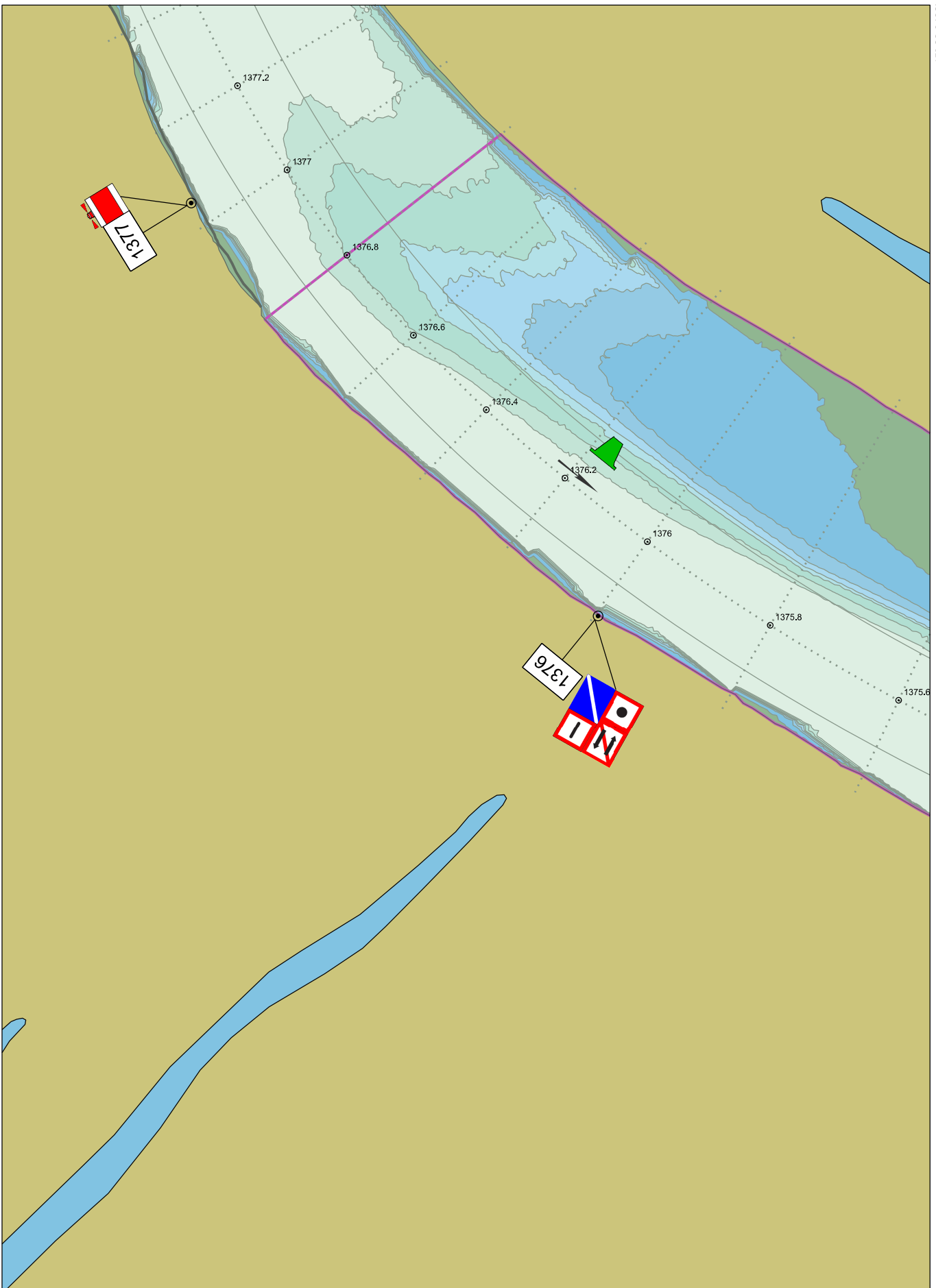
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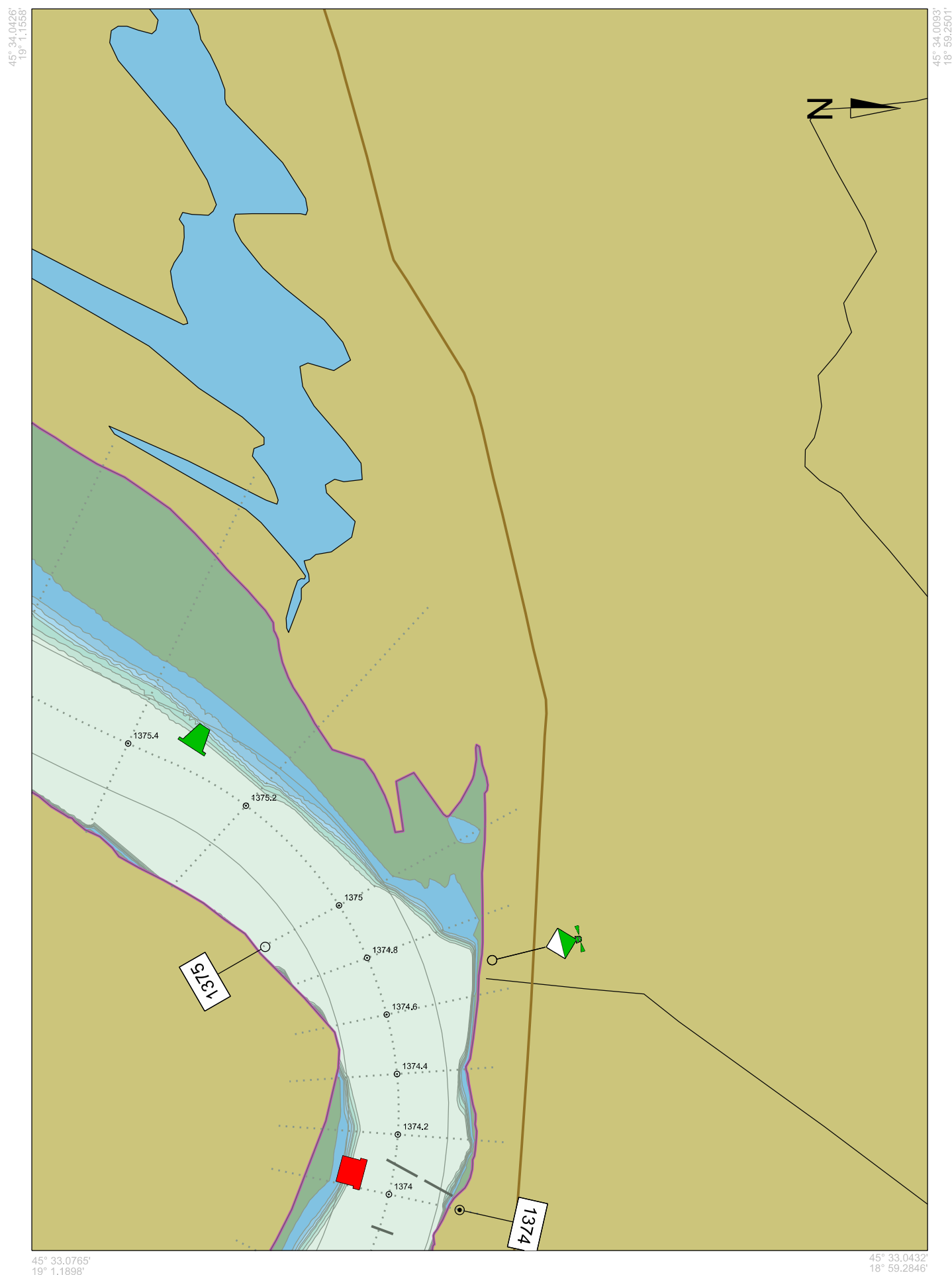
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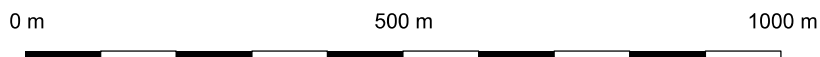
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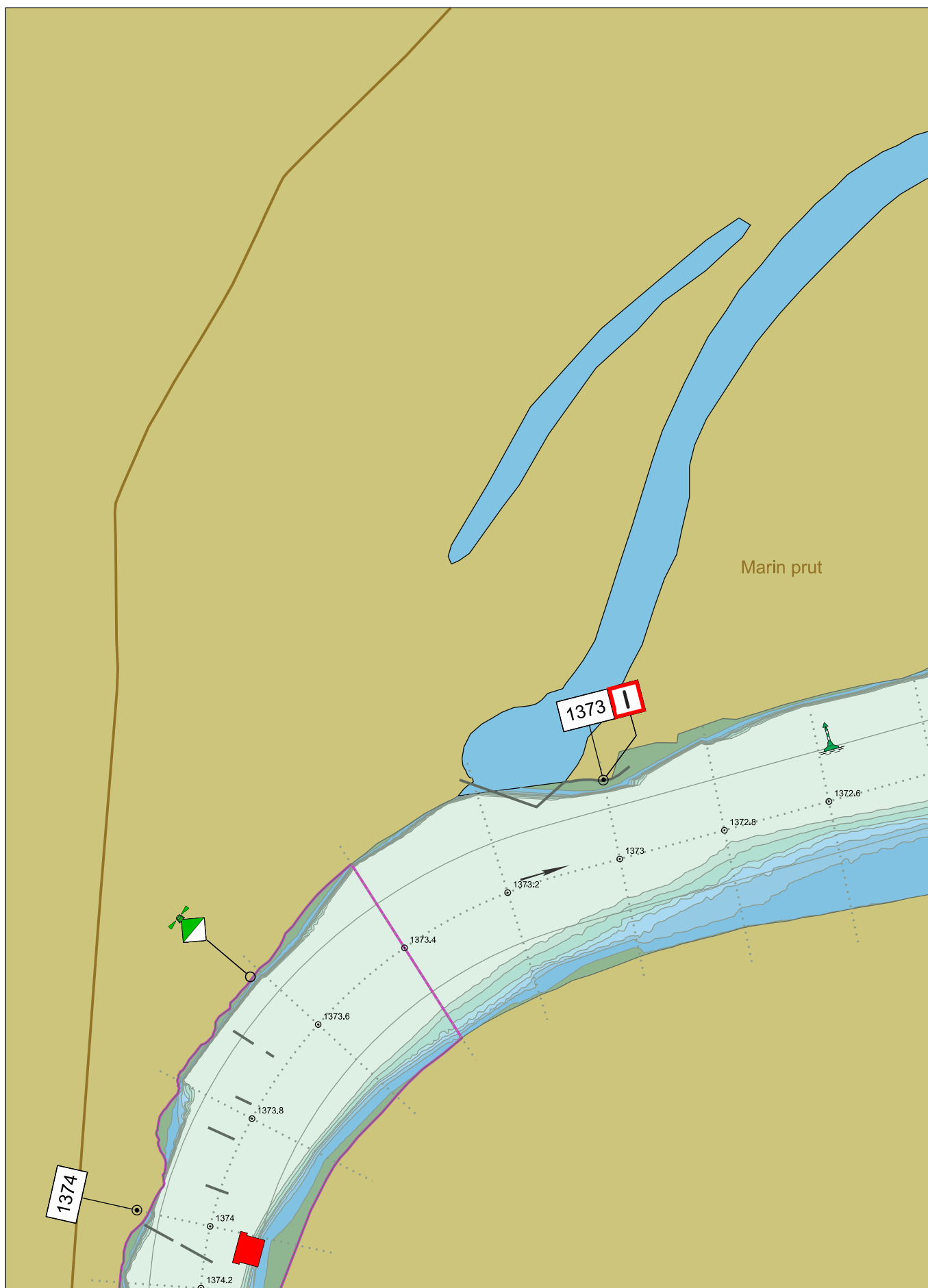
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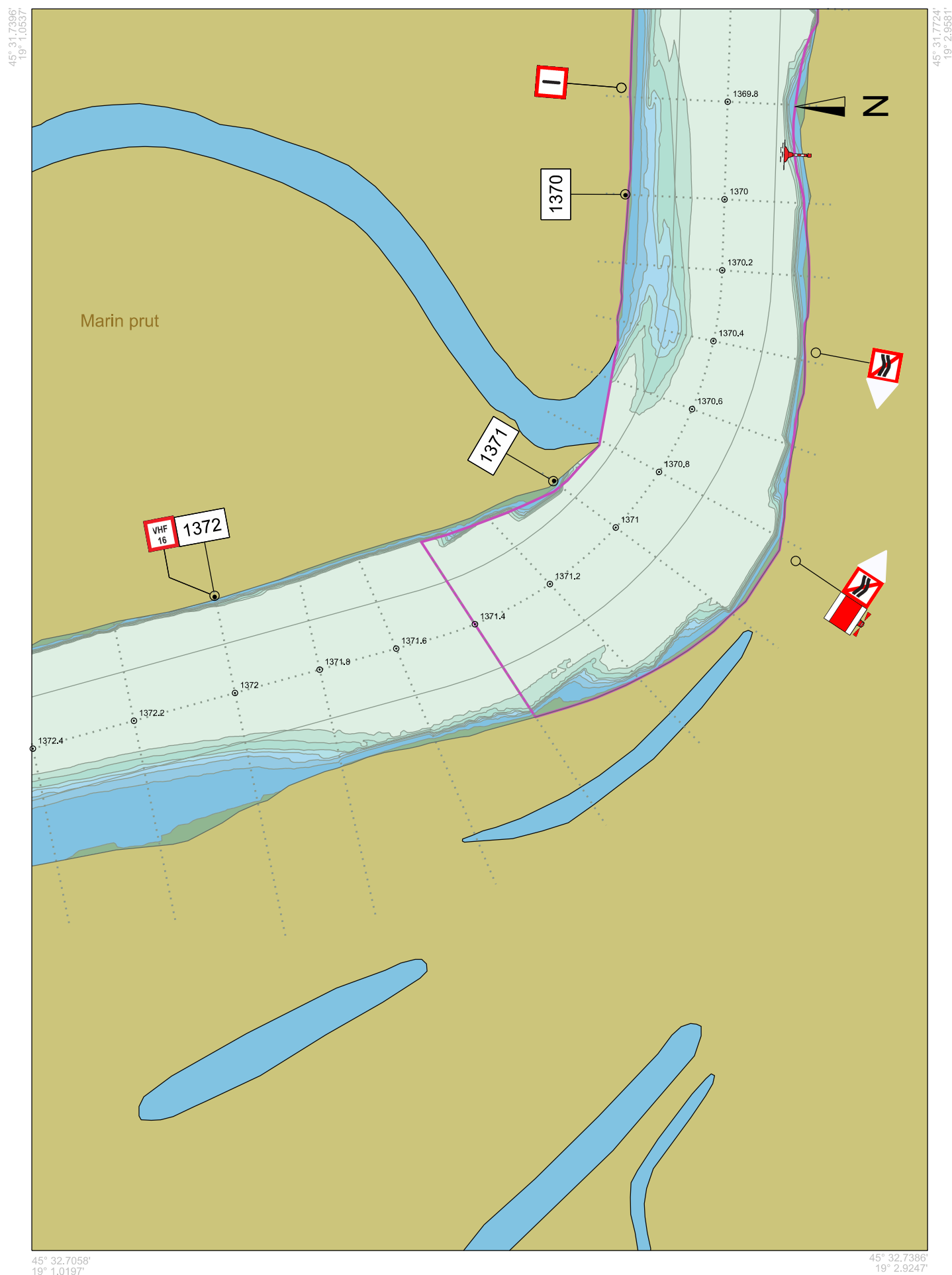
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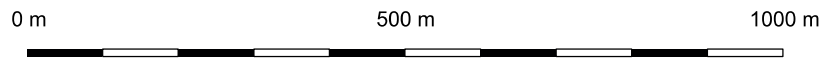
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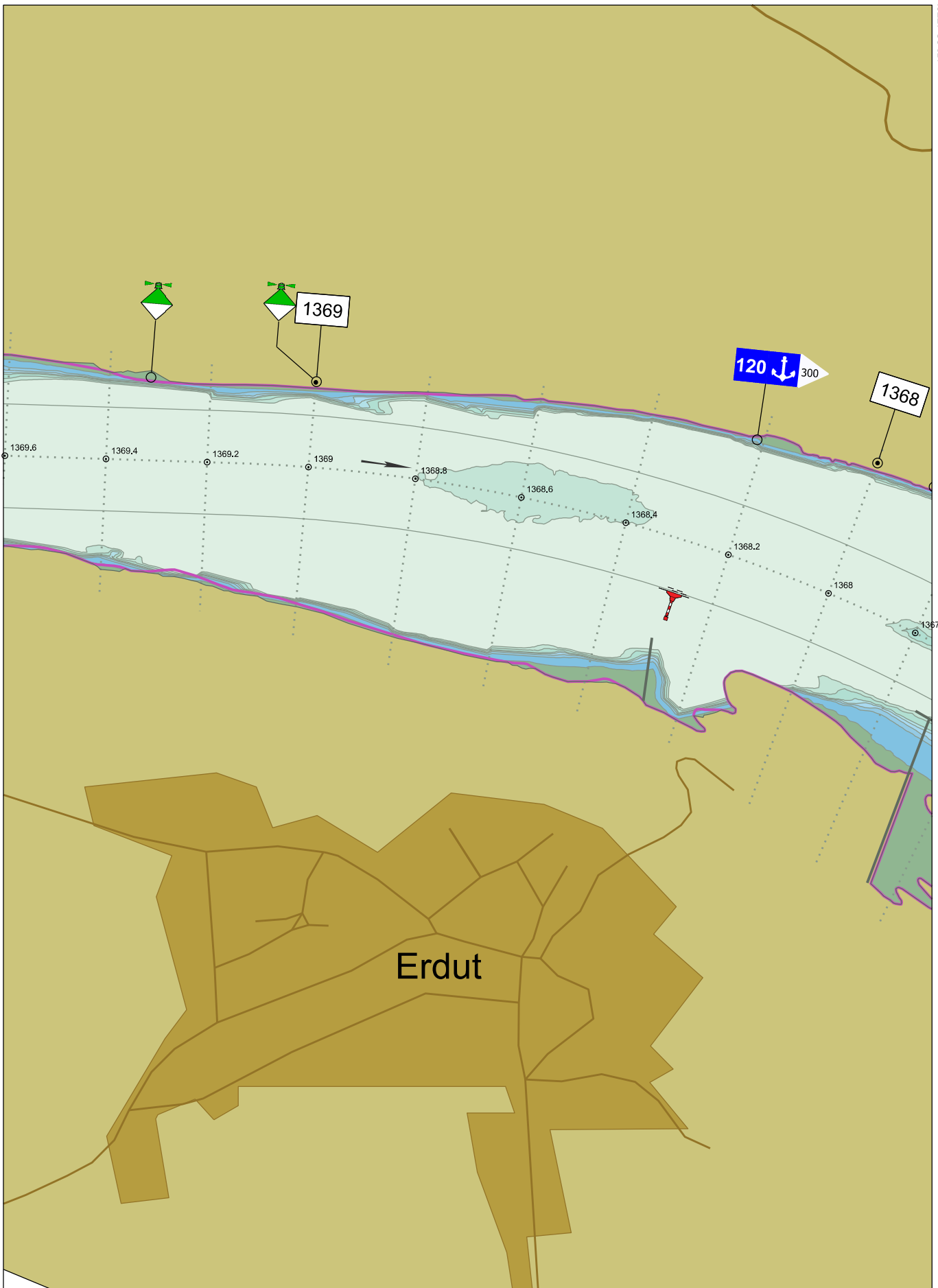
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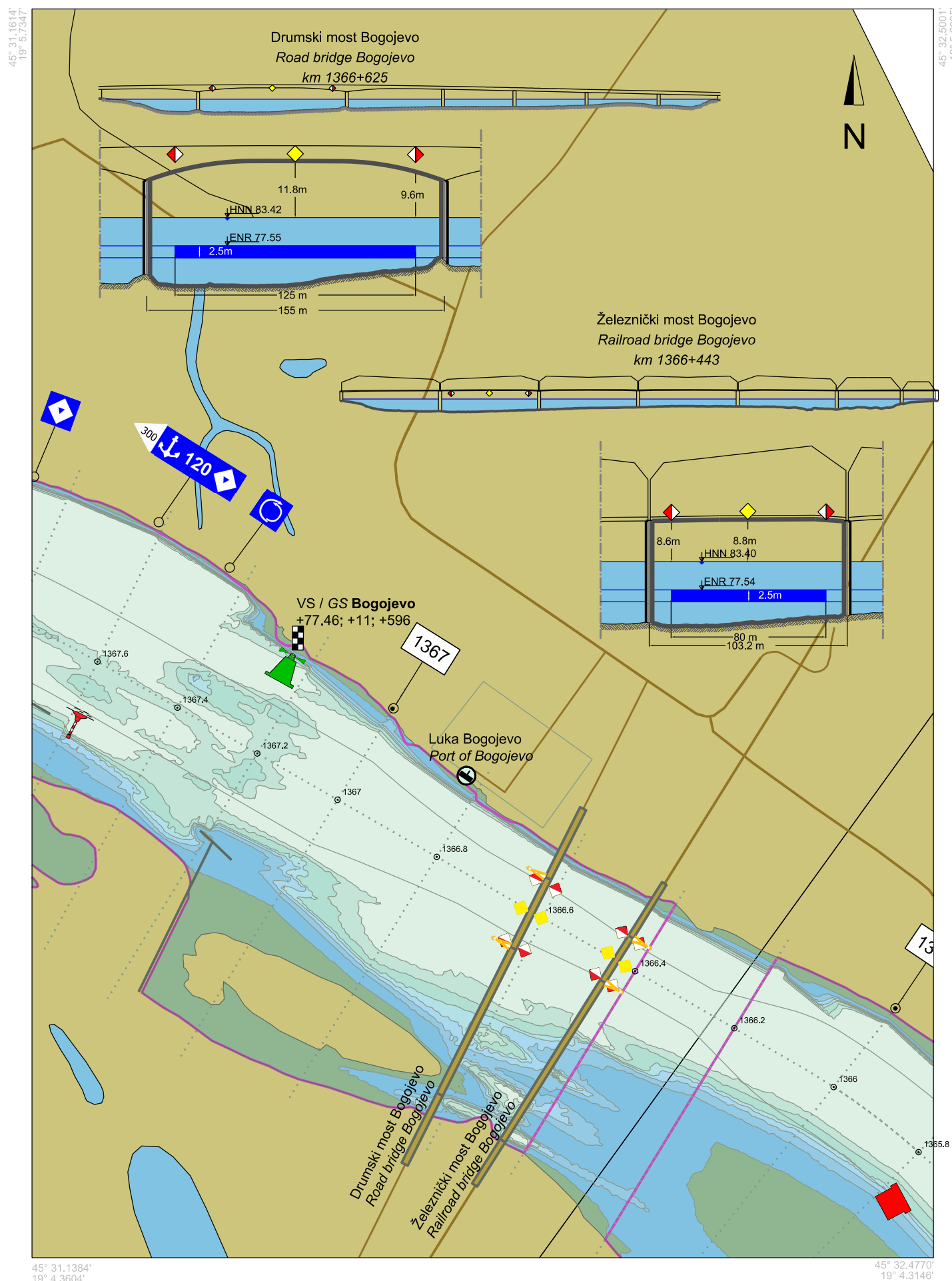
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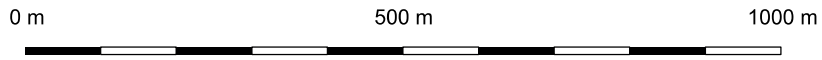
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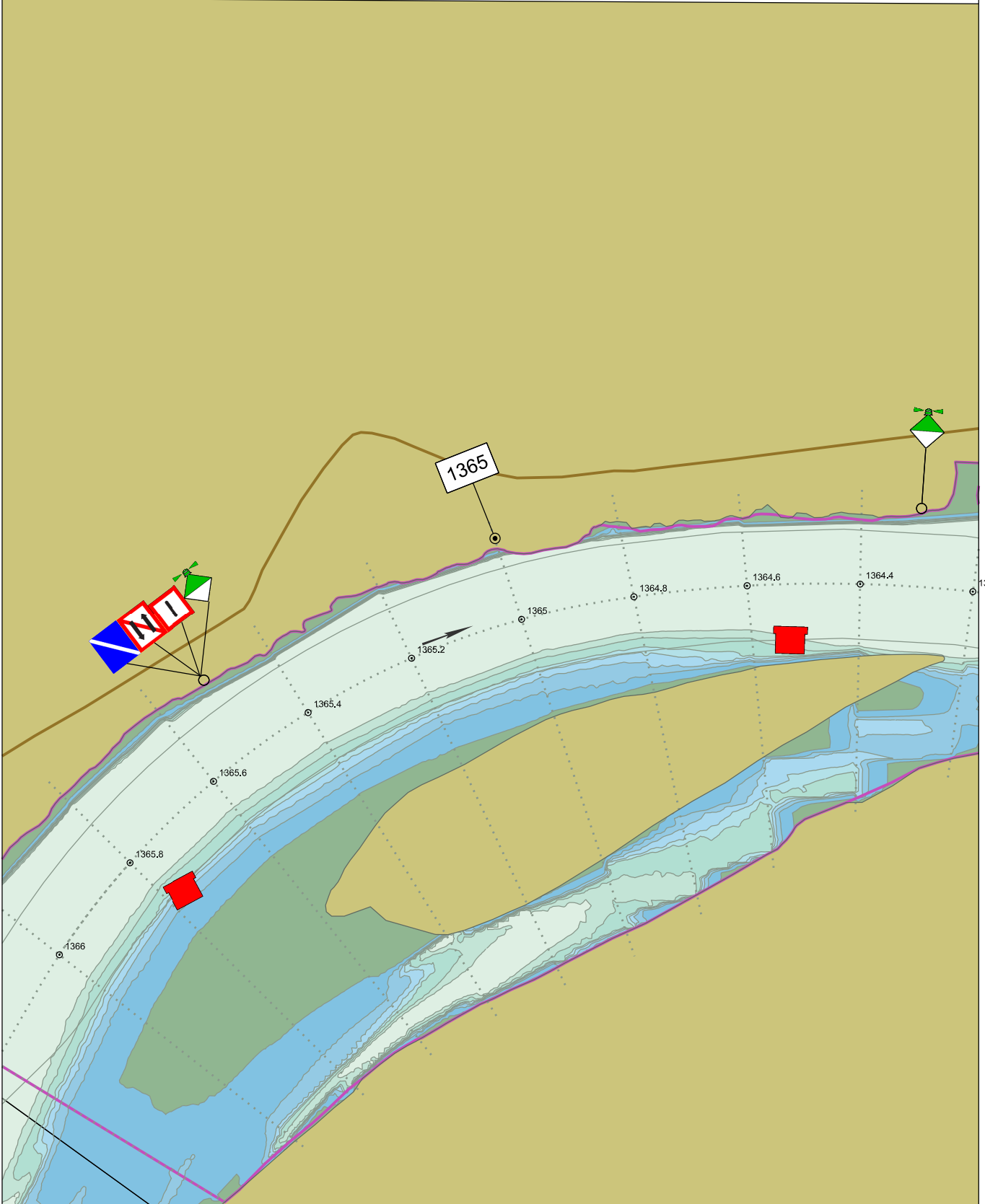
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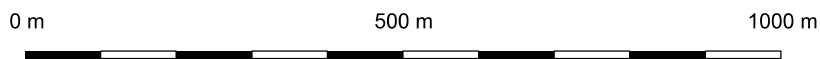
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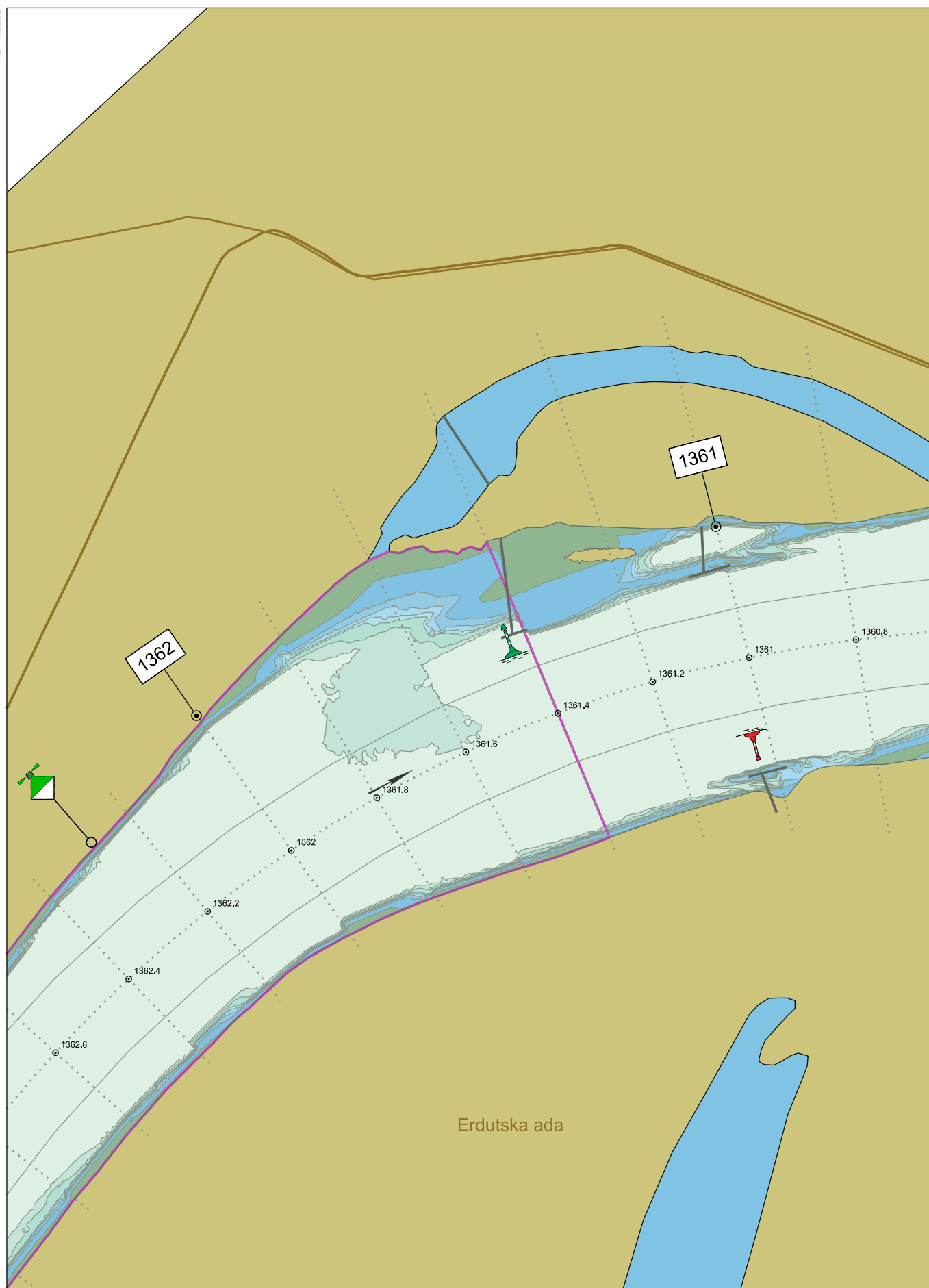
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19° 7.1570'



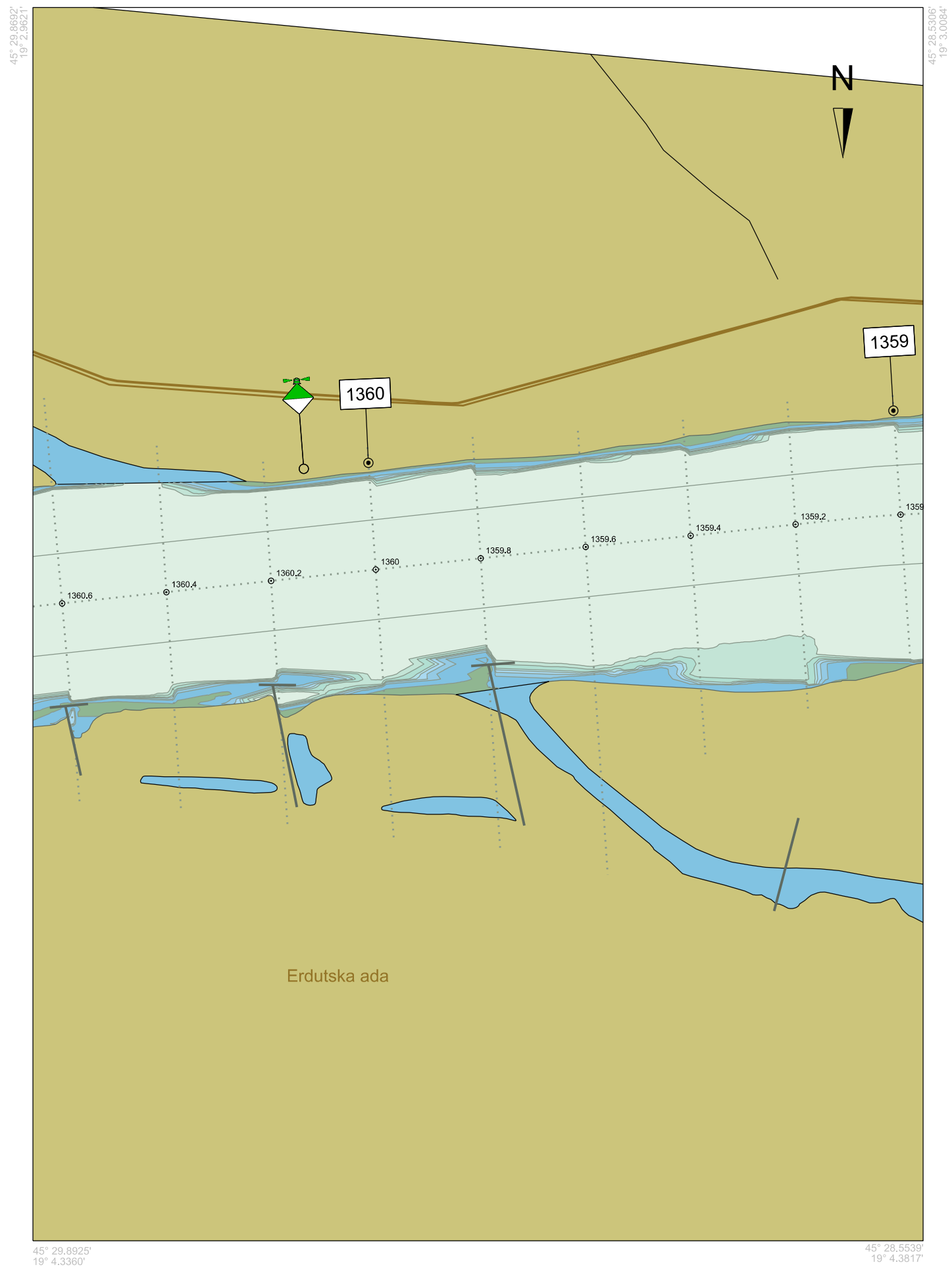
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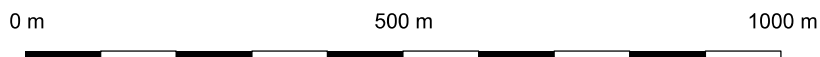
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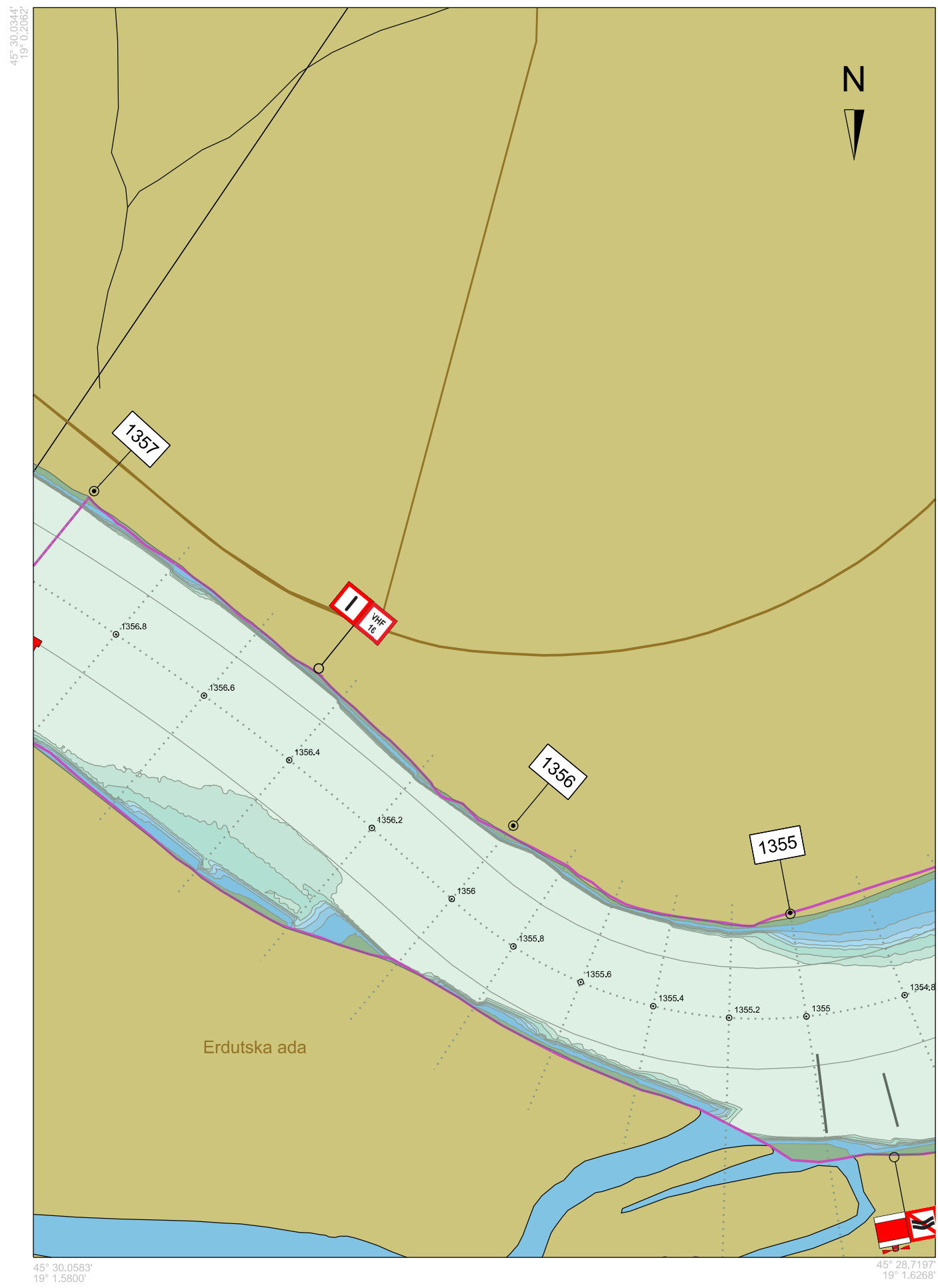
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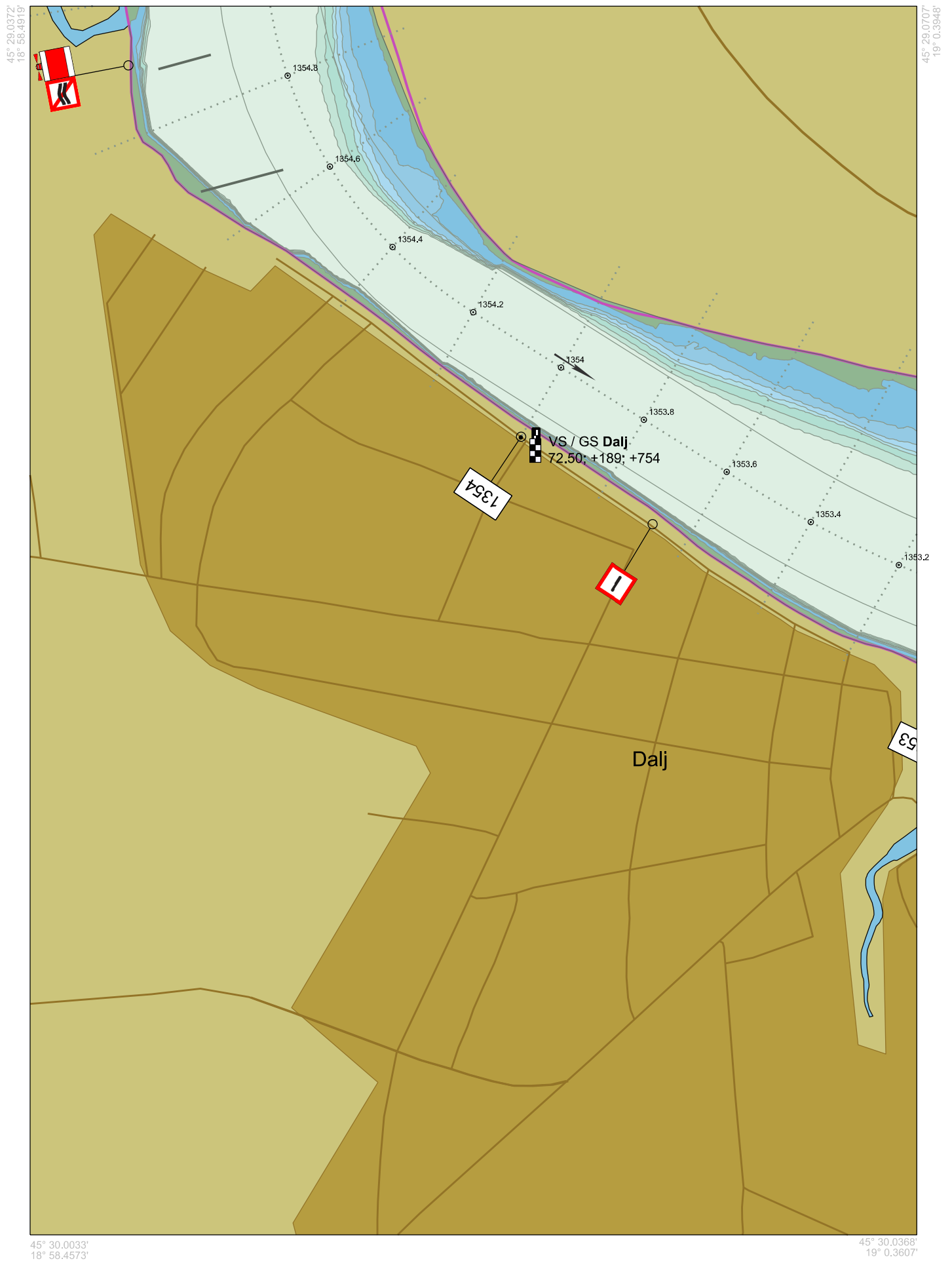
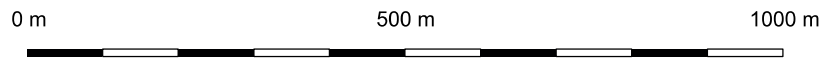
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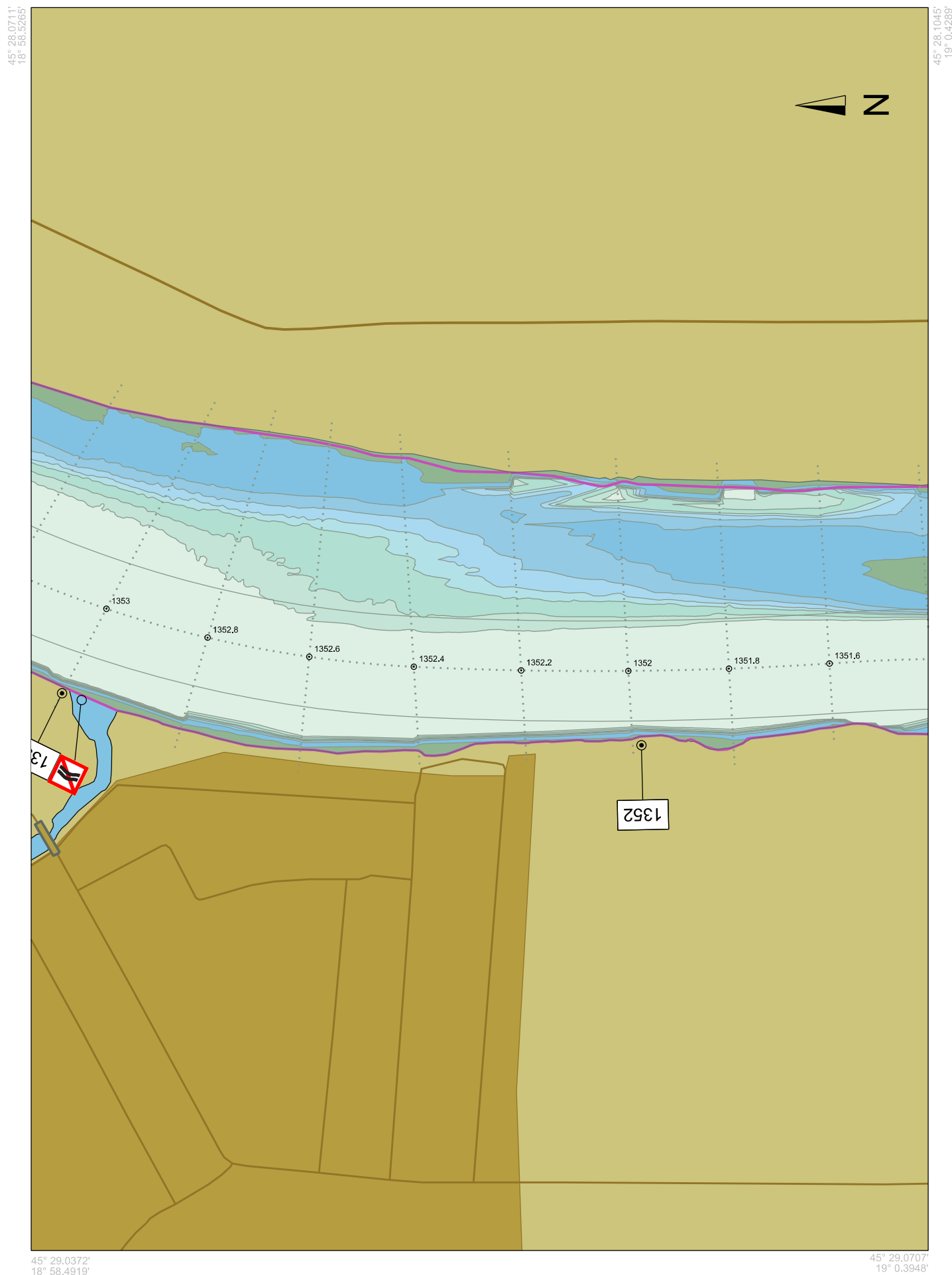
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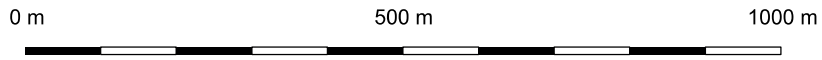




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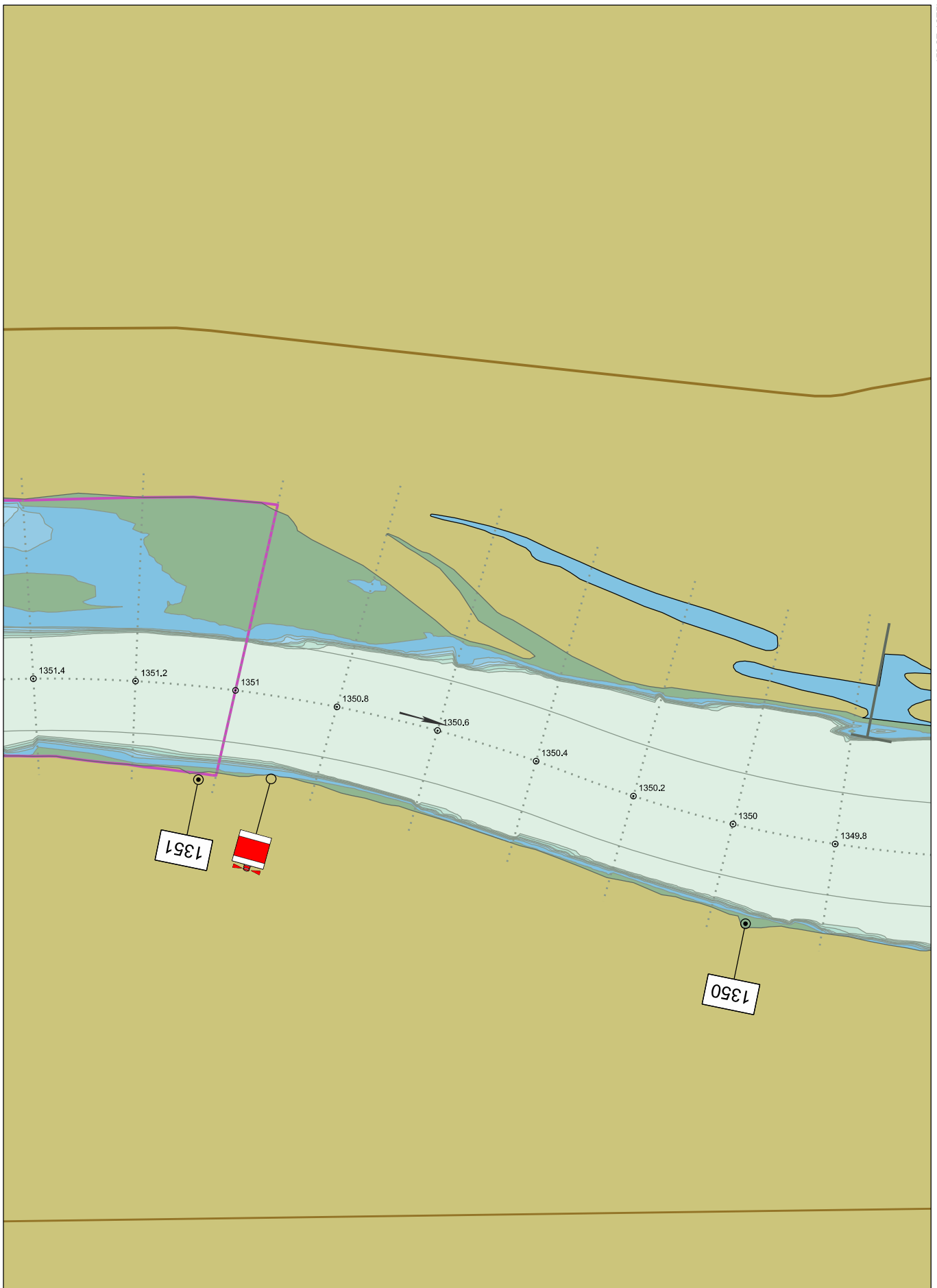
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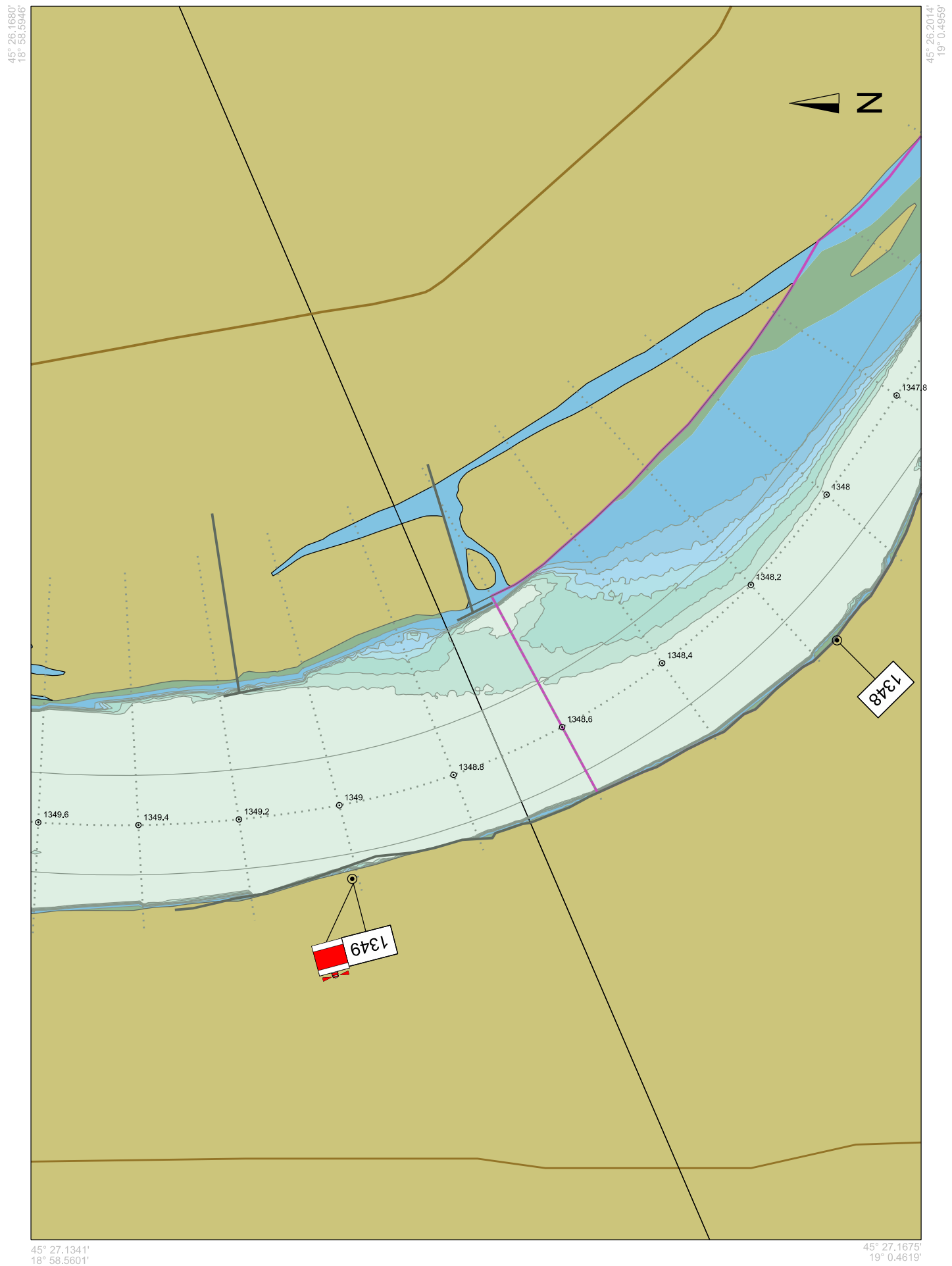
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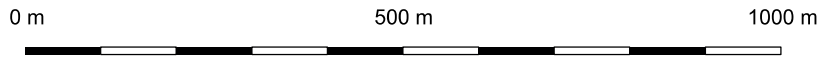
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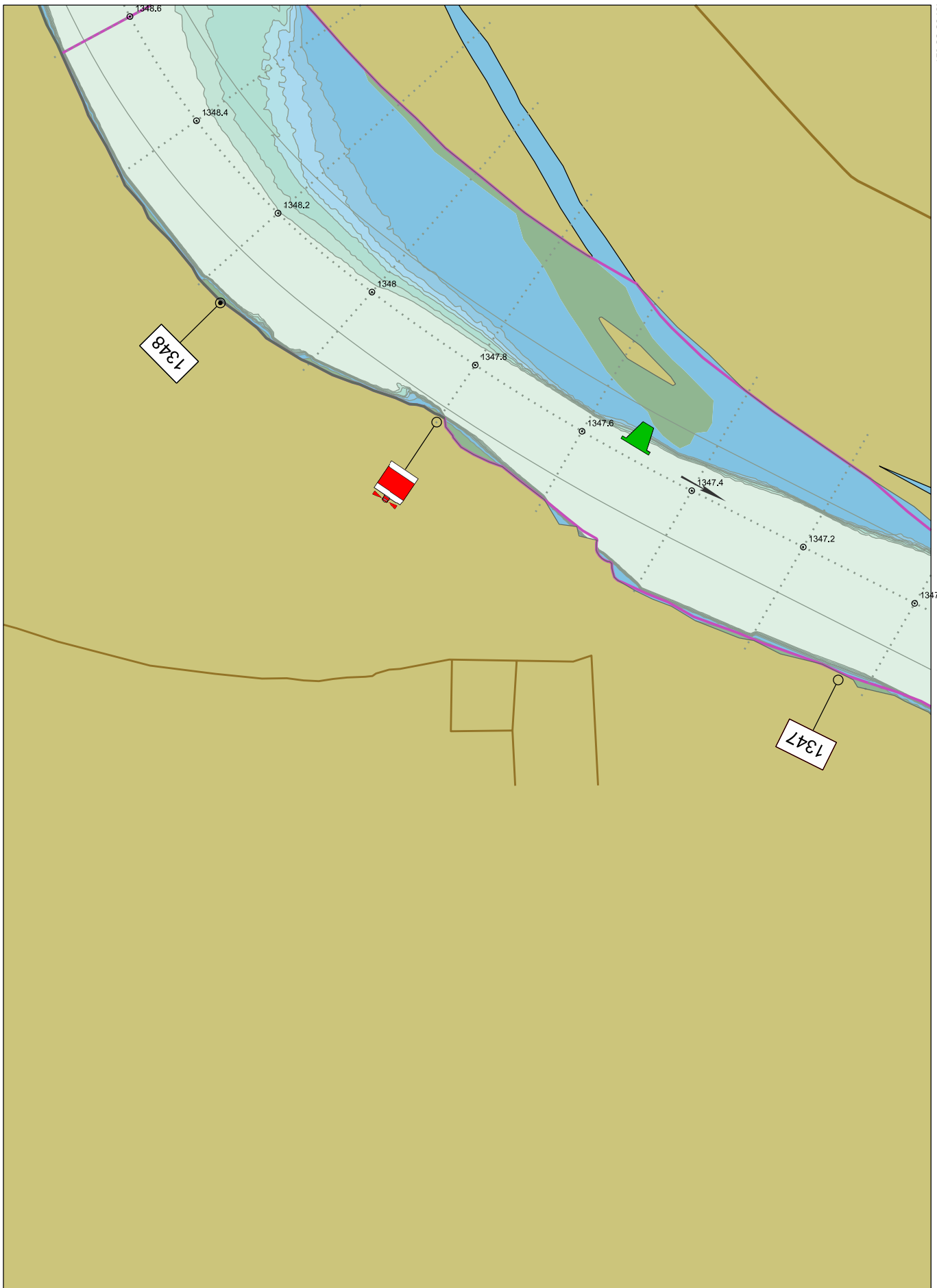
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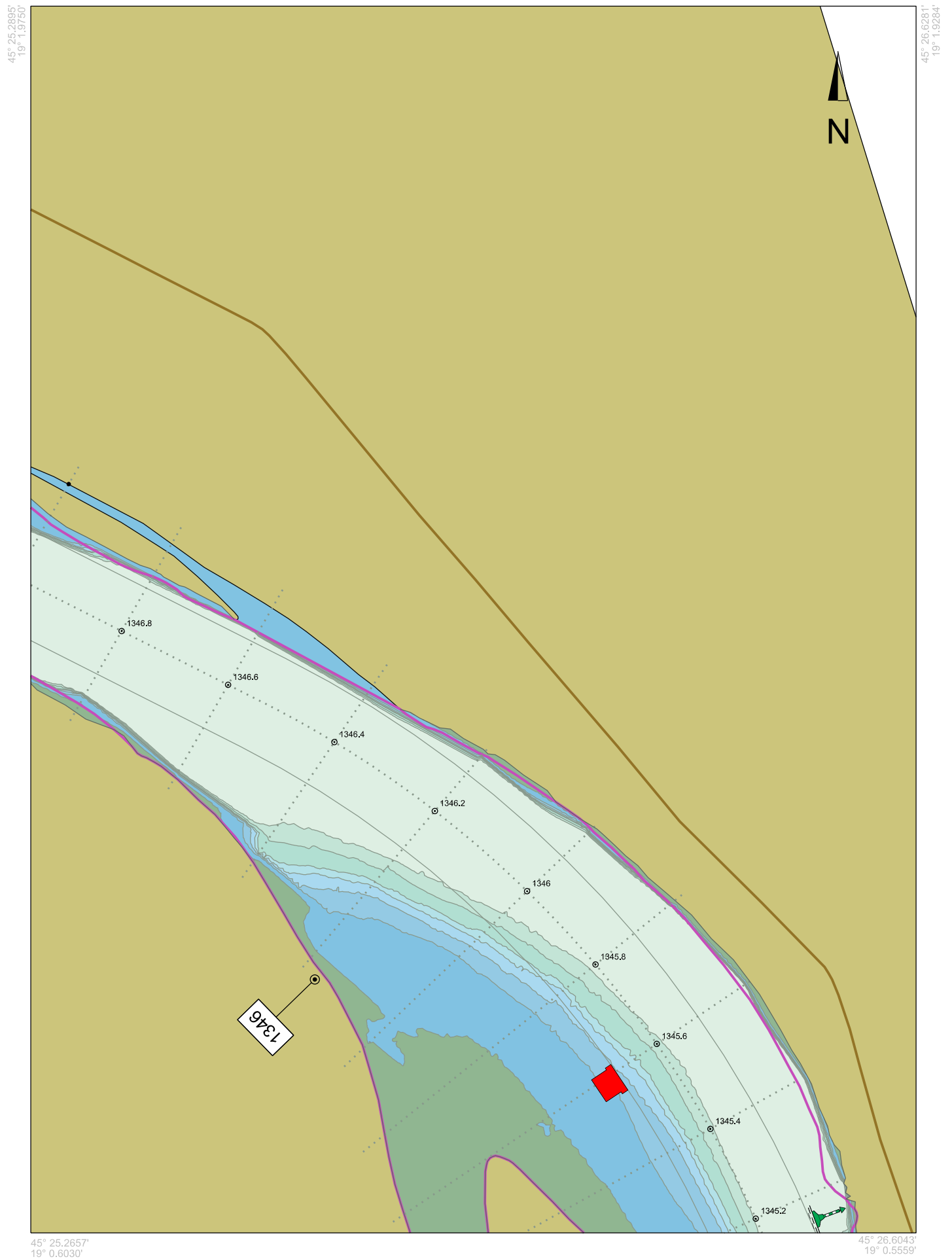
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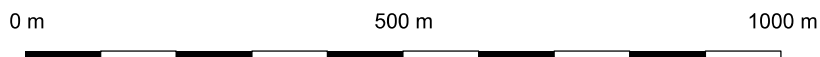
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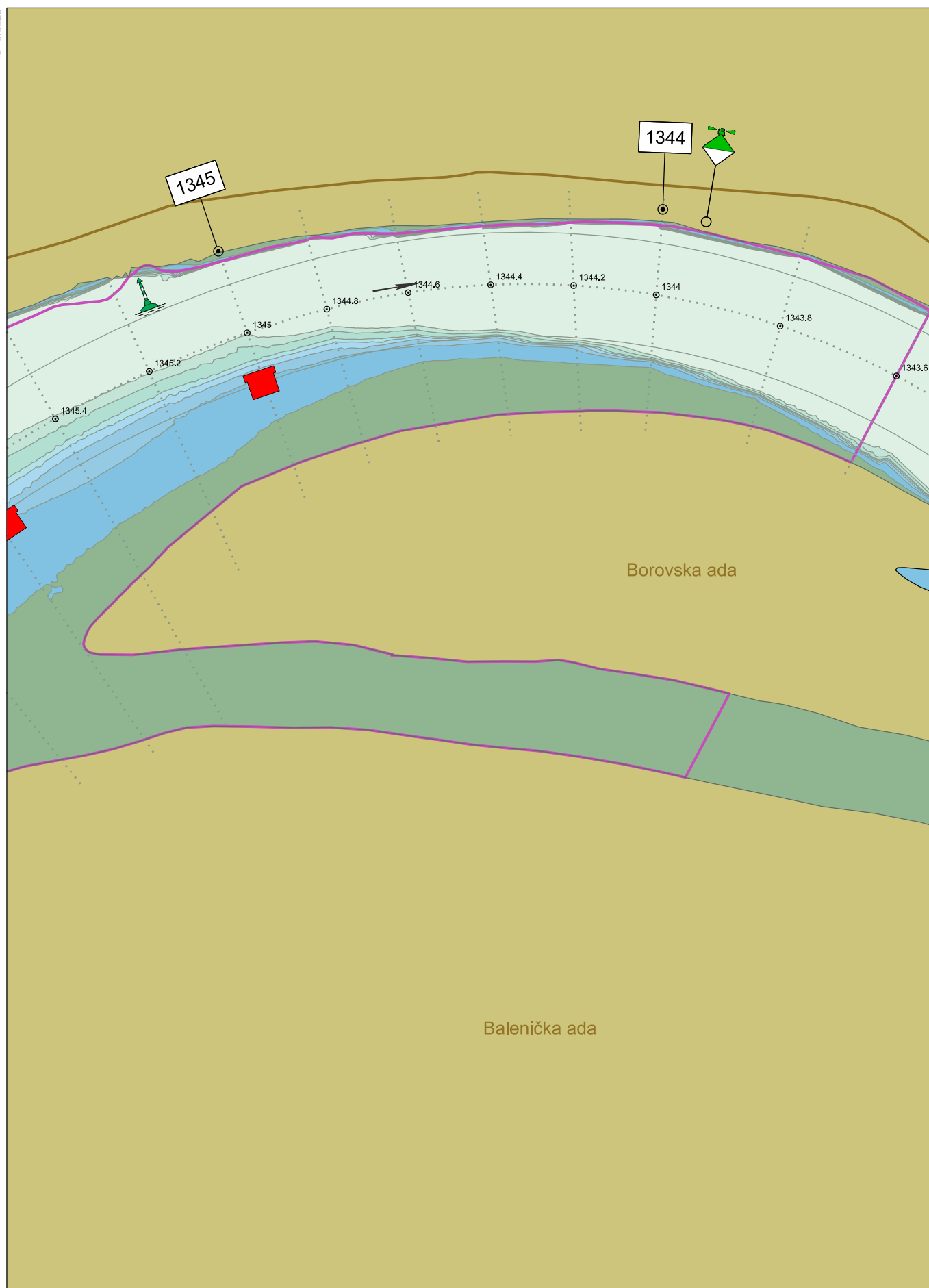
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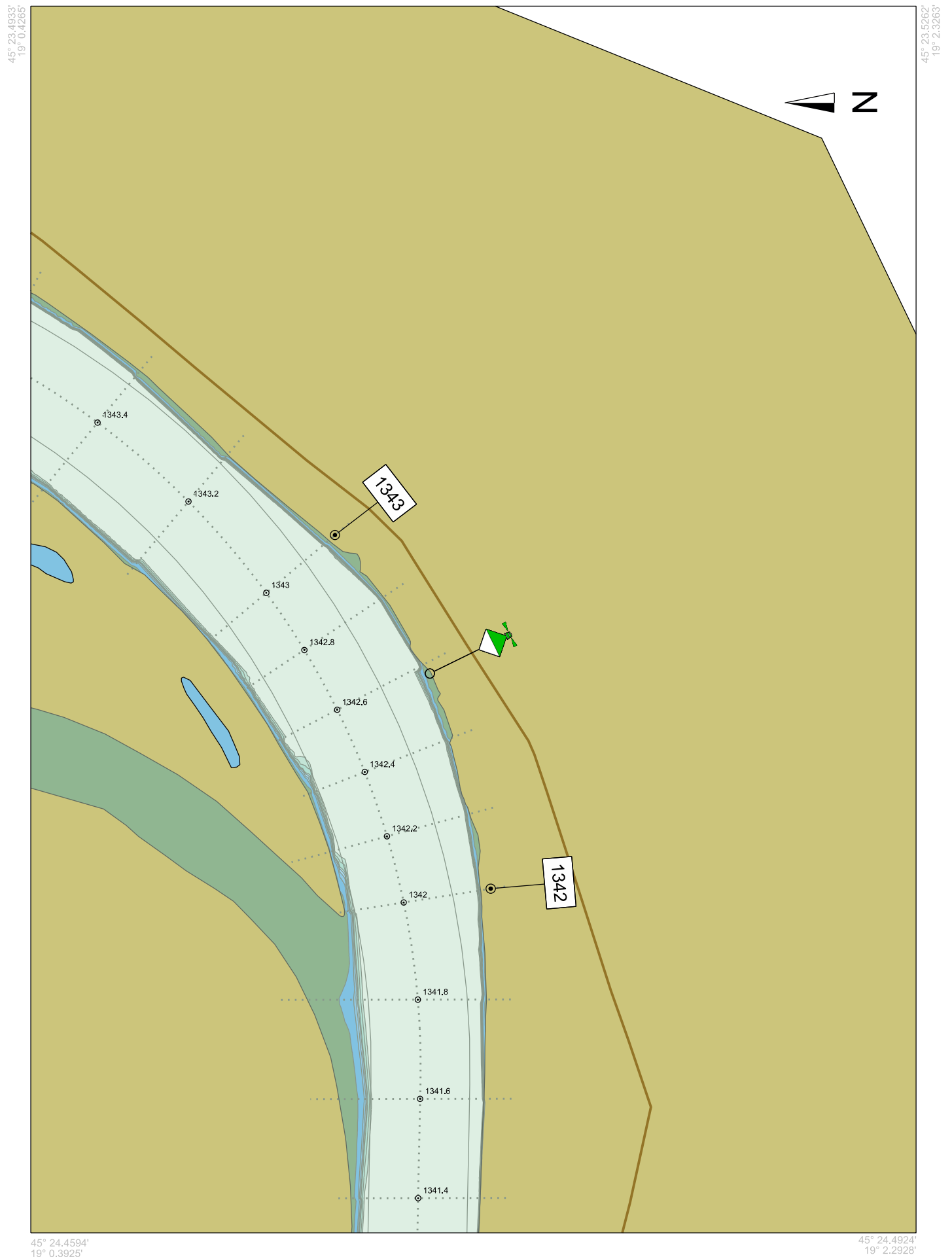
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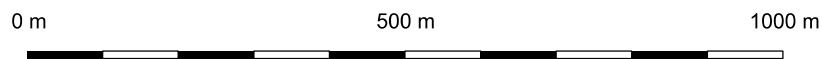
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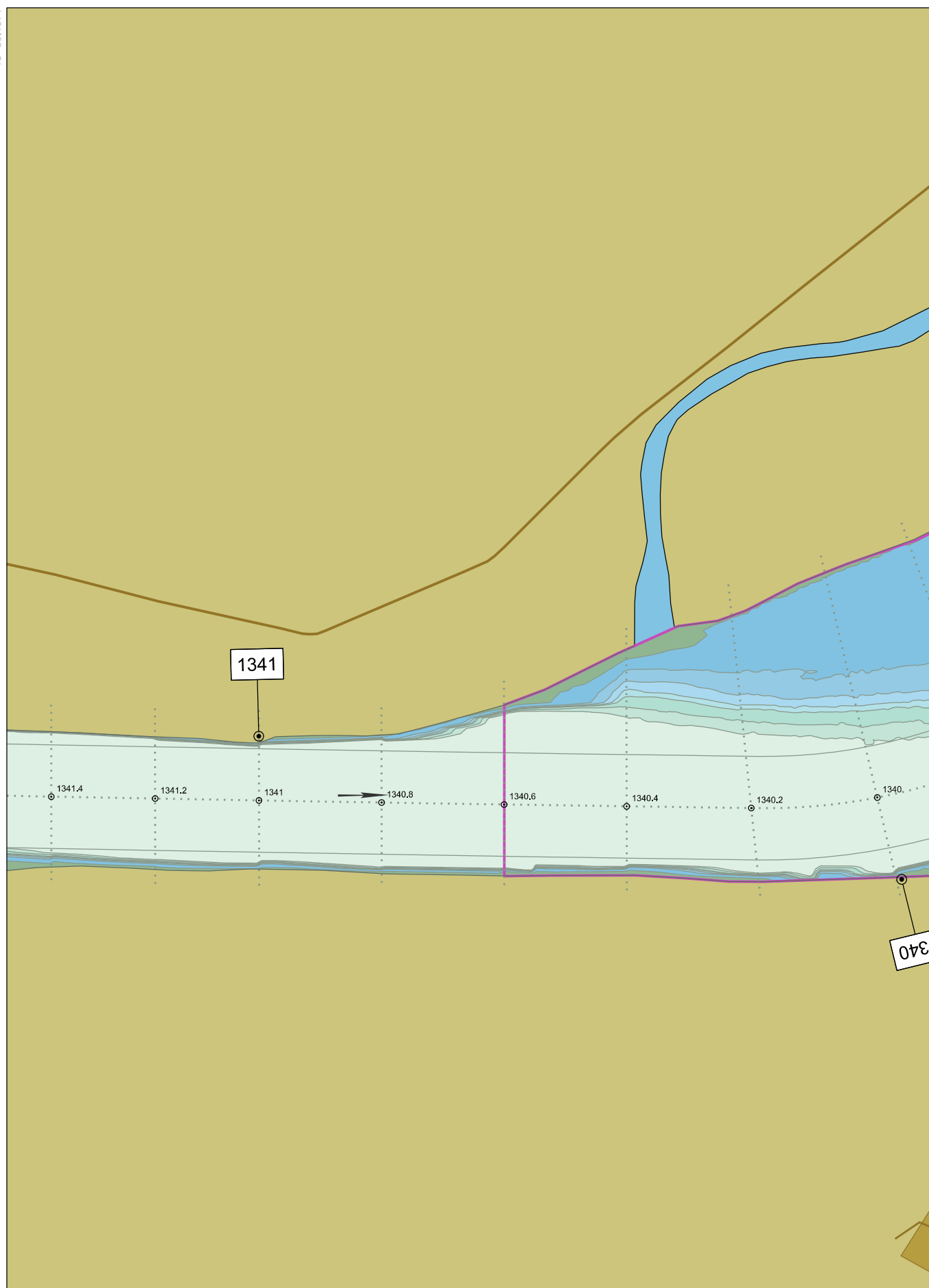
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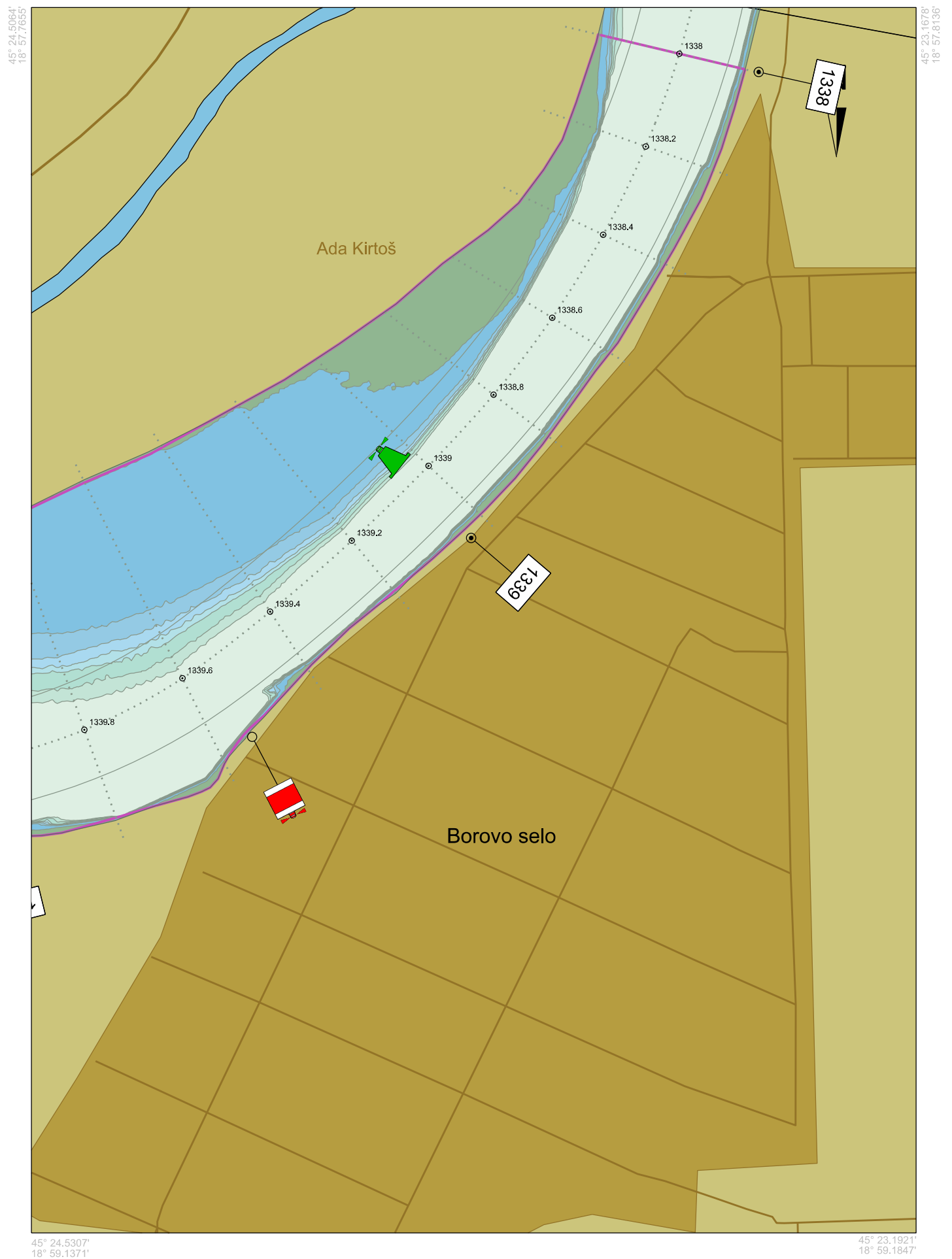
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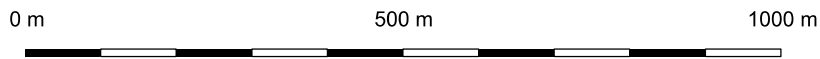
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45° 23.2162'
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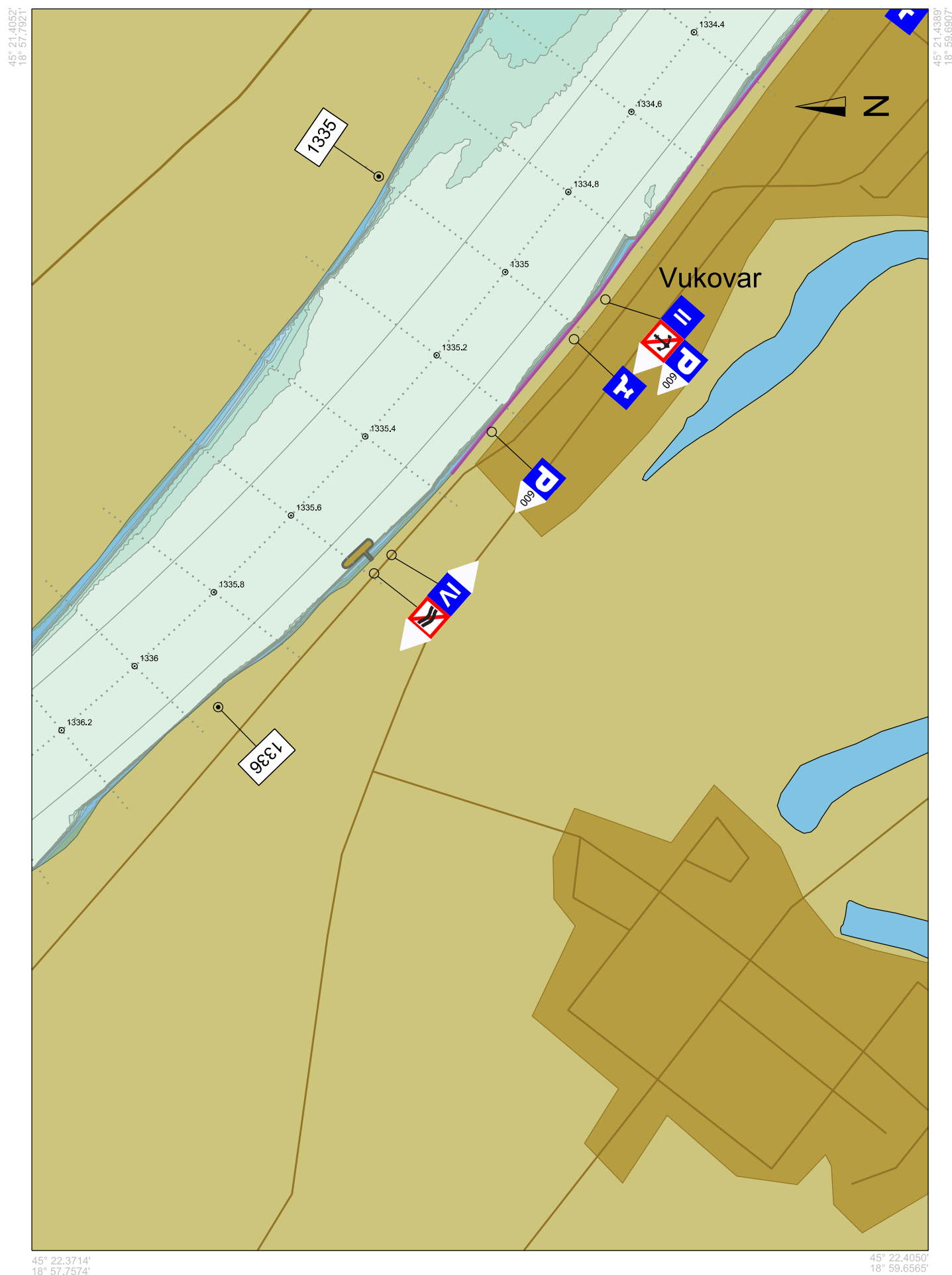
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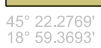
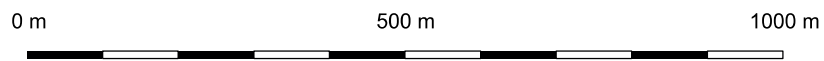
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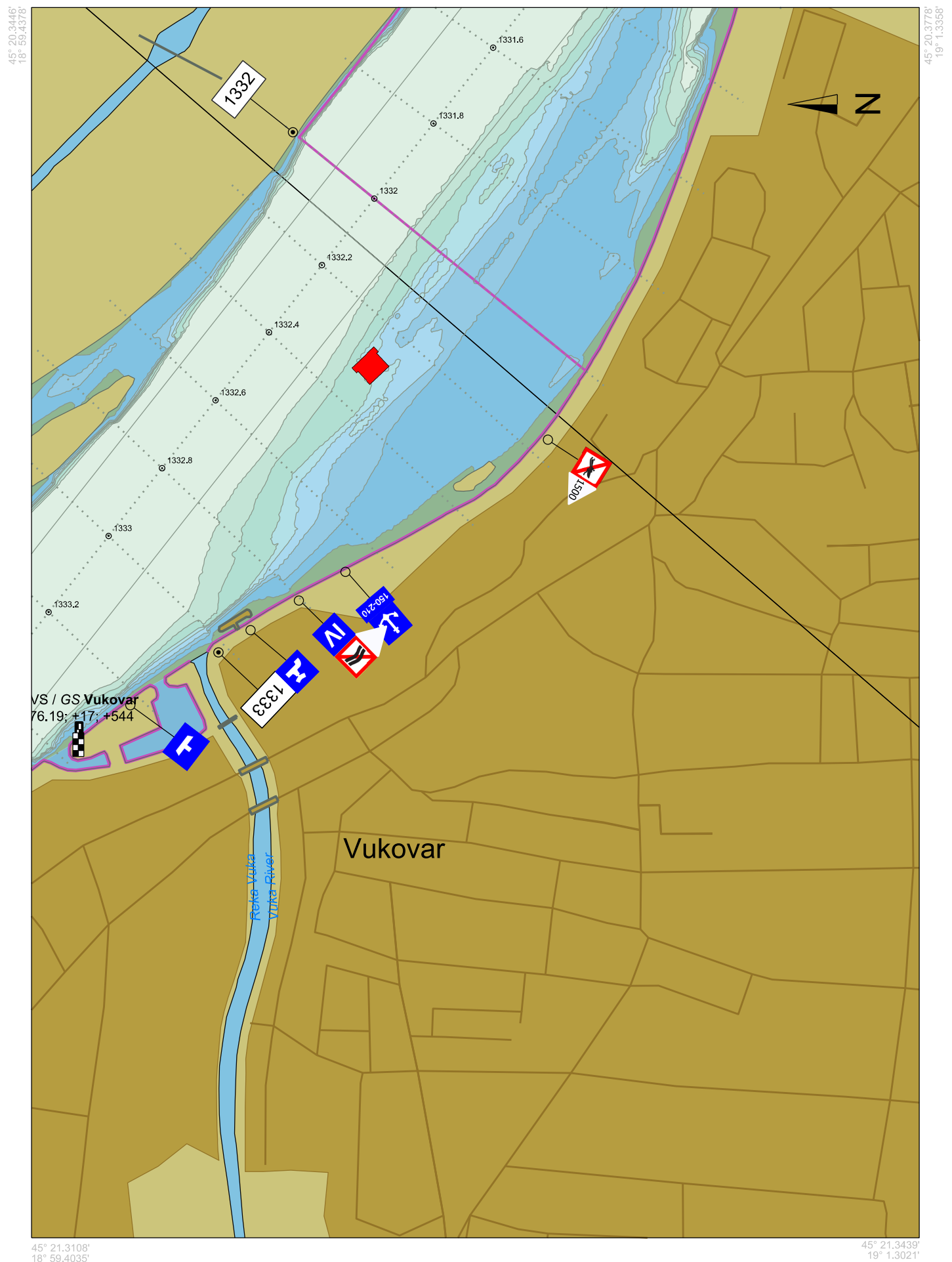


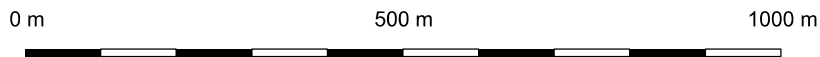
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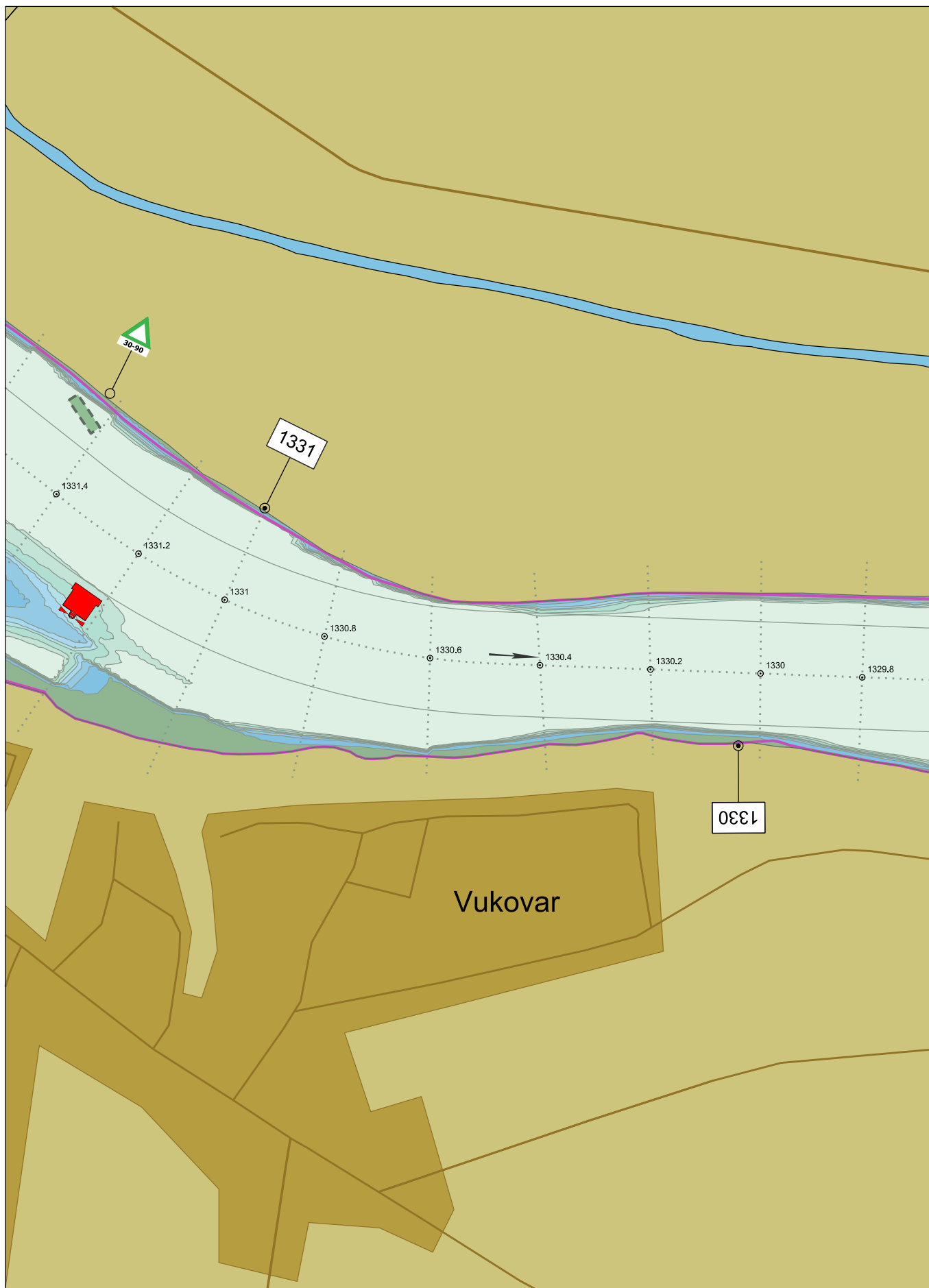






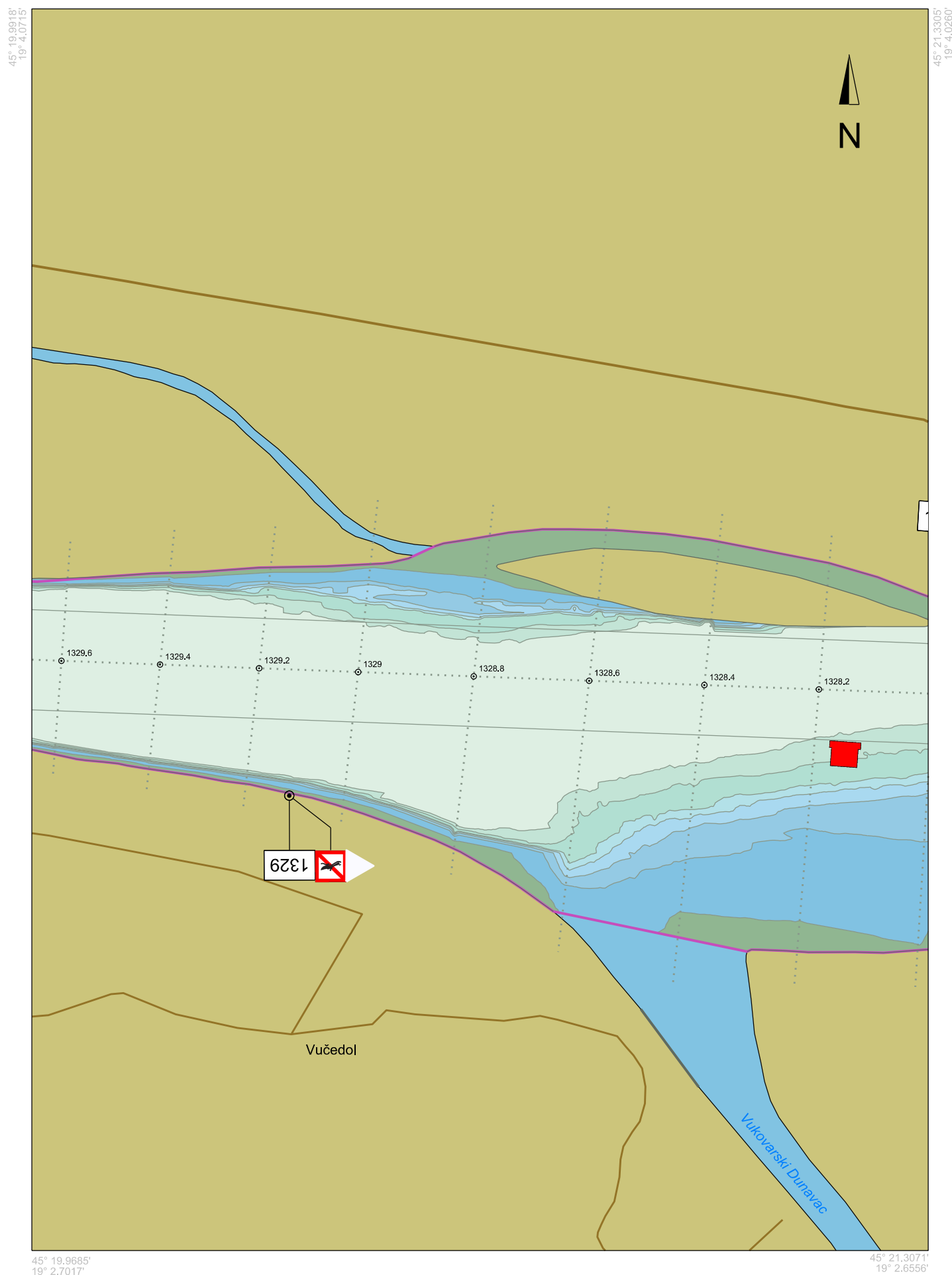
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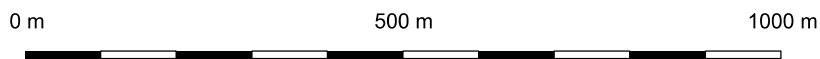
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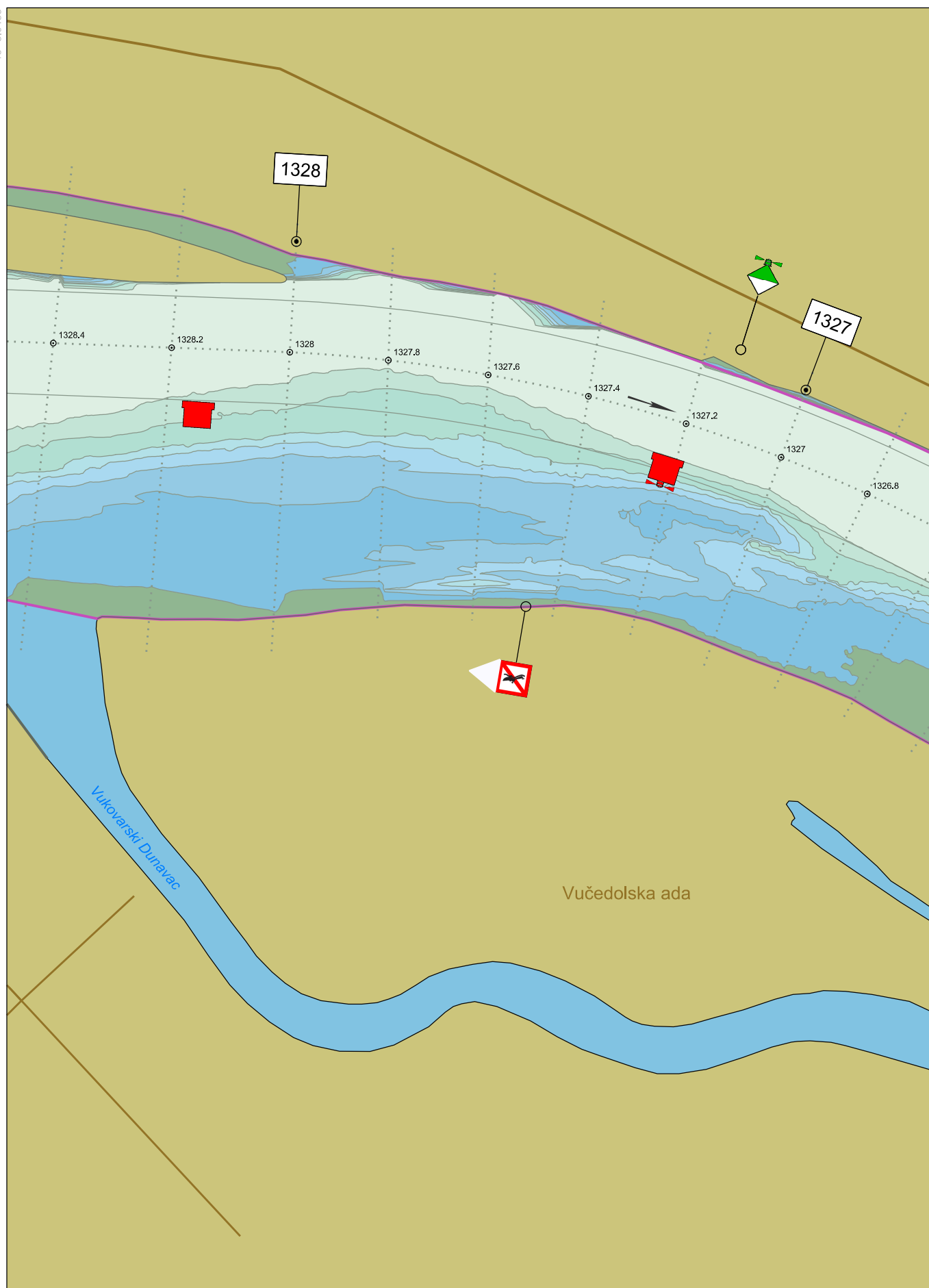
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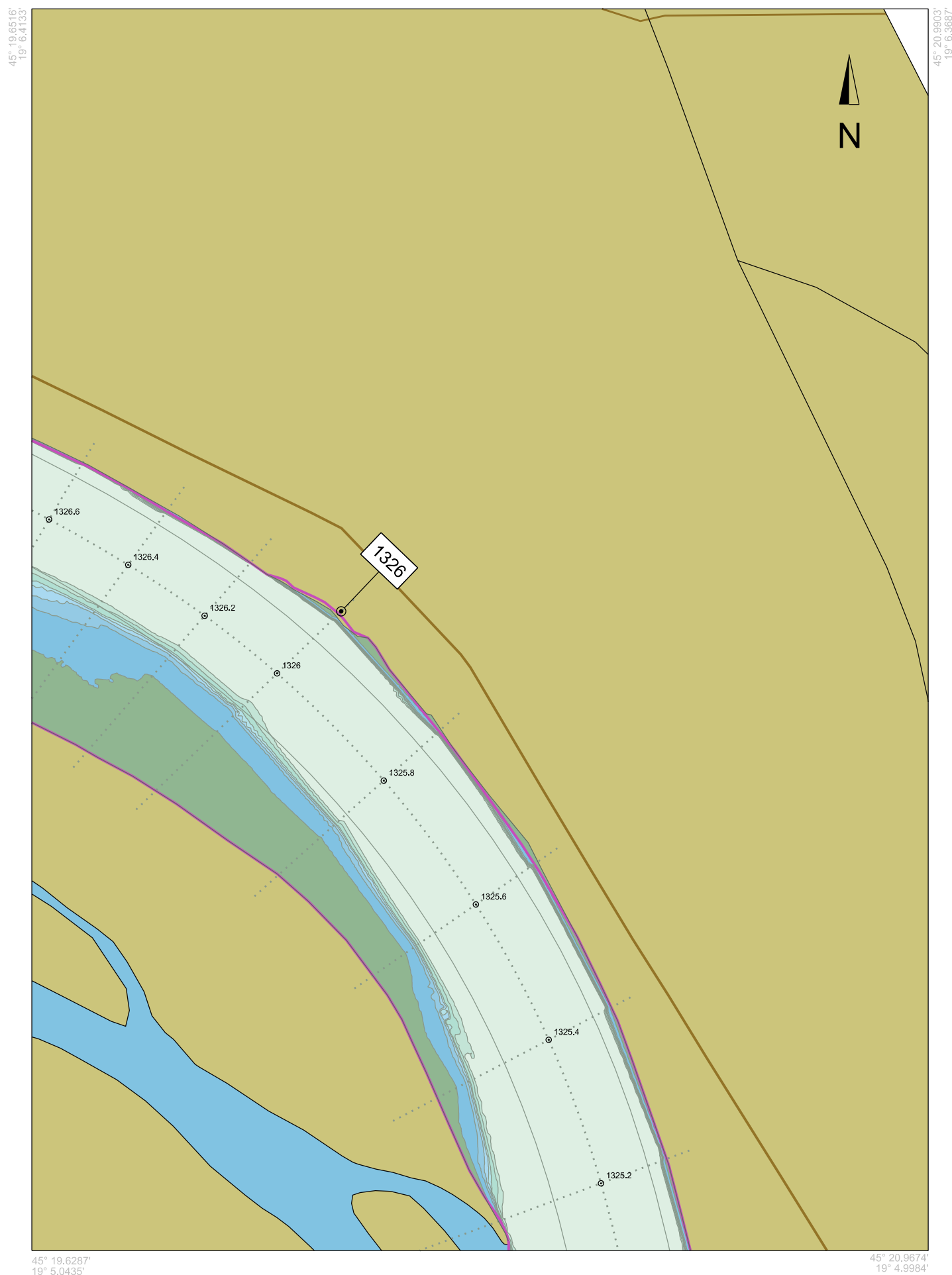
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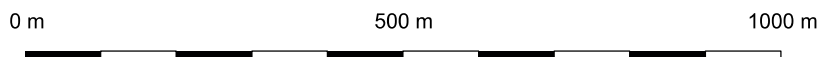
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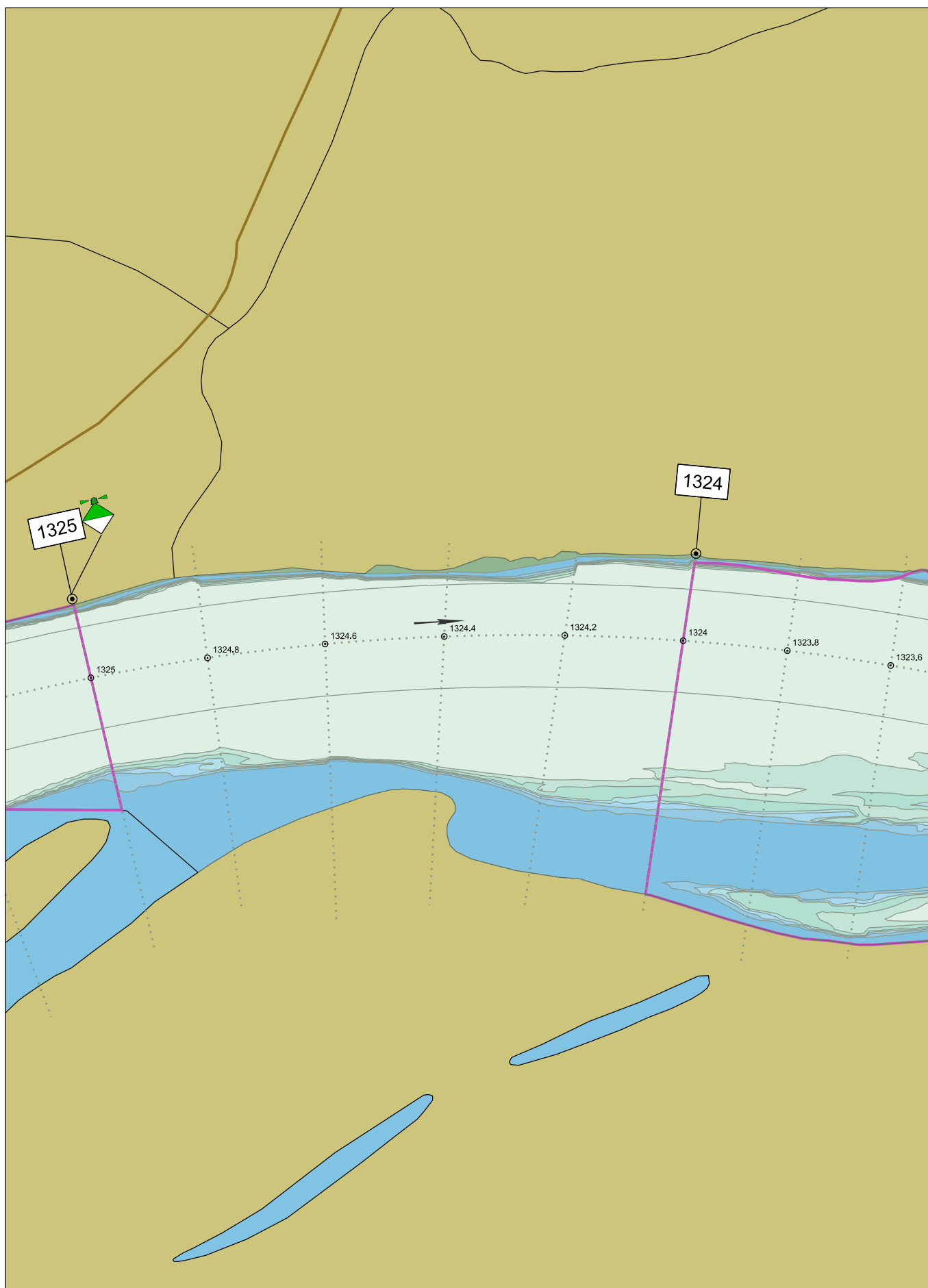
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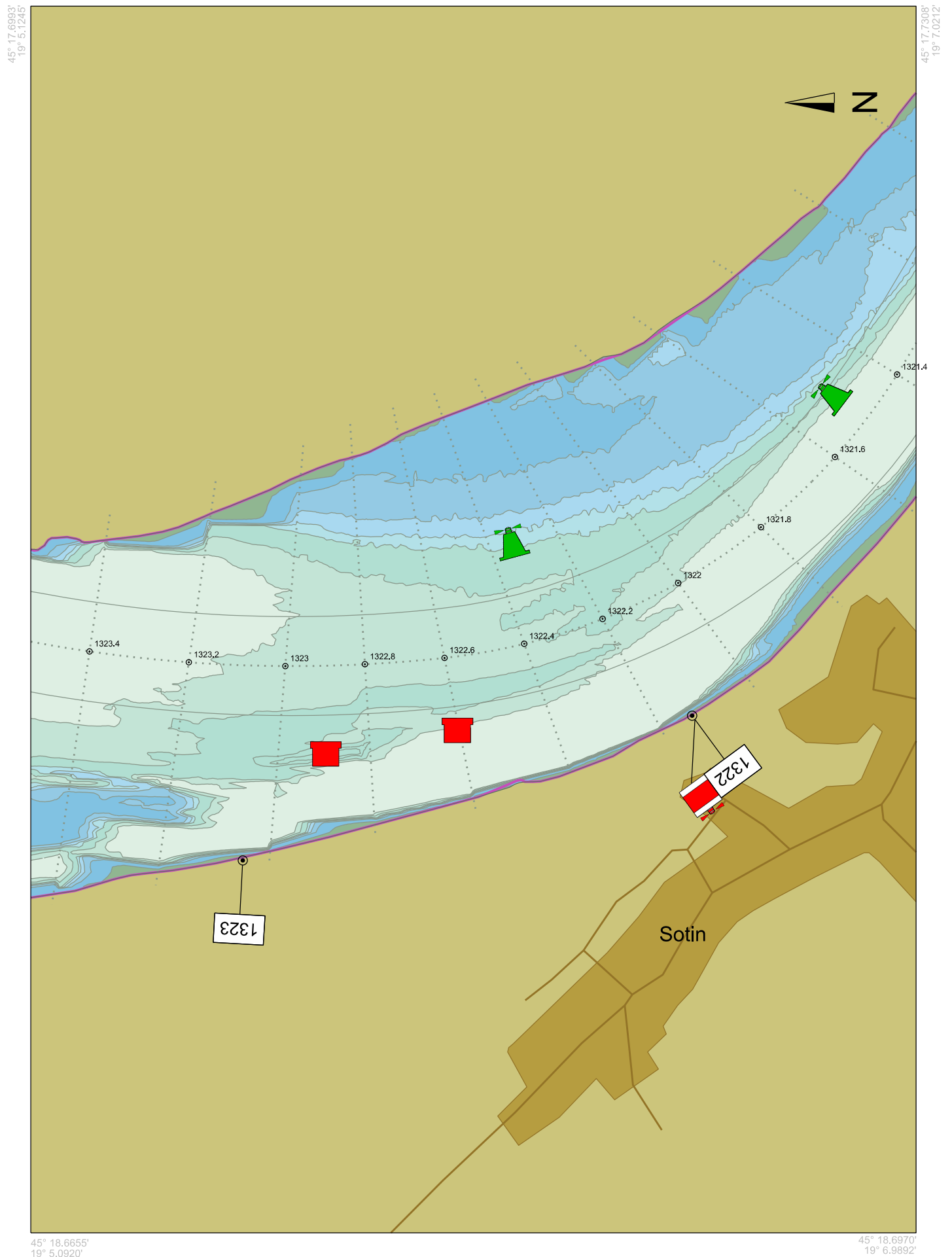
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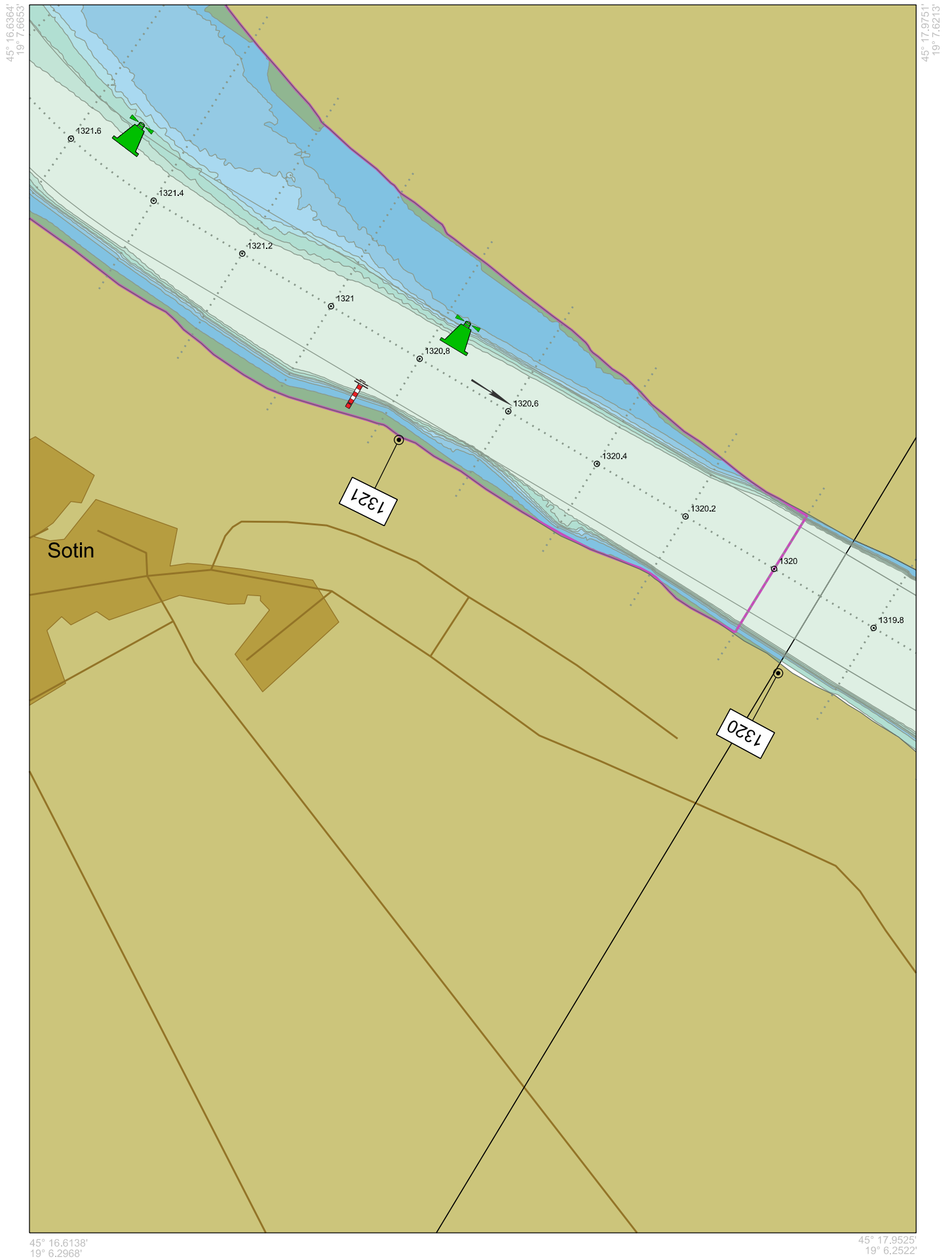
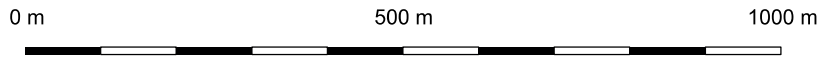
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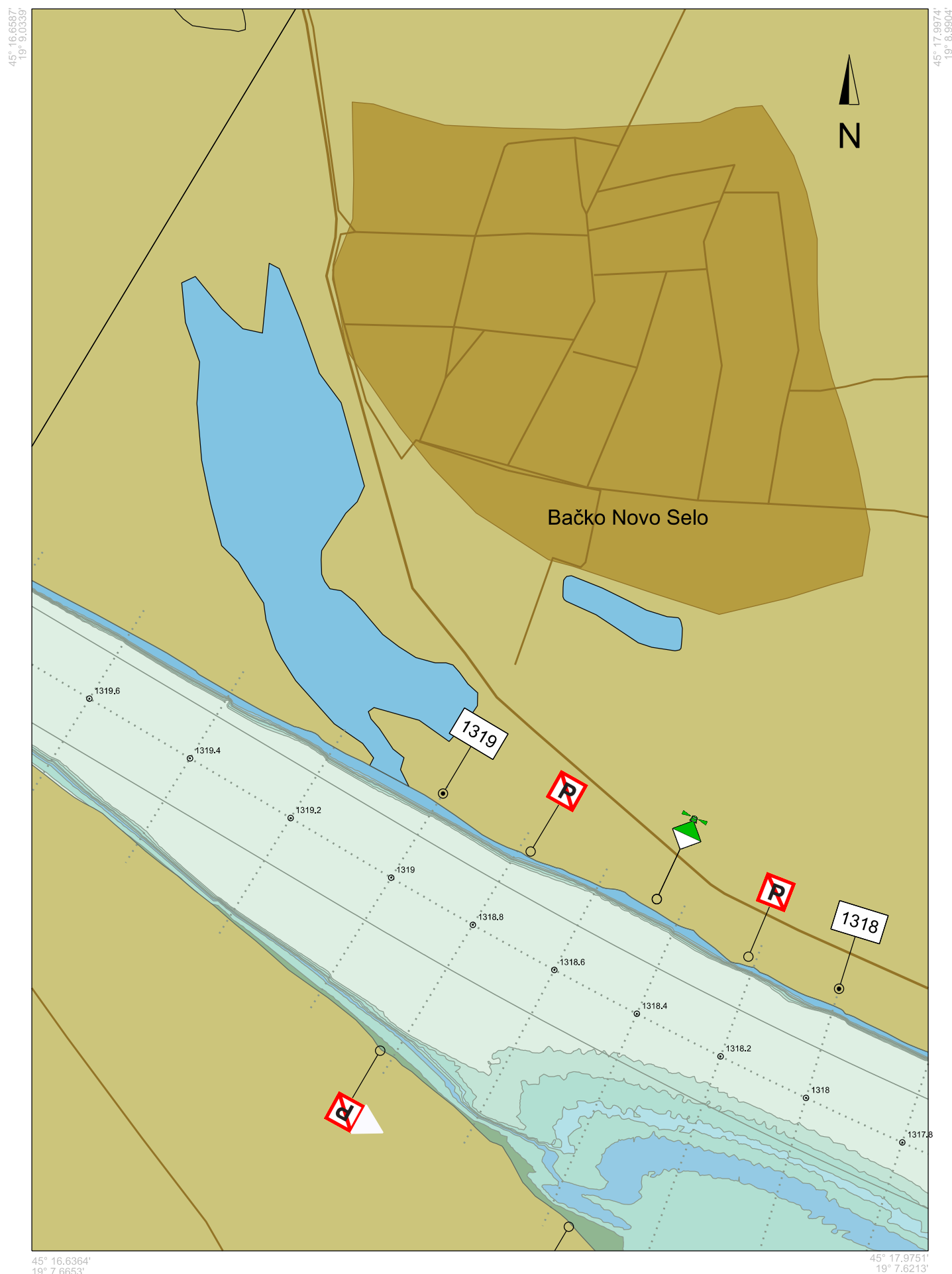
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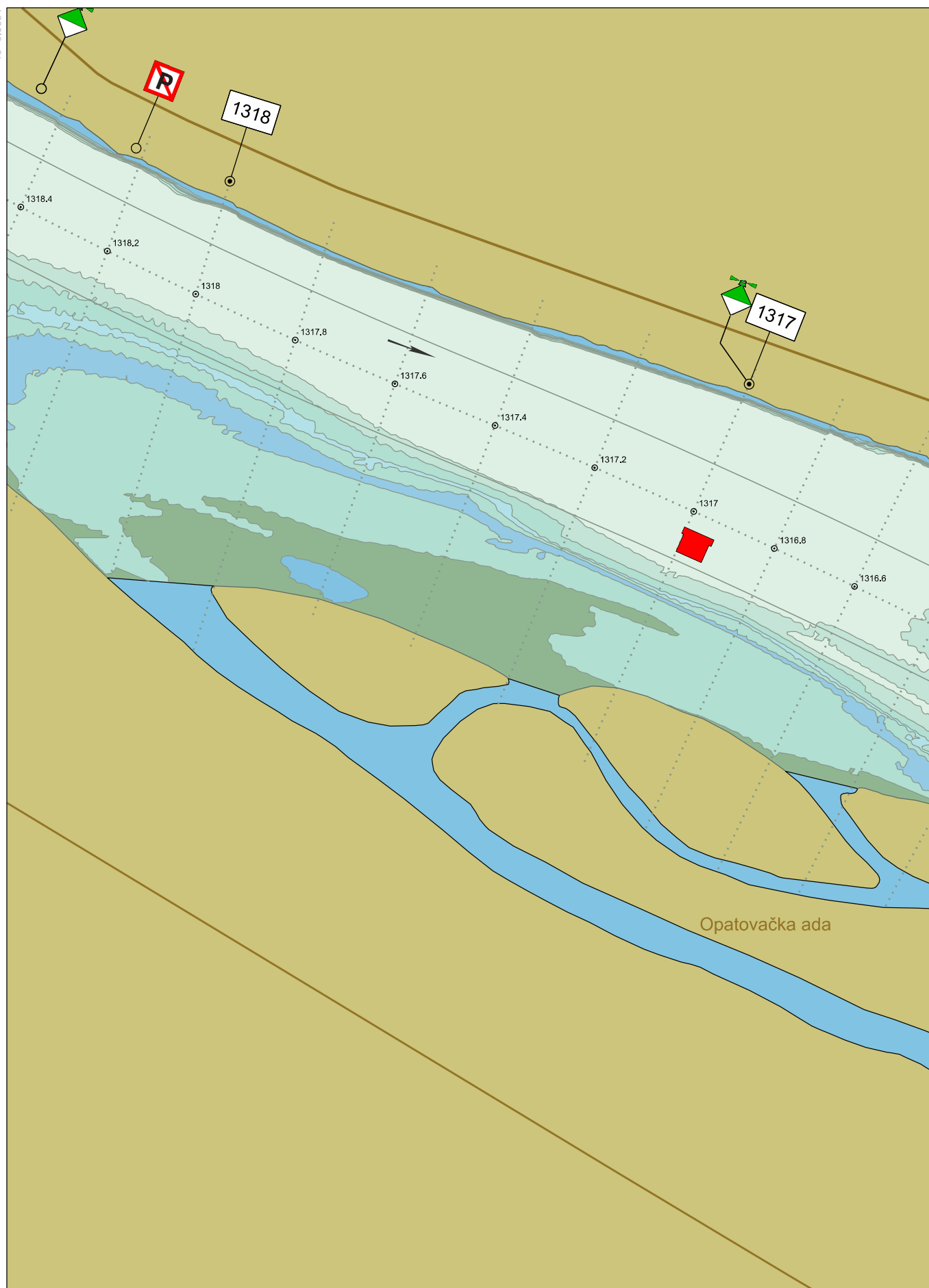
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0 m 500 m 1000 m

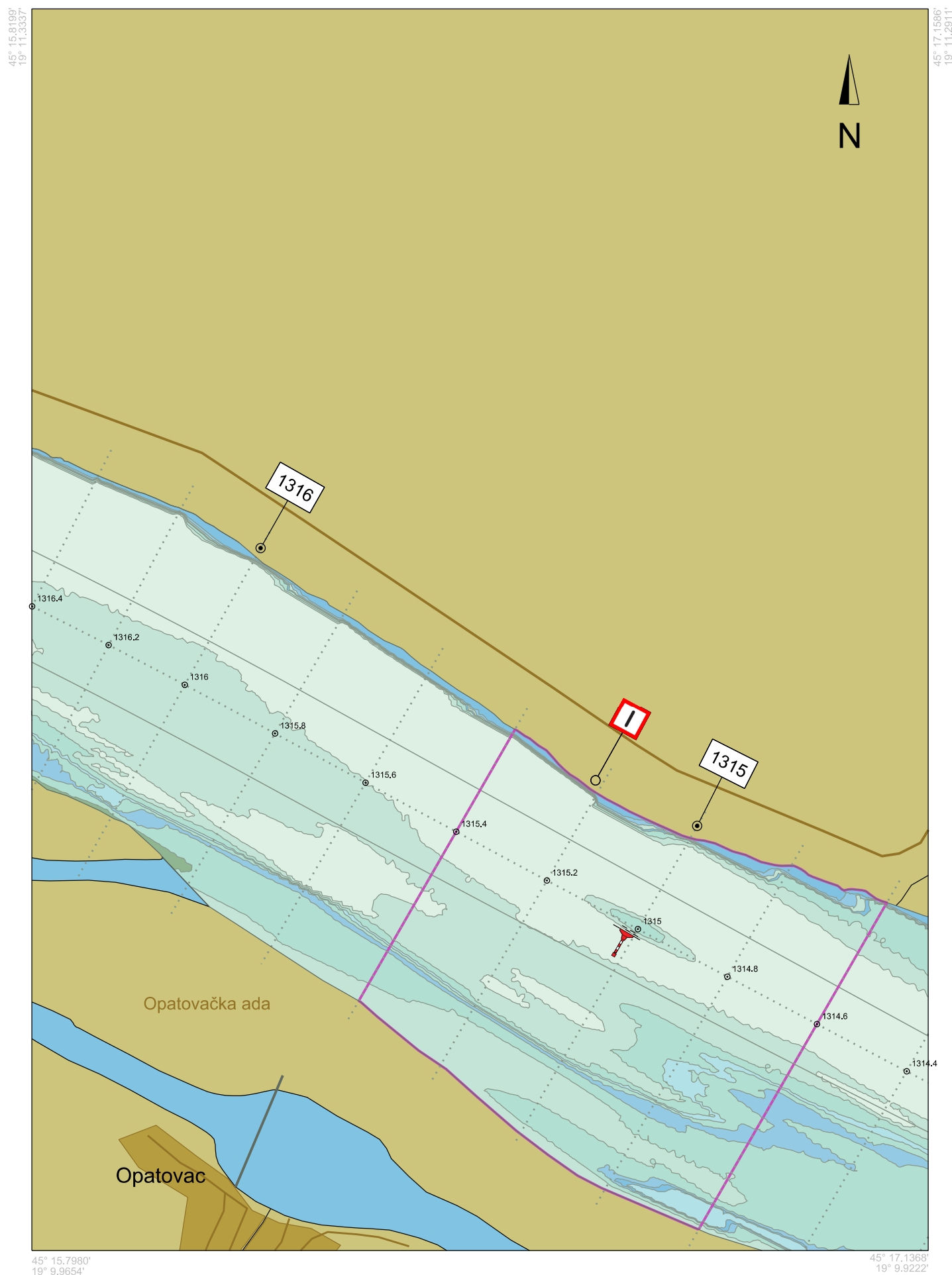
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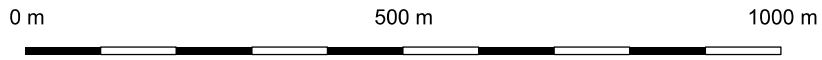
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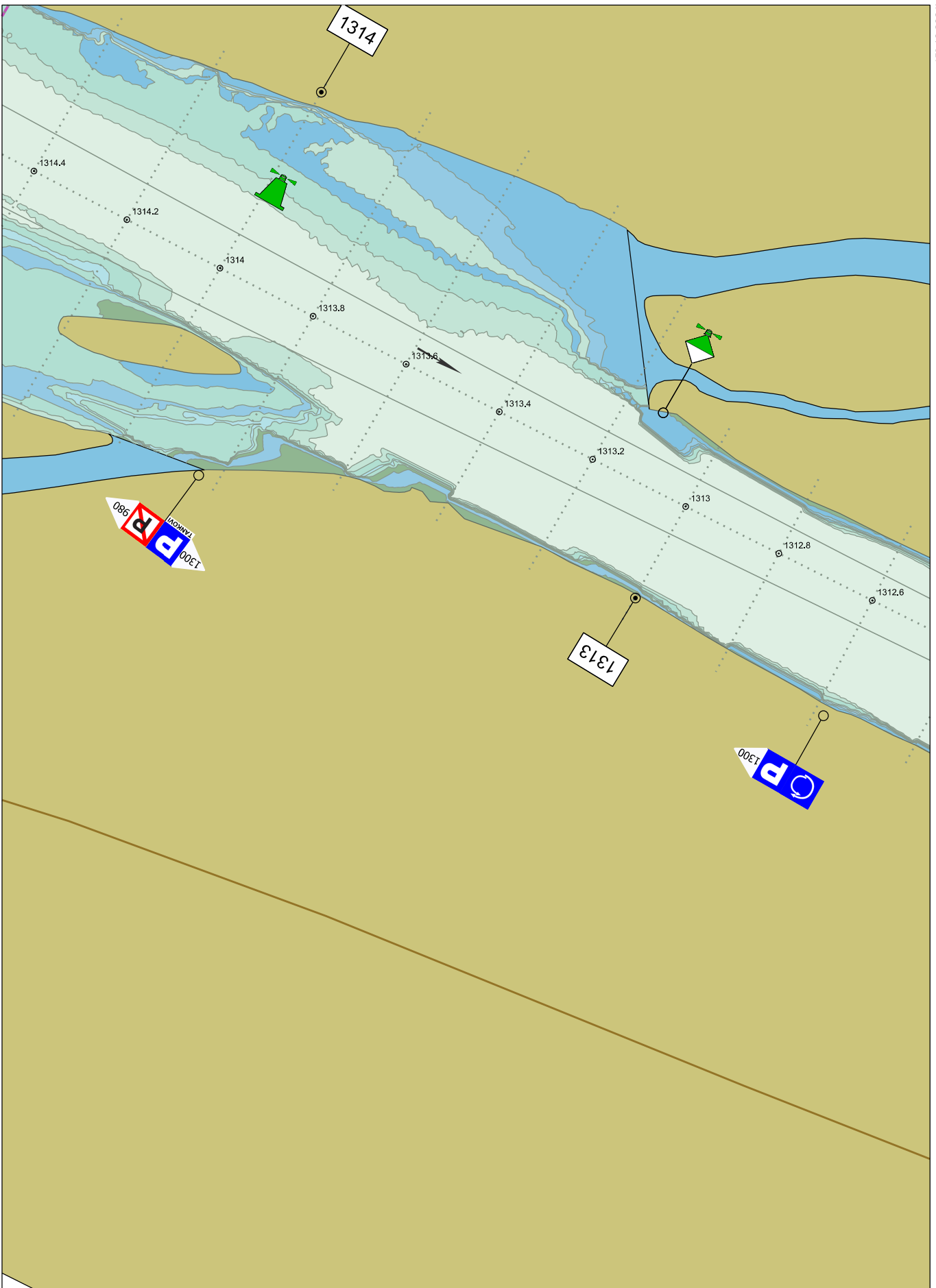
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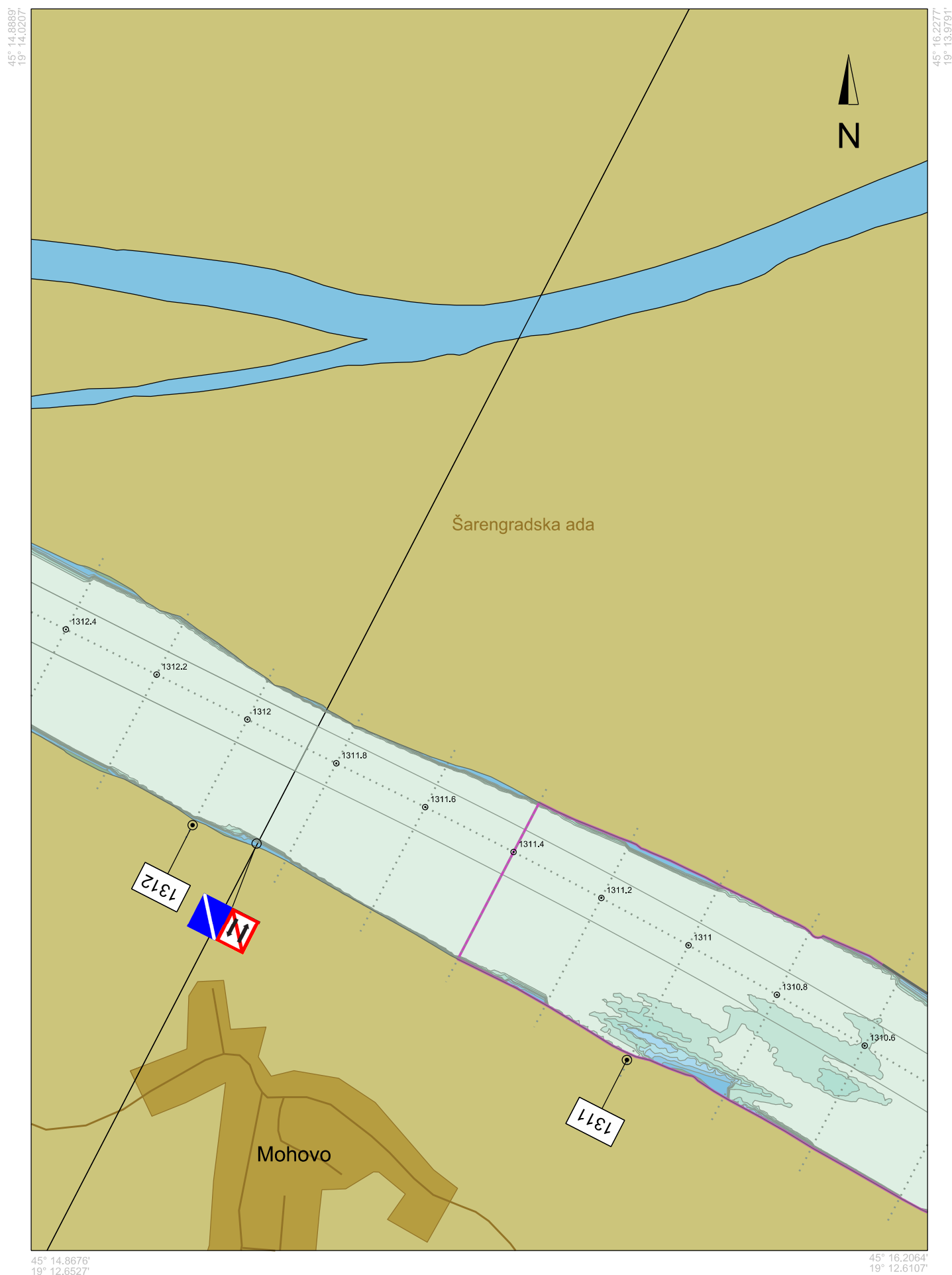
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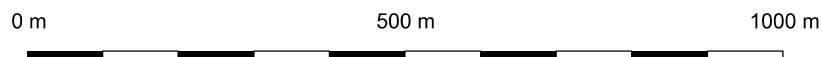
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45° 14.8461'
19° 11.2848'

45° 16.1848'
19° 11.2422'

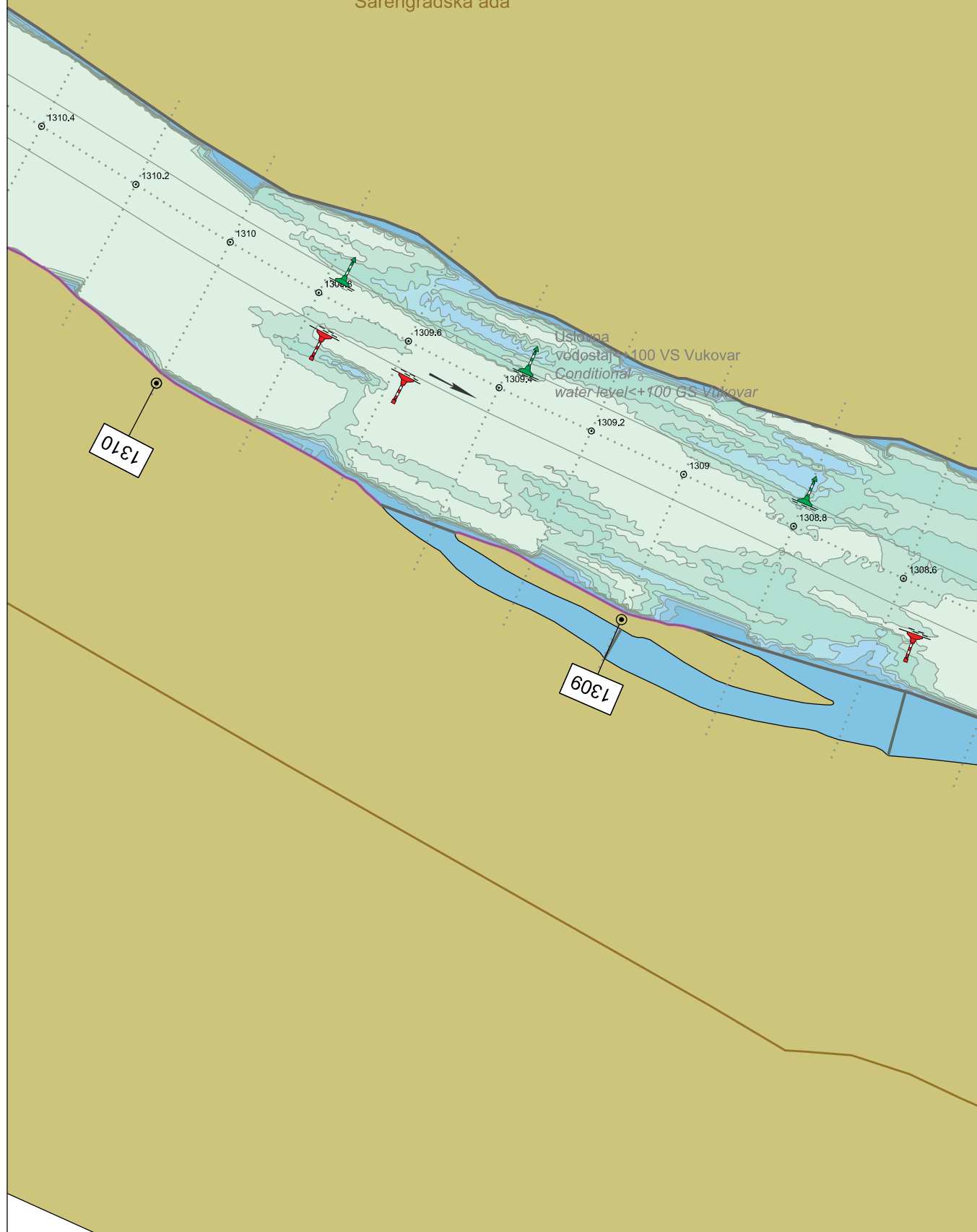




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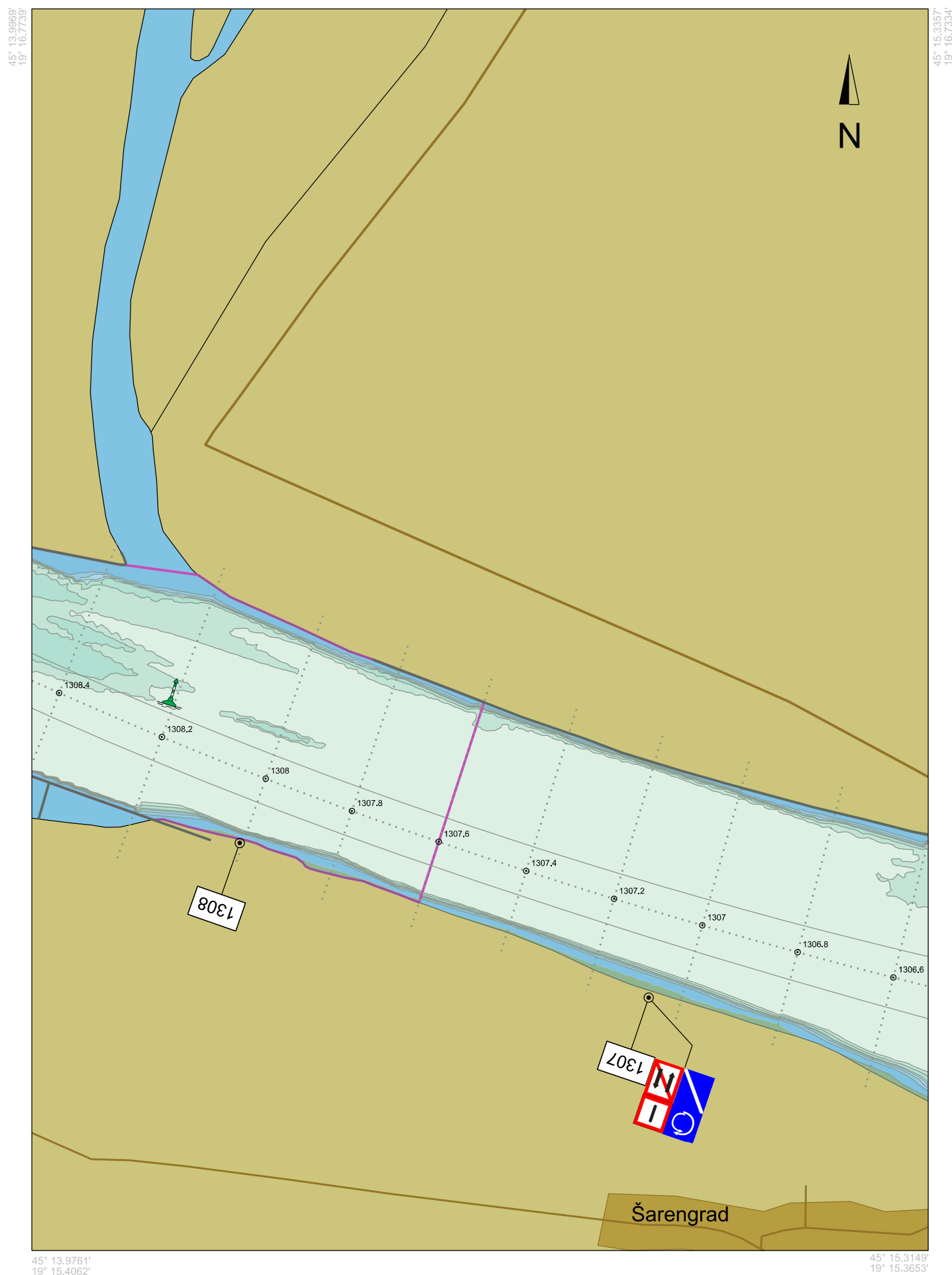
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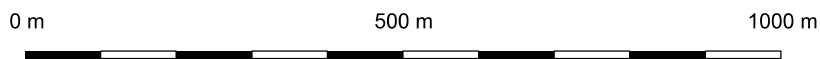
Šaregradska ada



45° 13.9551'
19° 14.0387'

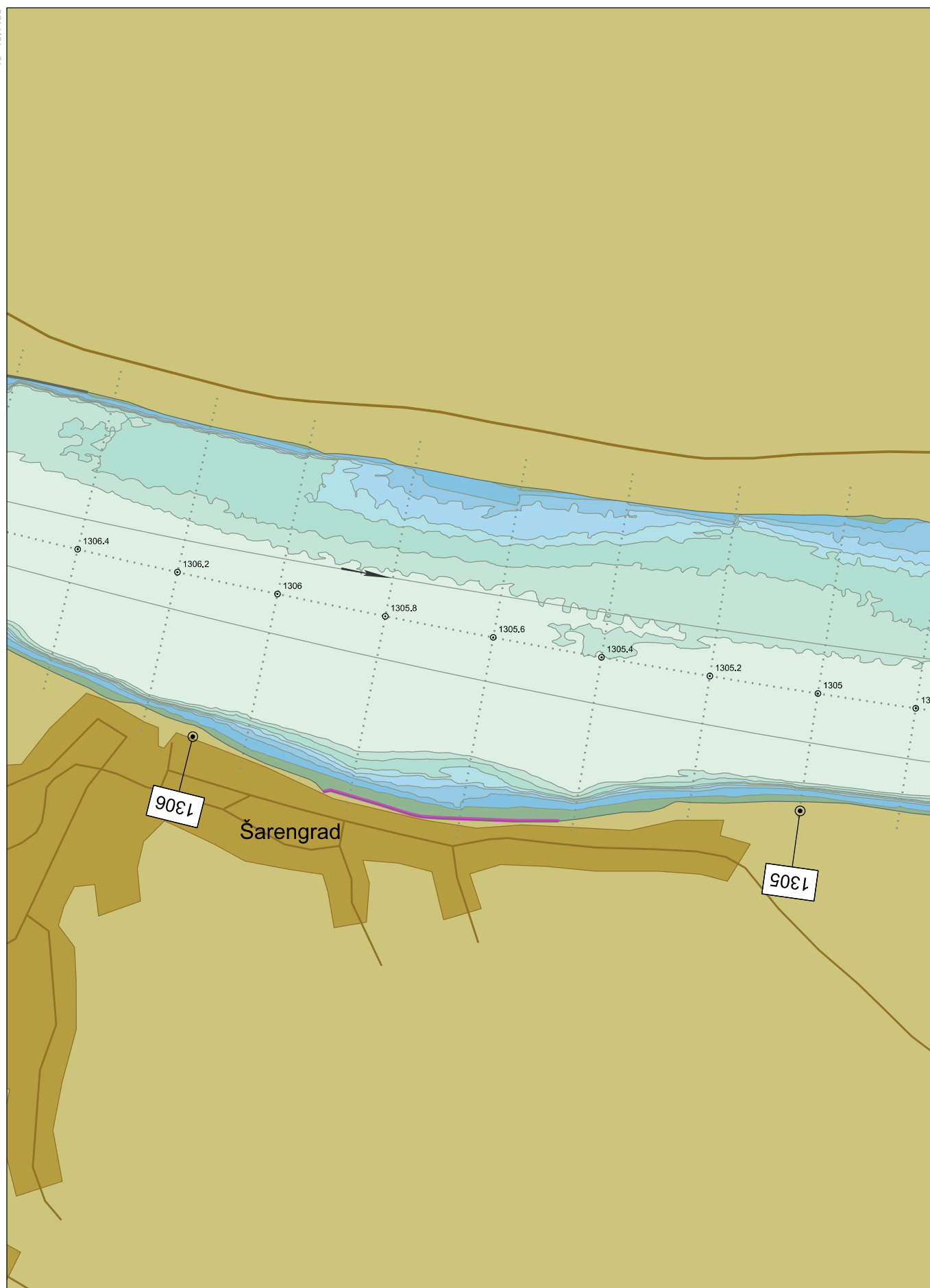
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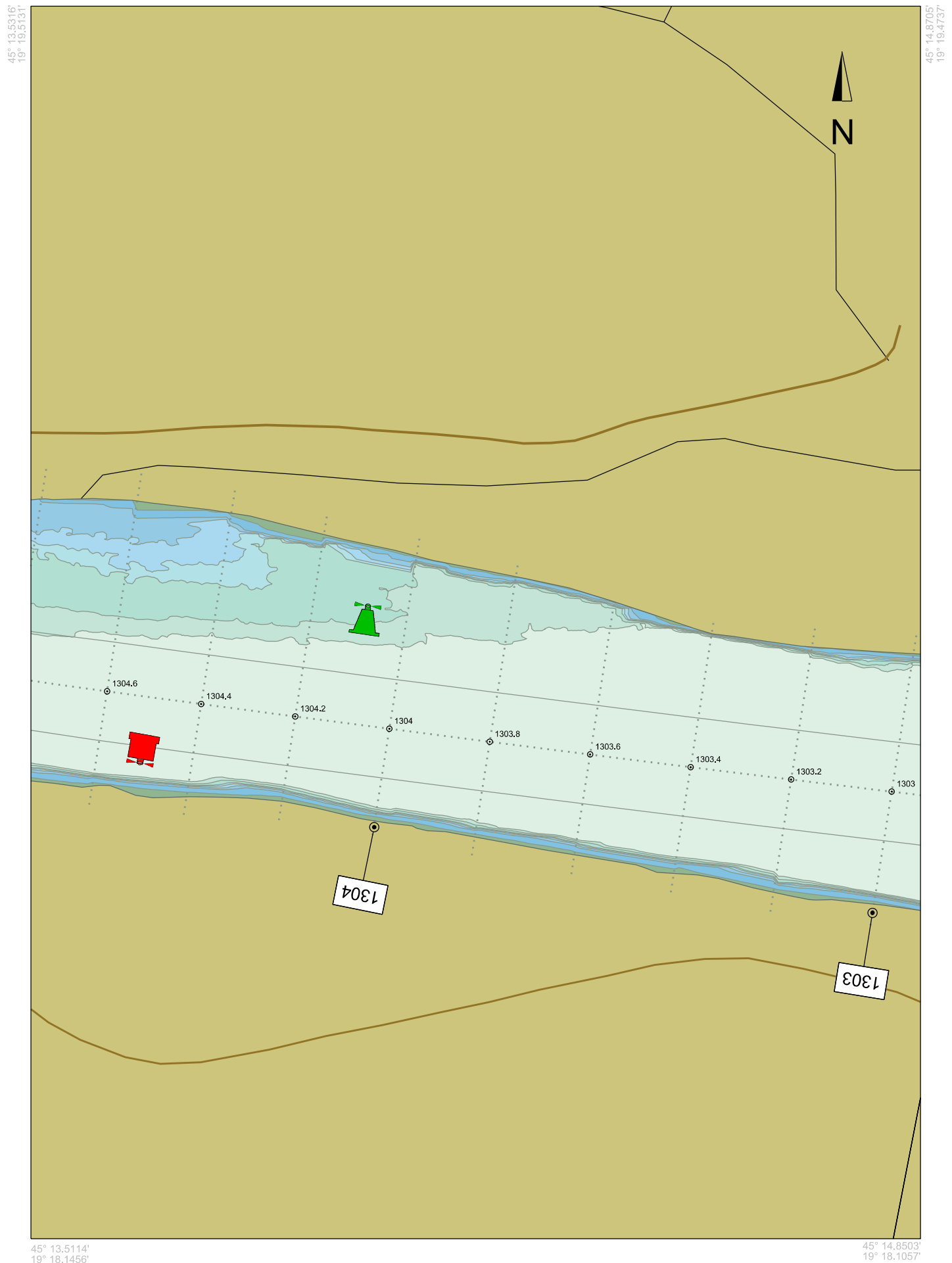
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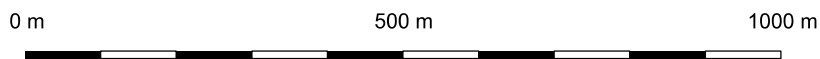
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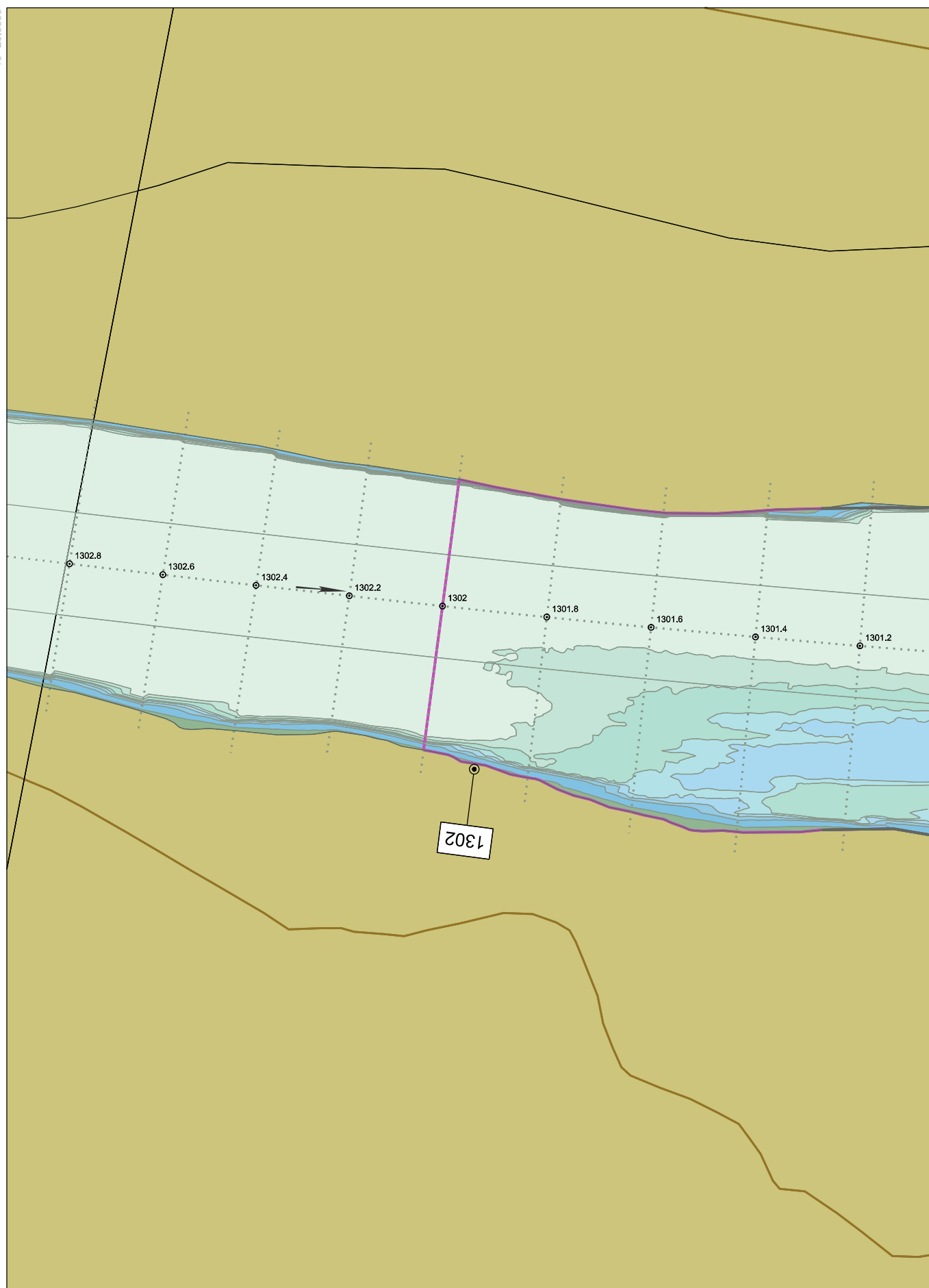
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45° 13.2668'
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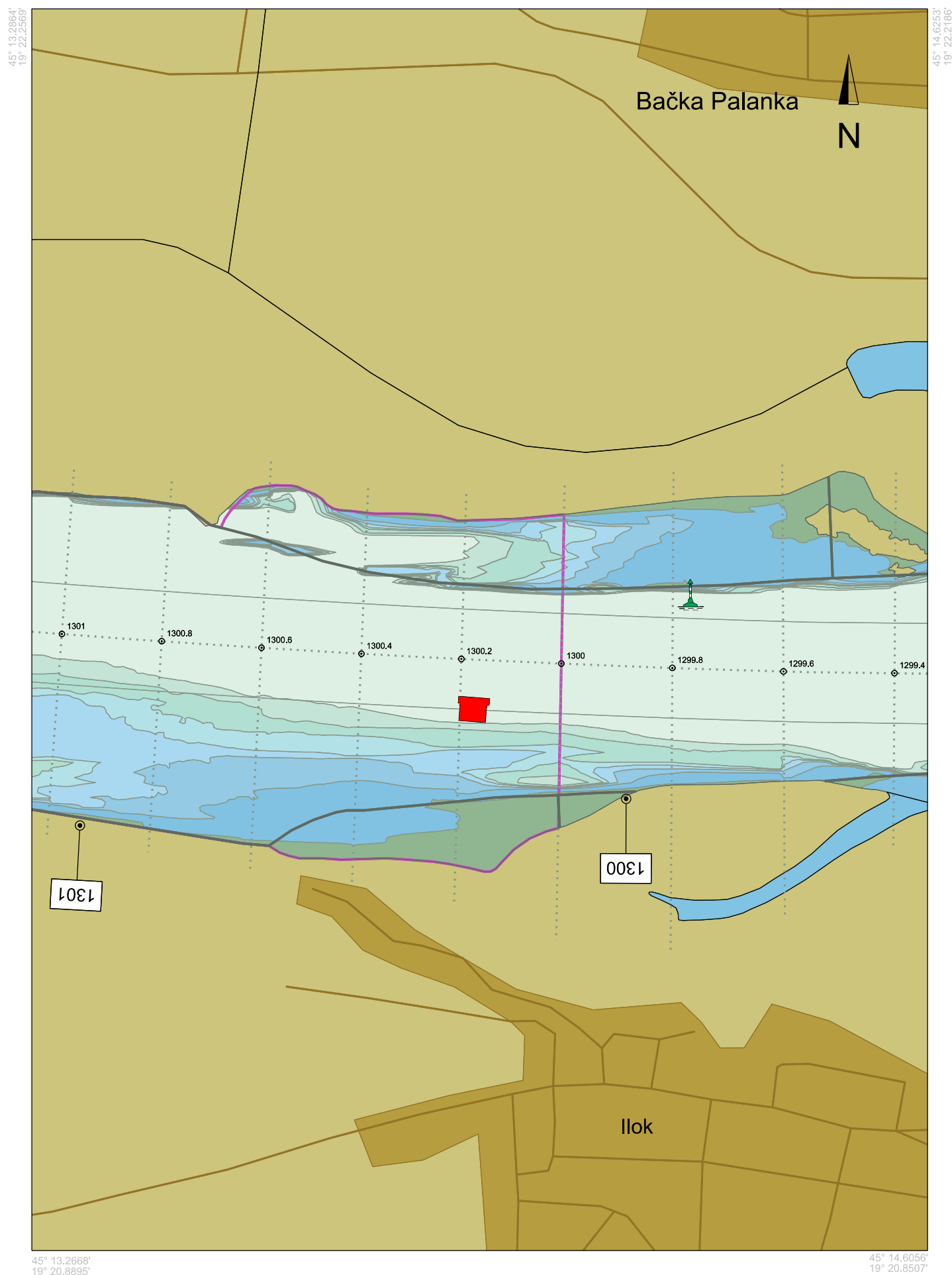


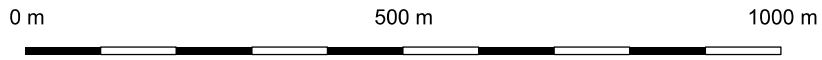
45° 13.2469'
19° 19.5221'

45° 14.5857'
19° 19.4828'



km 1302.8 - 1299.4





45° 13.3058'
19° 23.6244'

45° 14.6447'
19° 23.5866'

Bačka Palanka

Tikvara

VS / GS Bačka Palanka
73.97; +47; +578

VS / GS Ilok
73.97; +47; +577

30-90
↑

1299

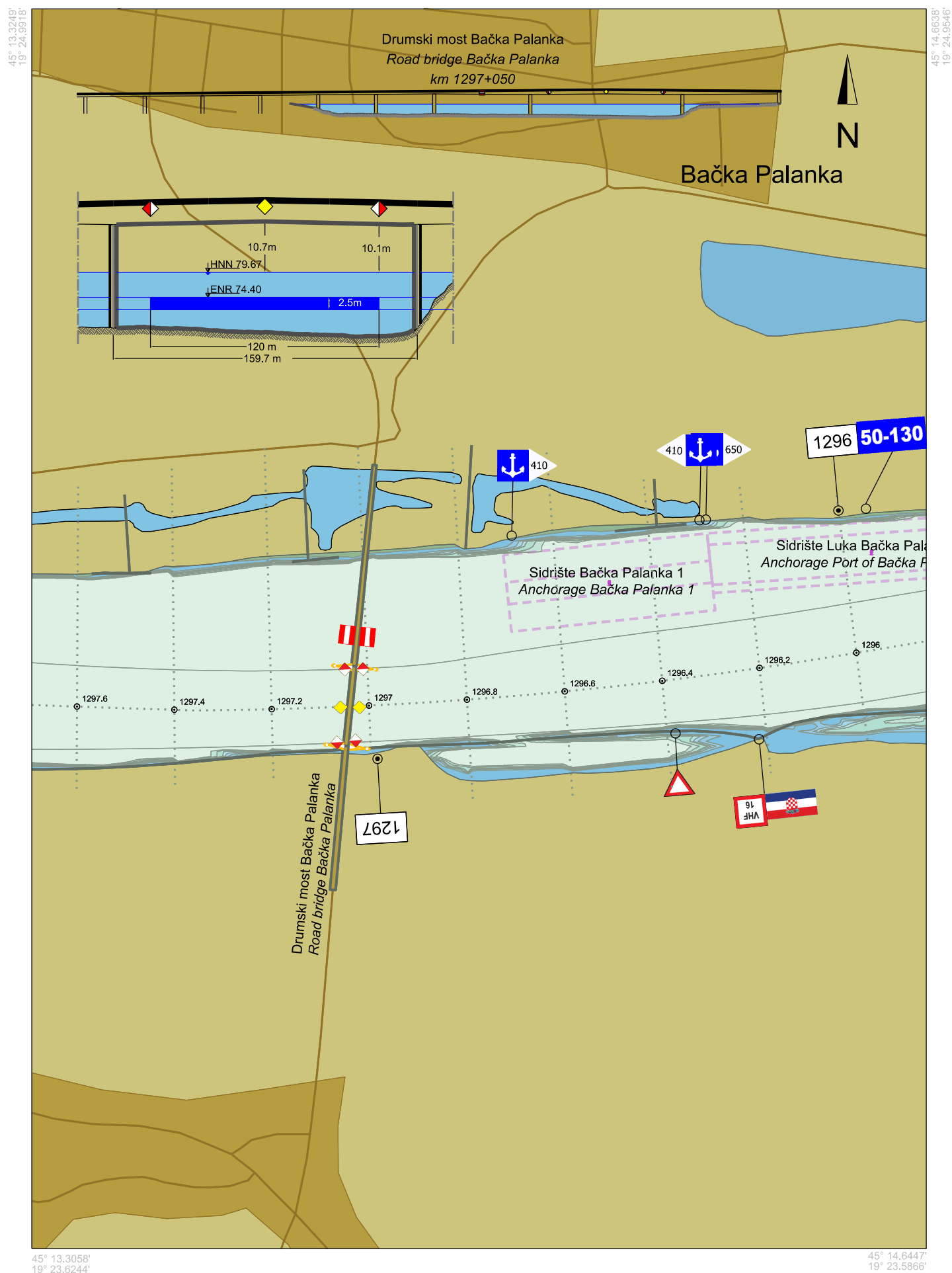
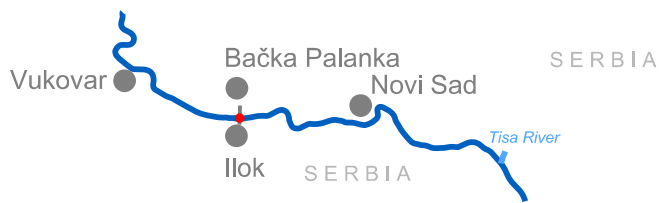


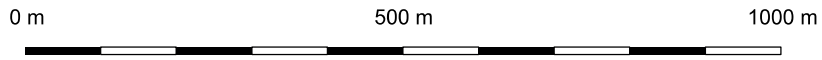
1298

Ilok

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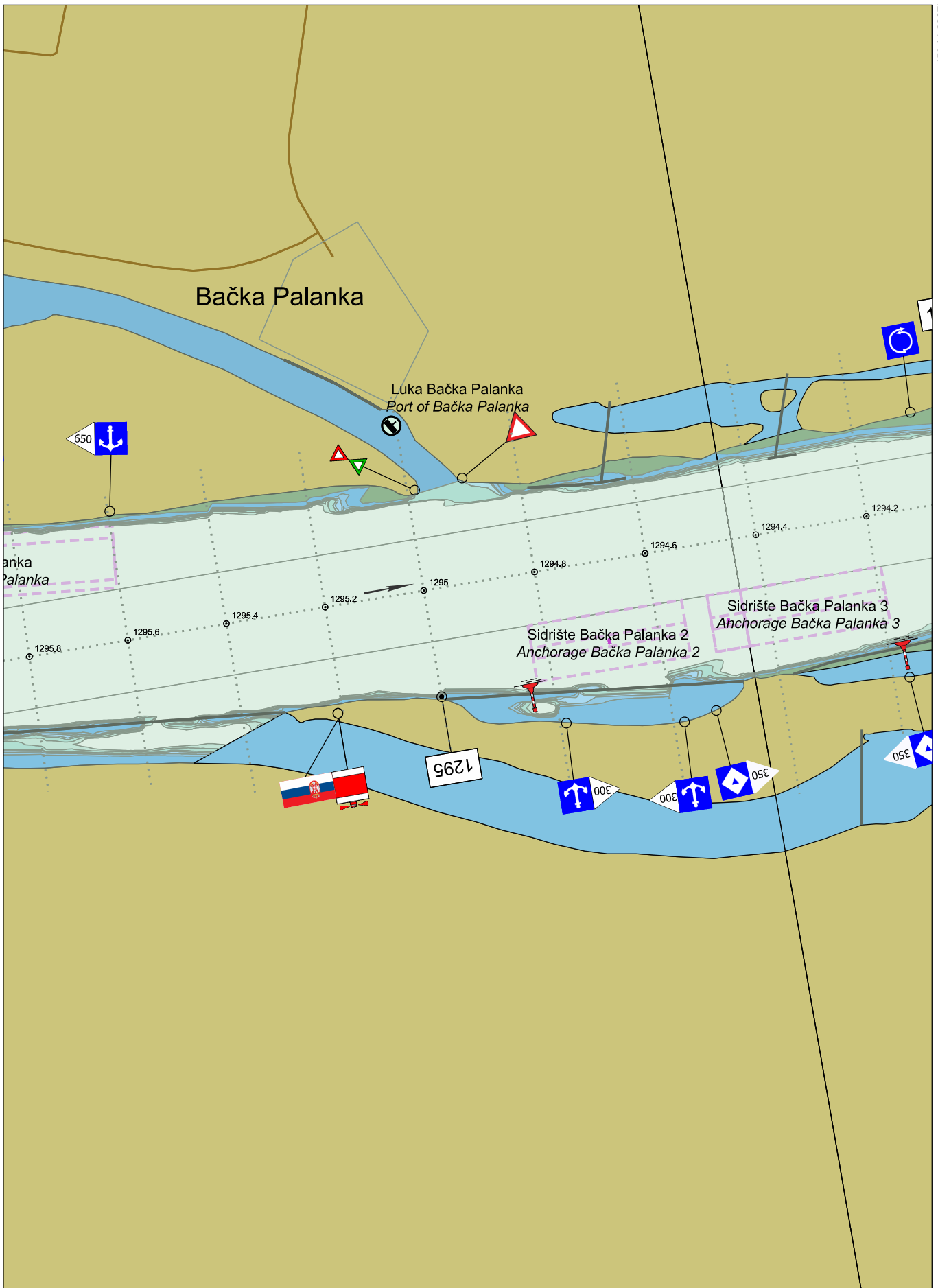
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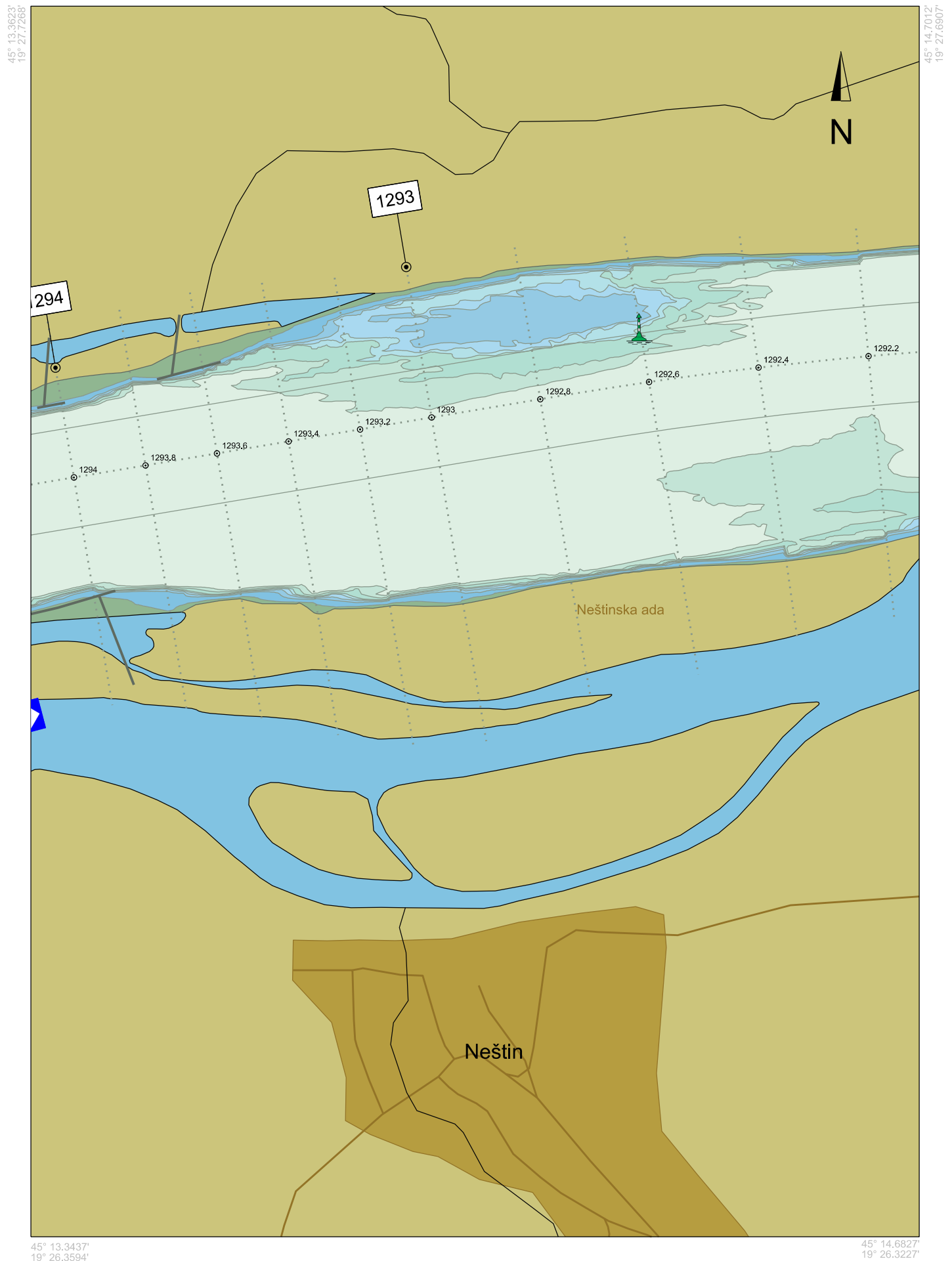
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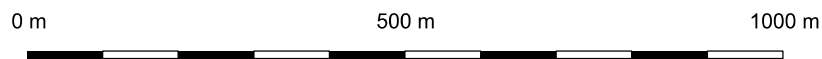
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45° 13.3249'
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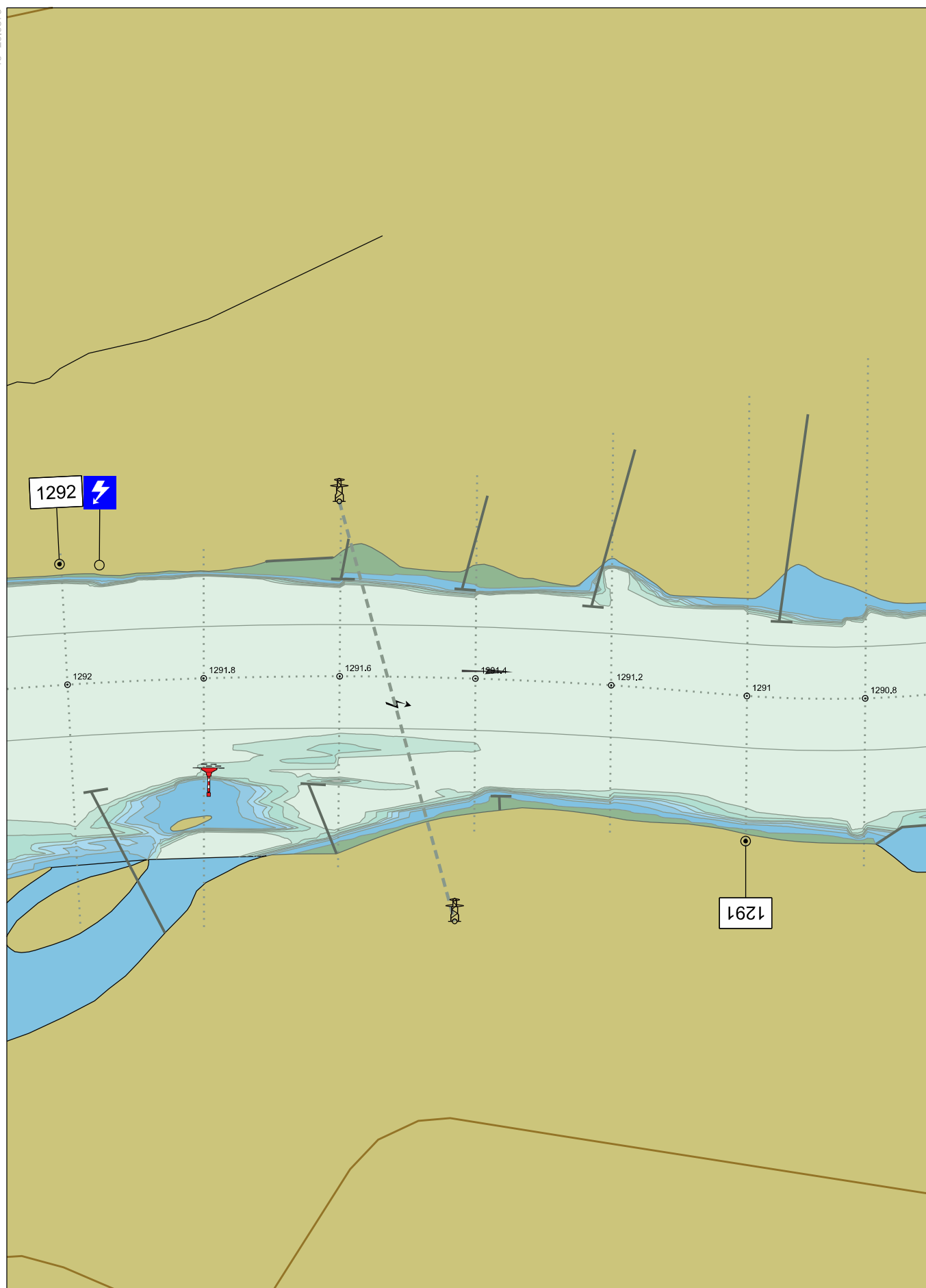
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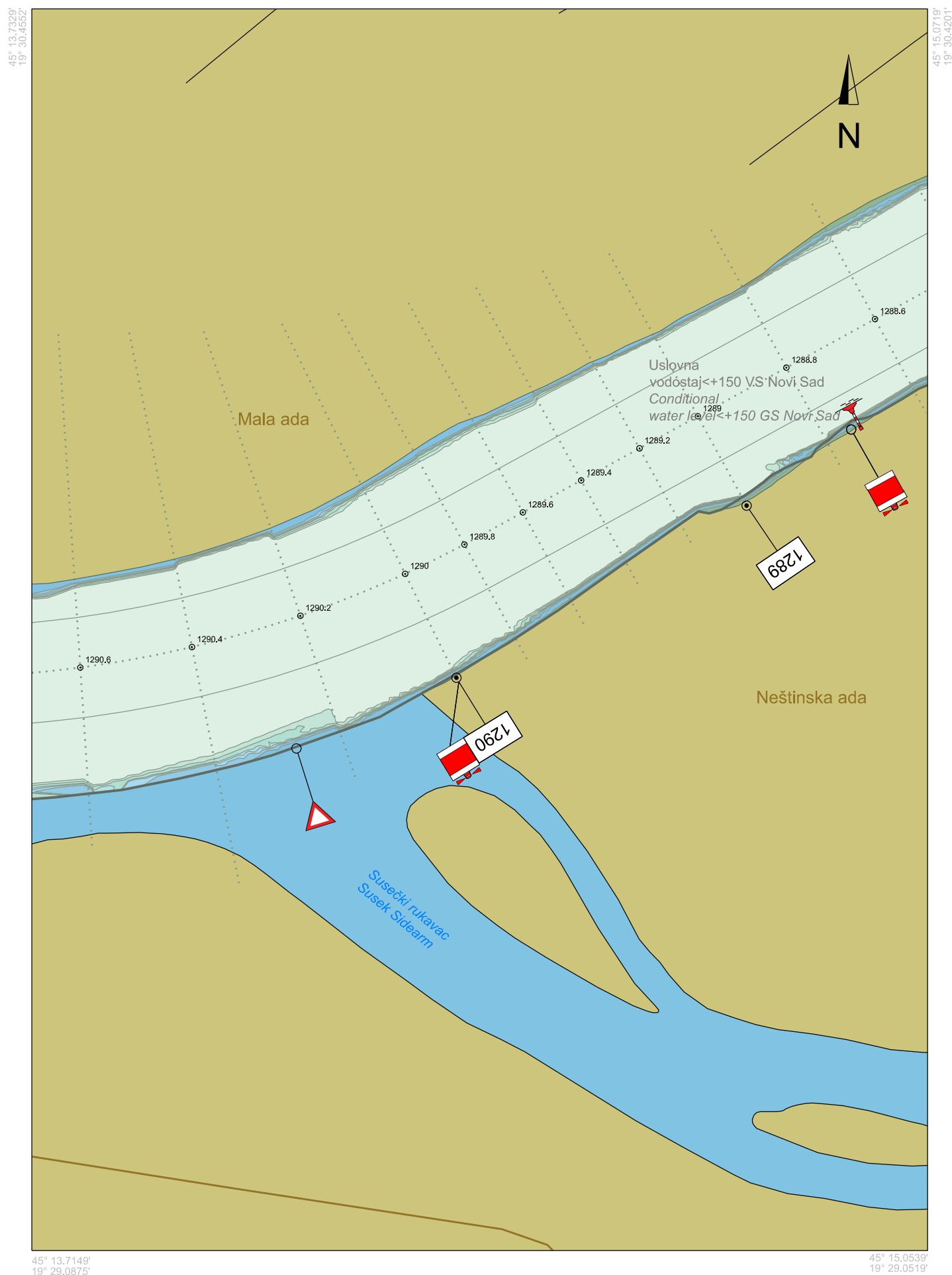
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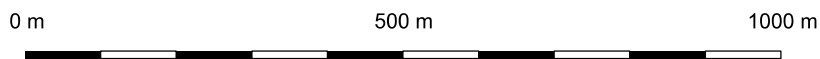
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45° 13.6966'
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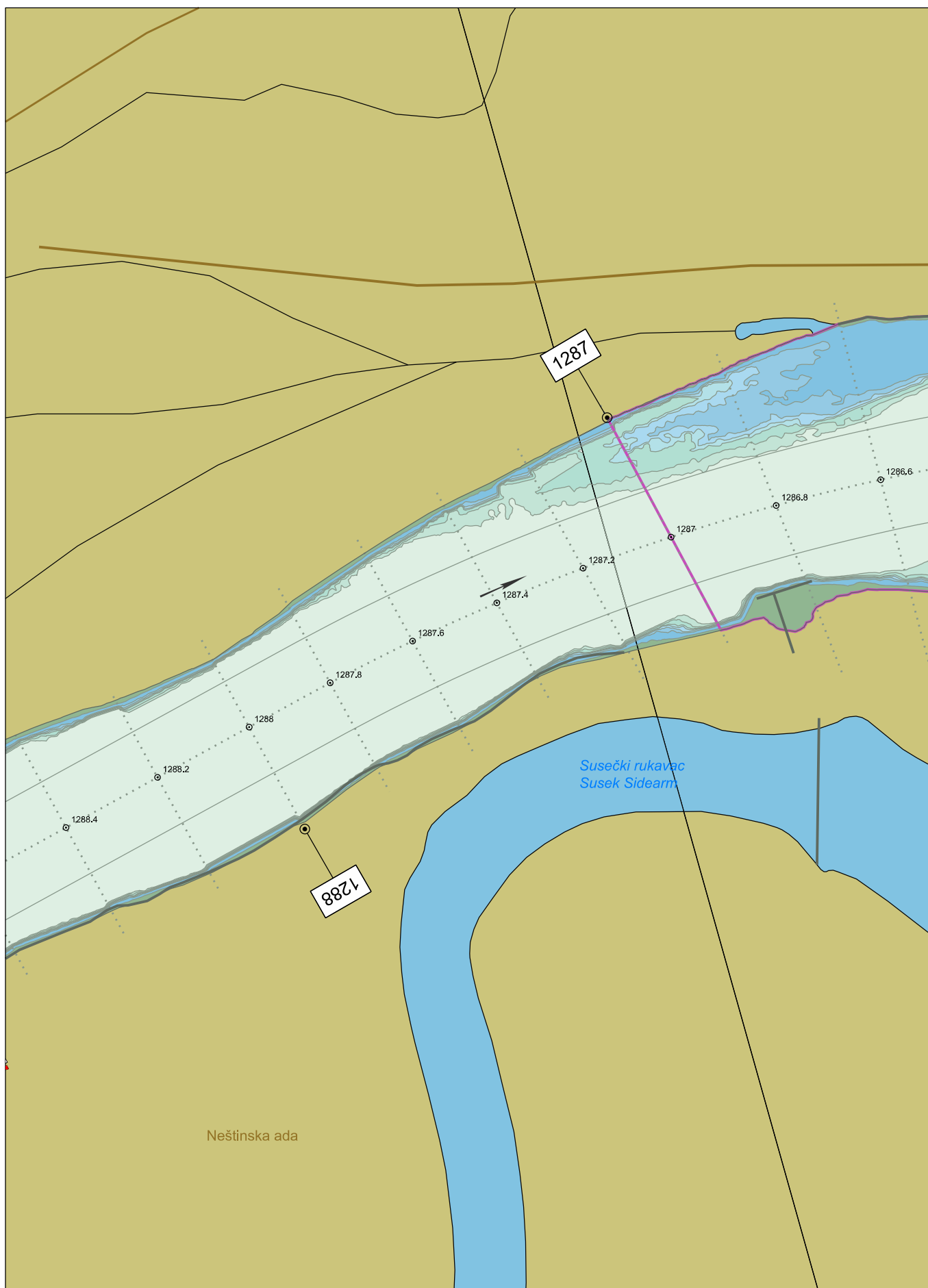
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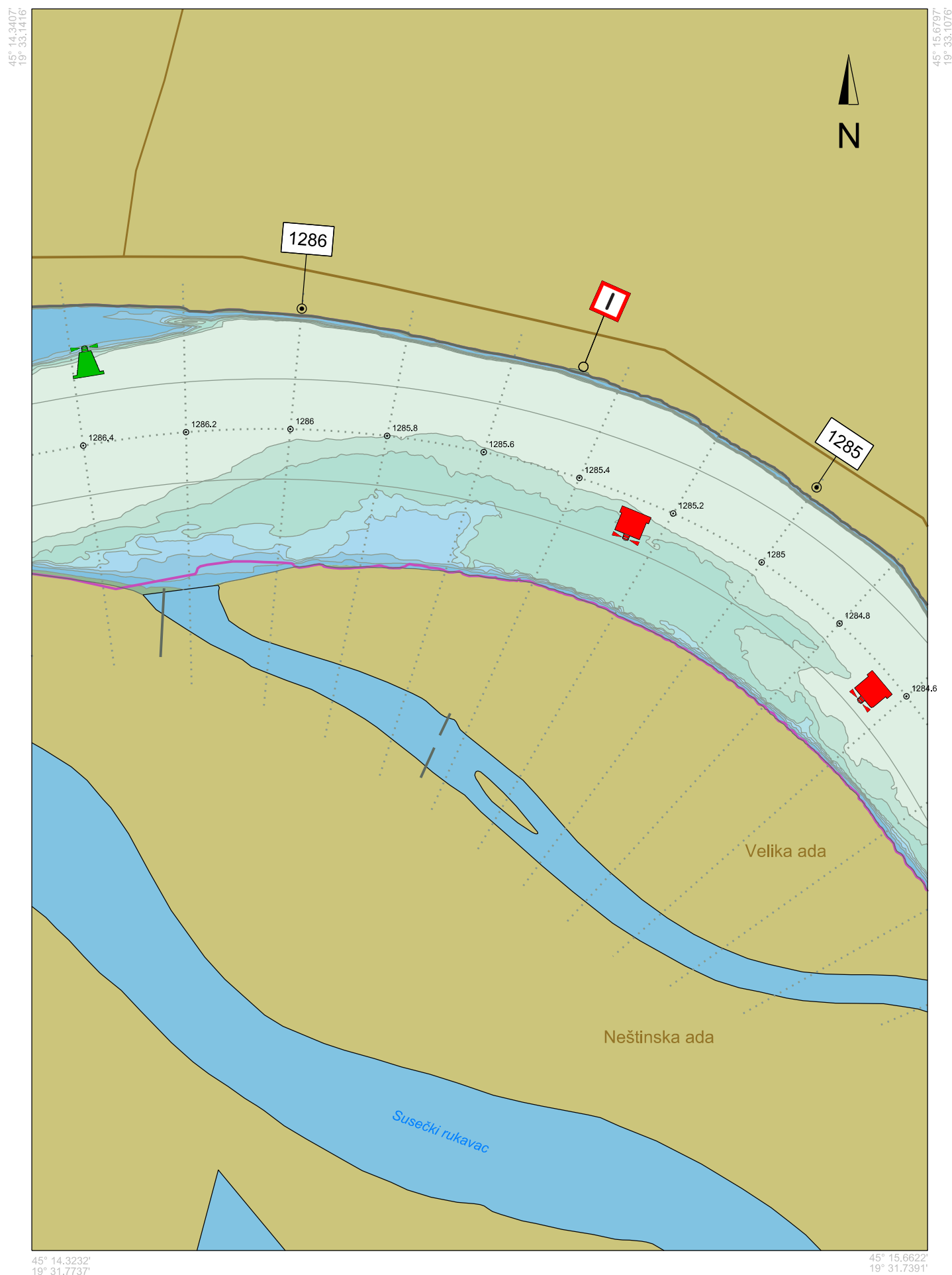
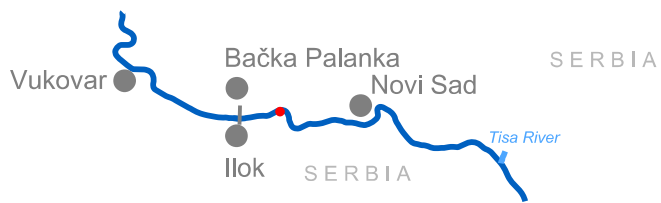
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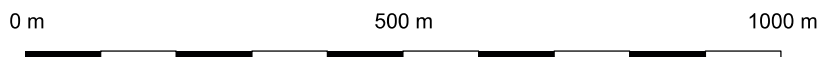
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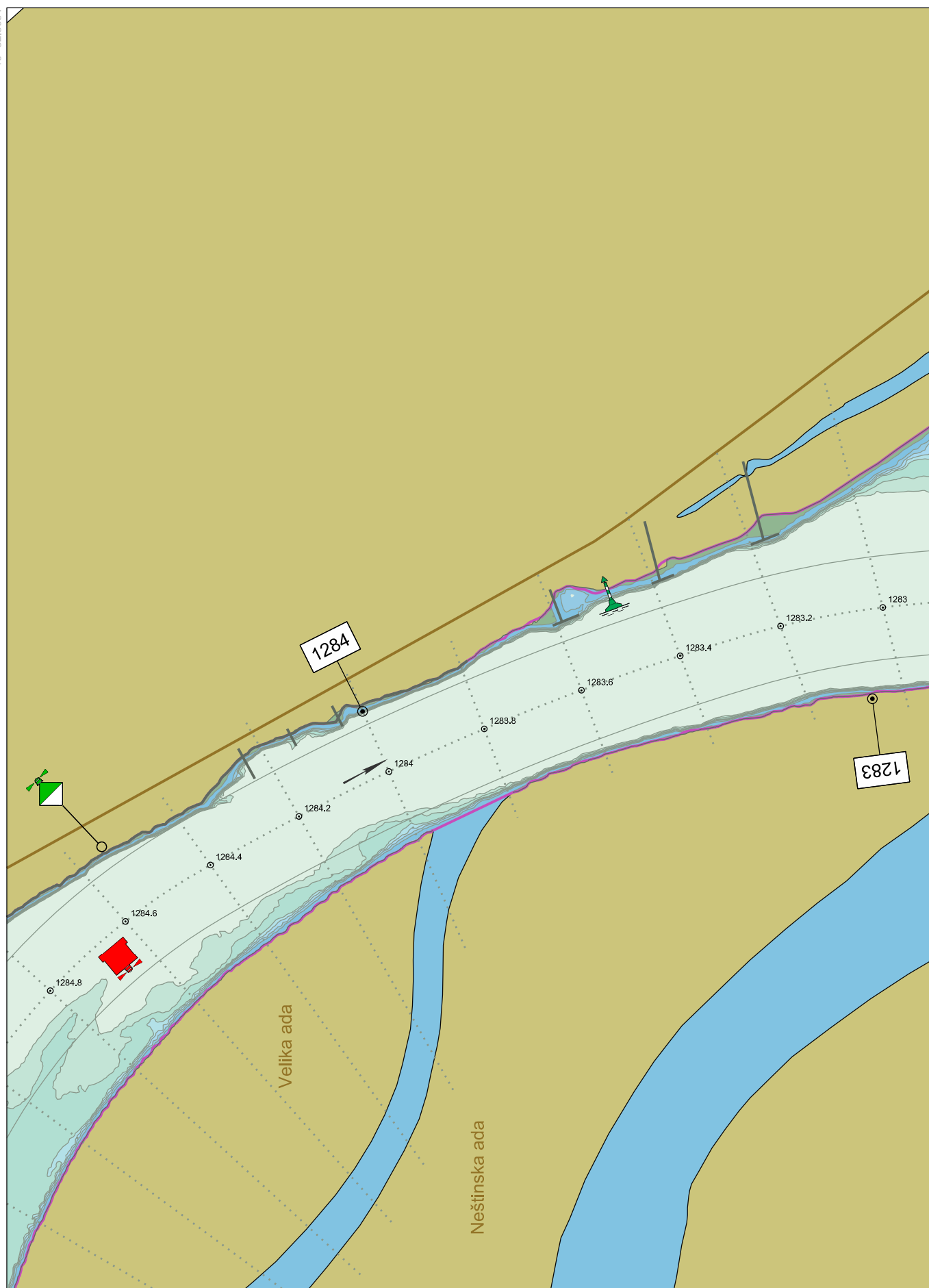
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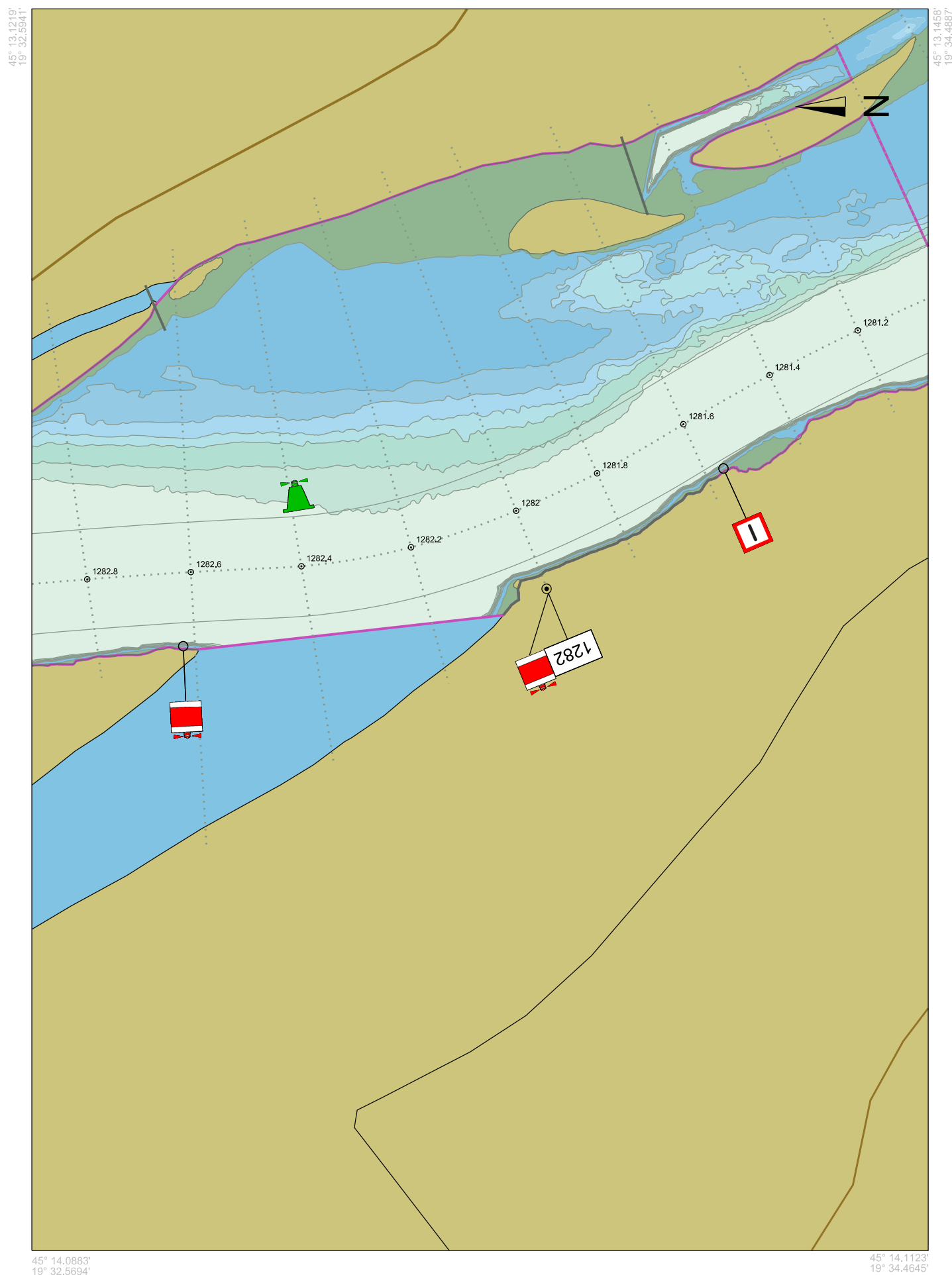


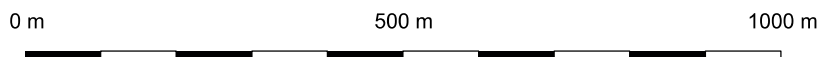
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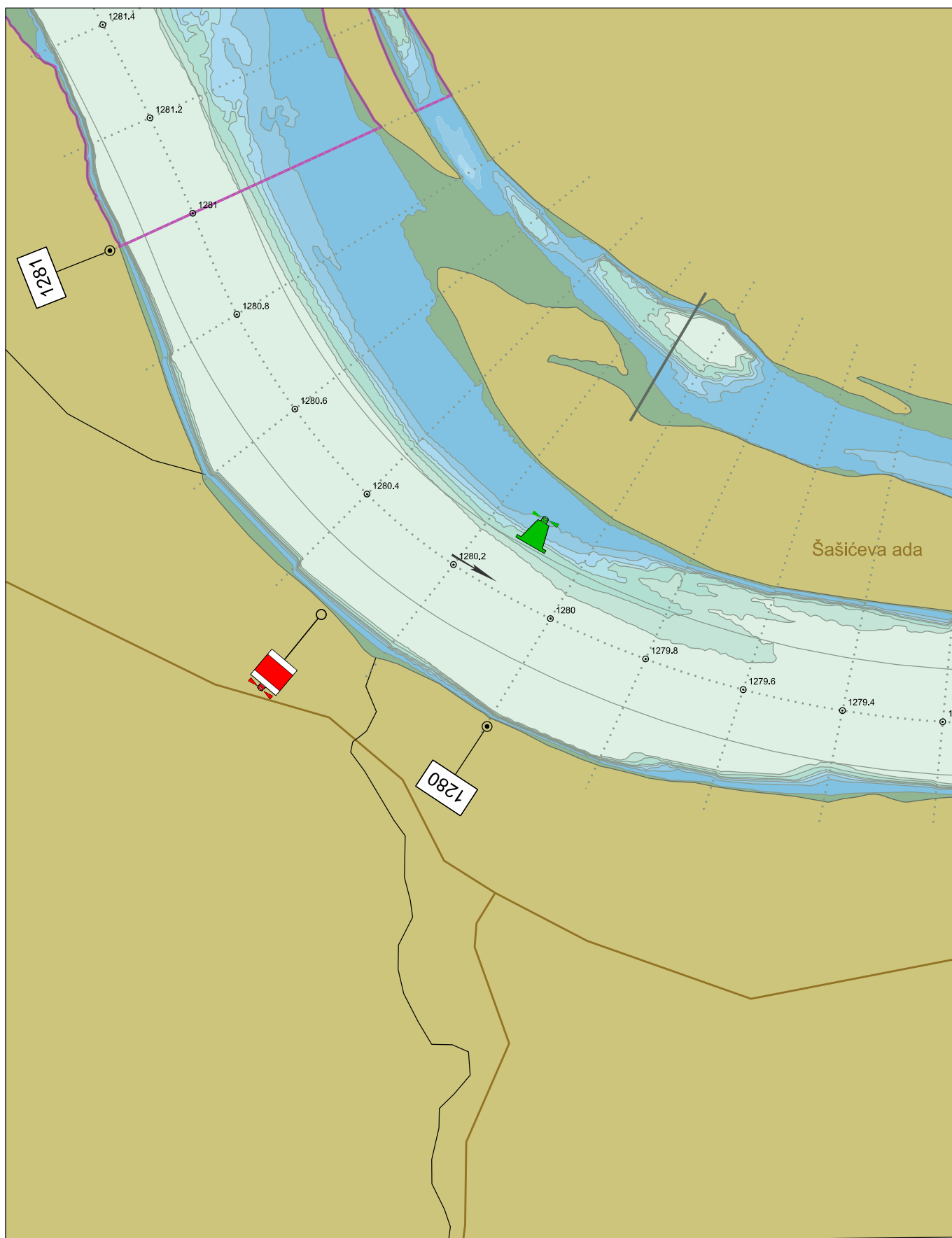


km 1284.8 - 1281.2





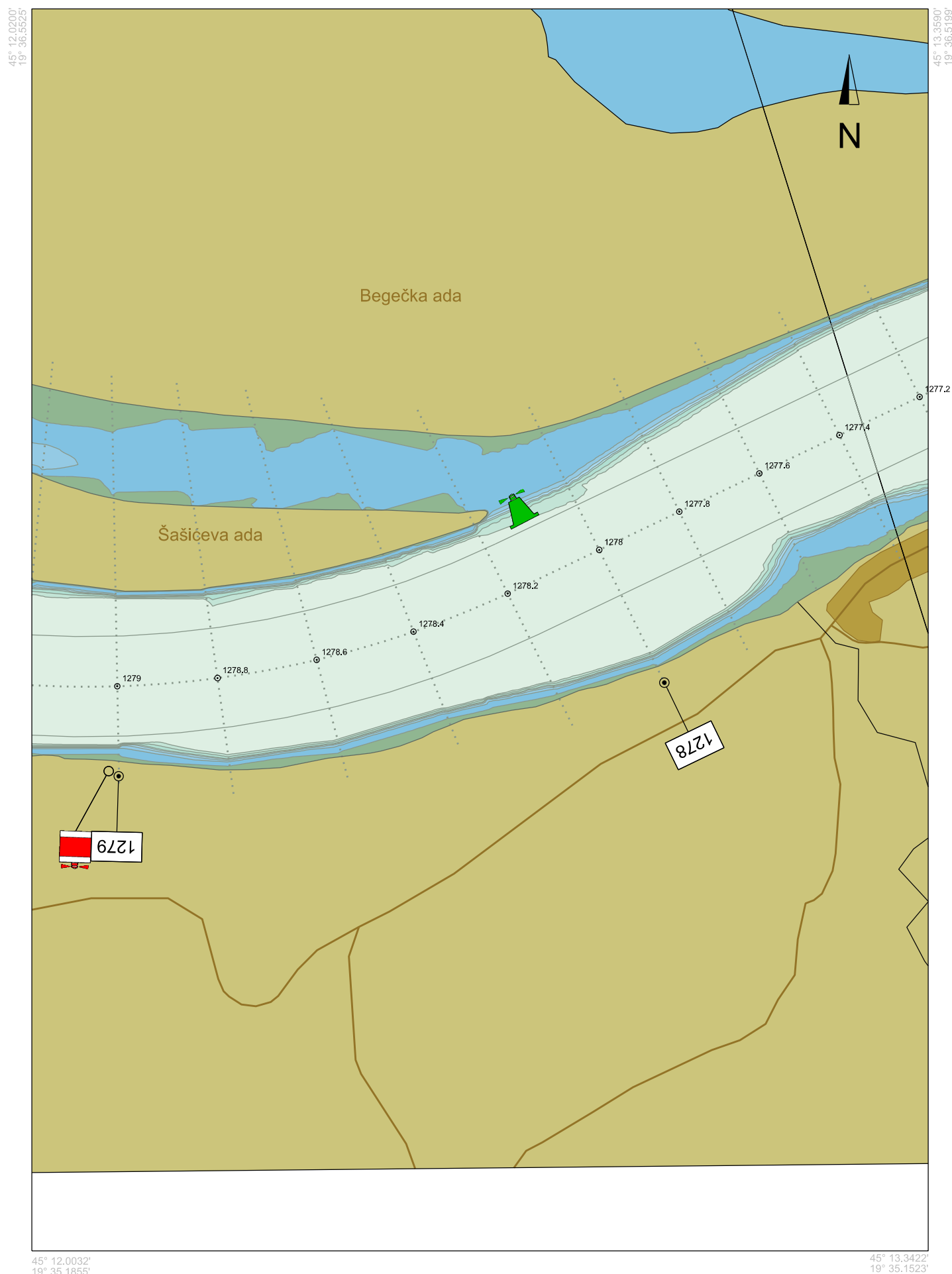
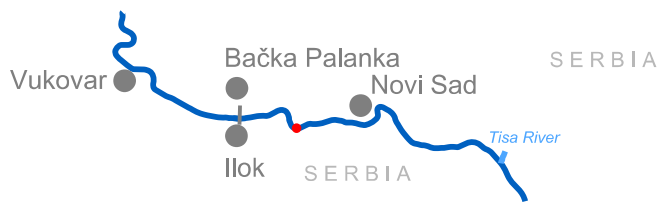
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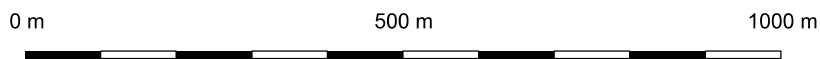


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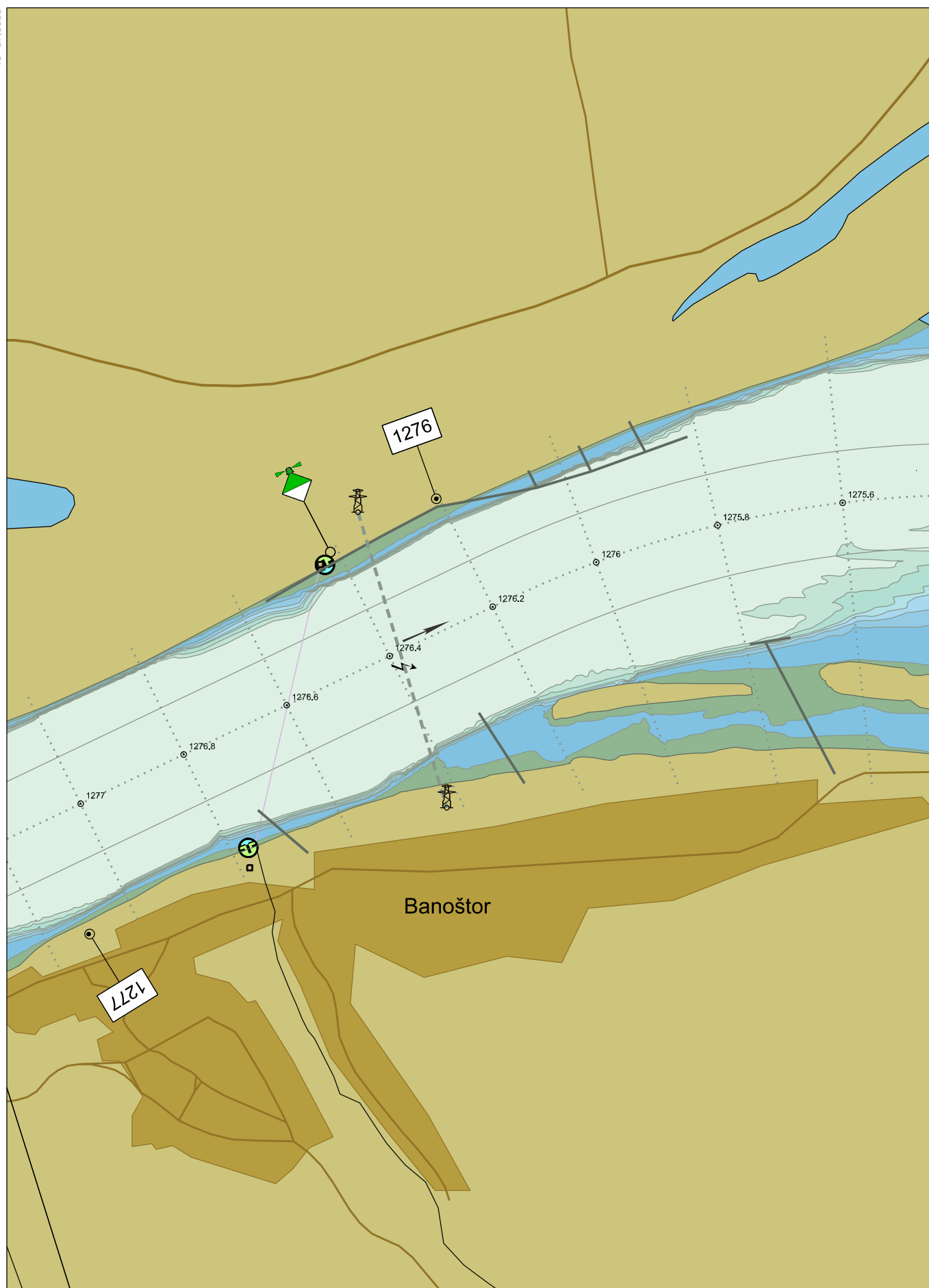
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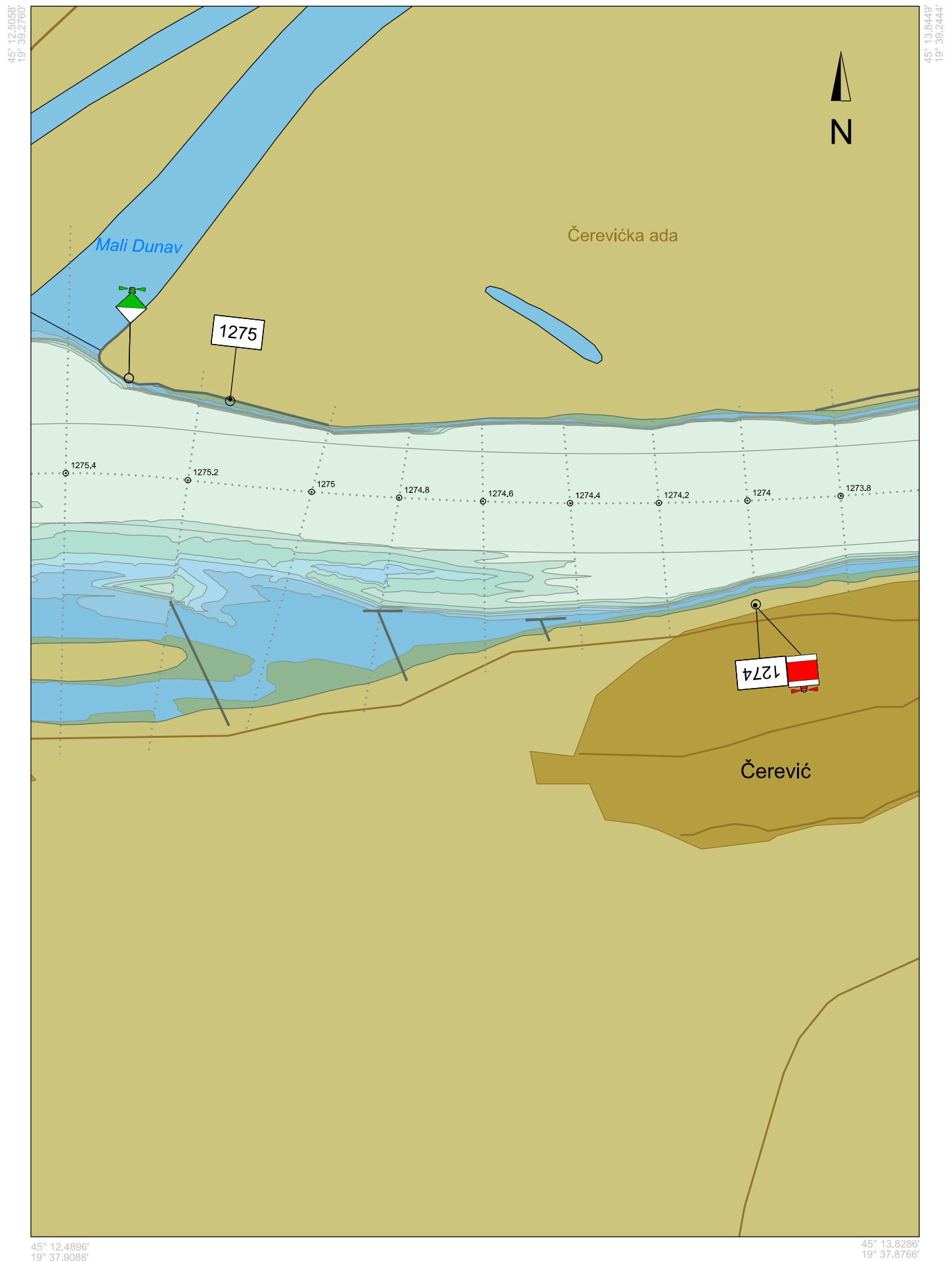
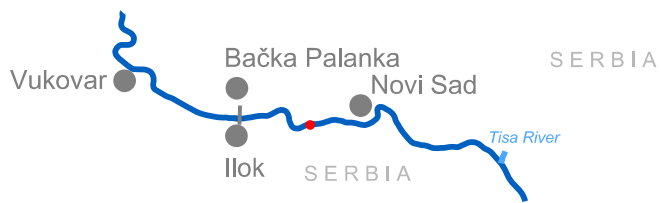
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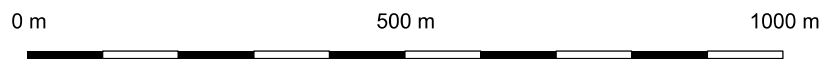
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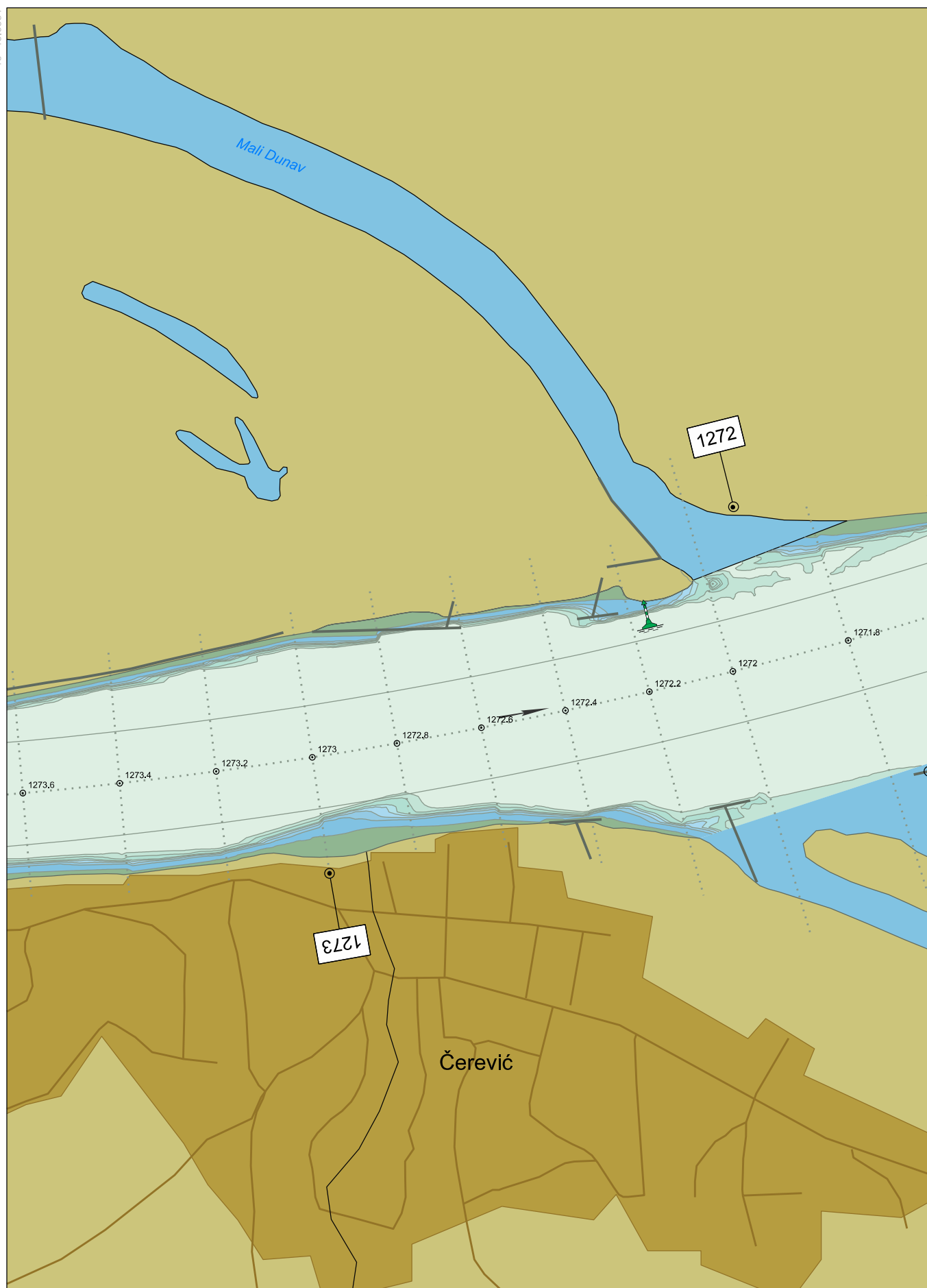
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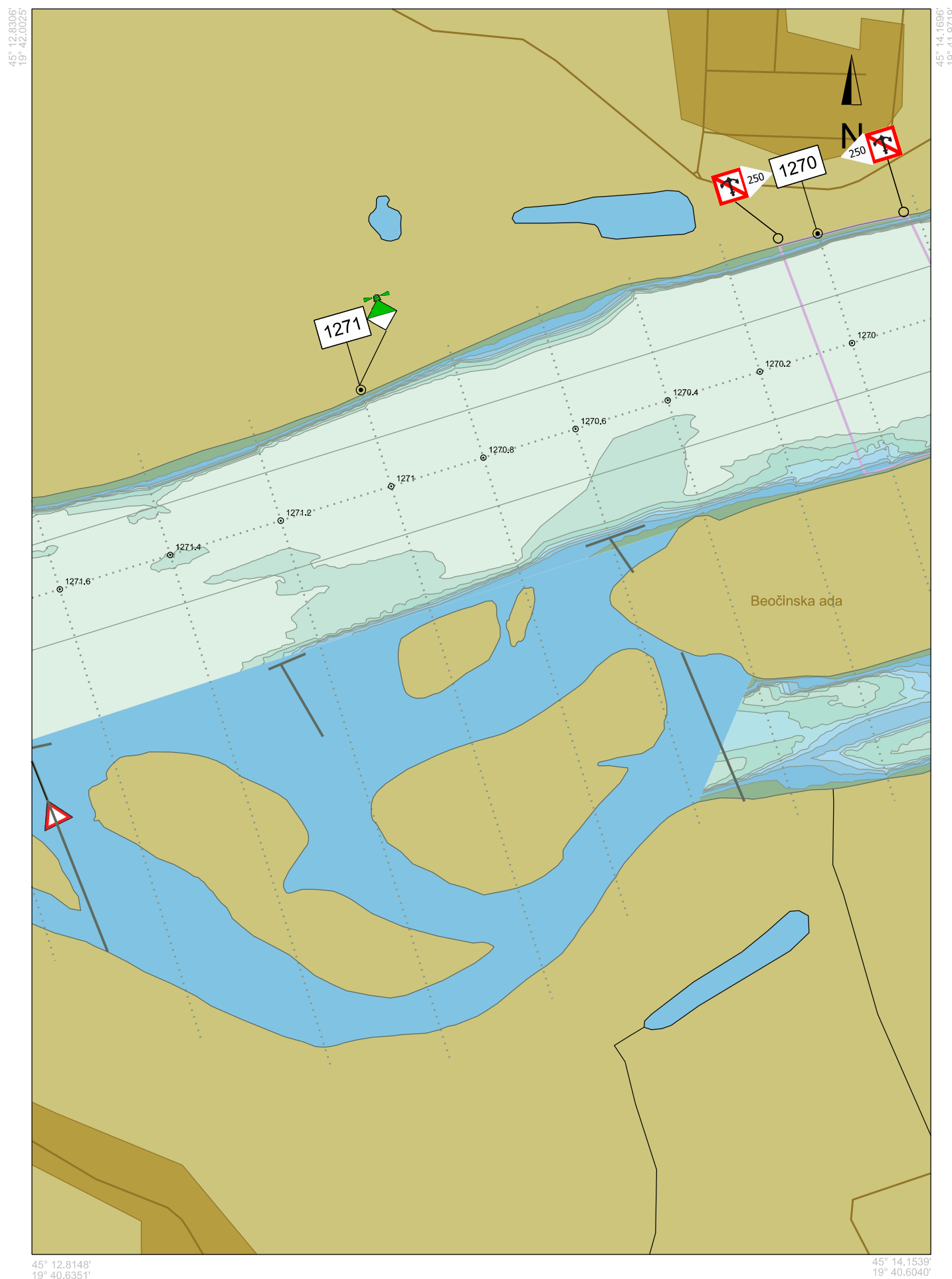
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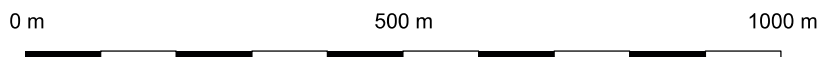
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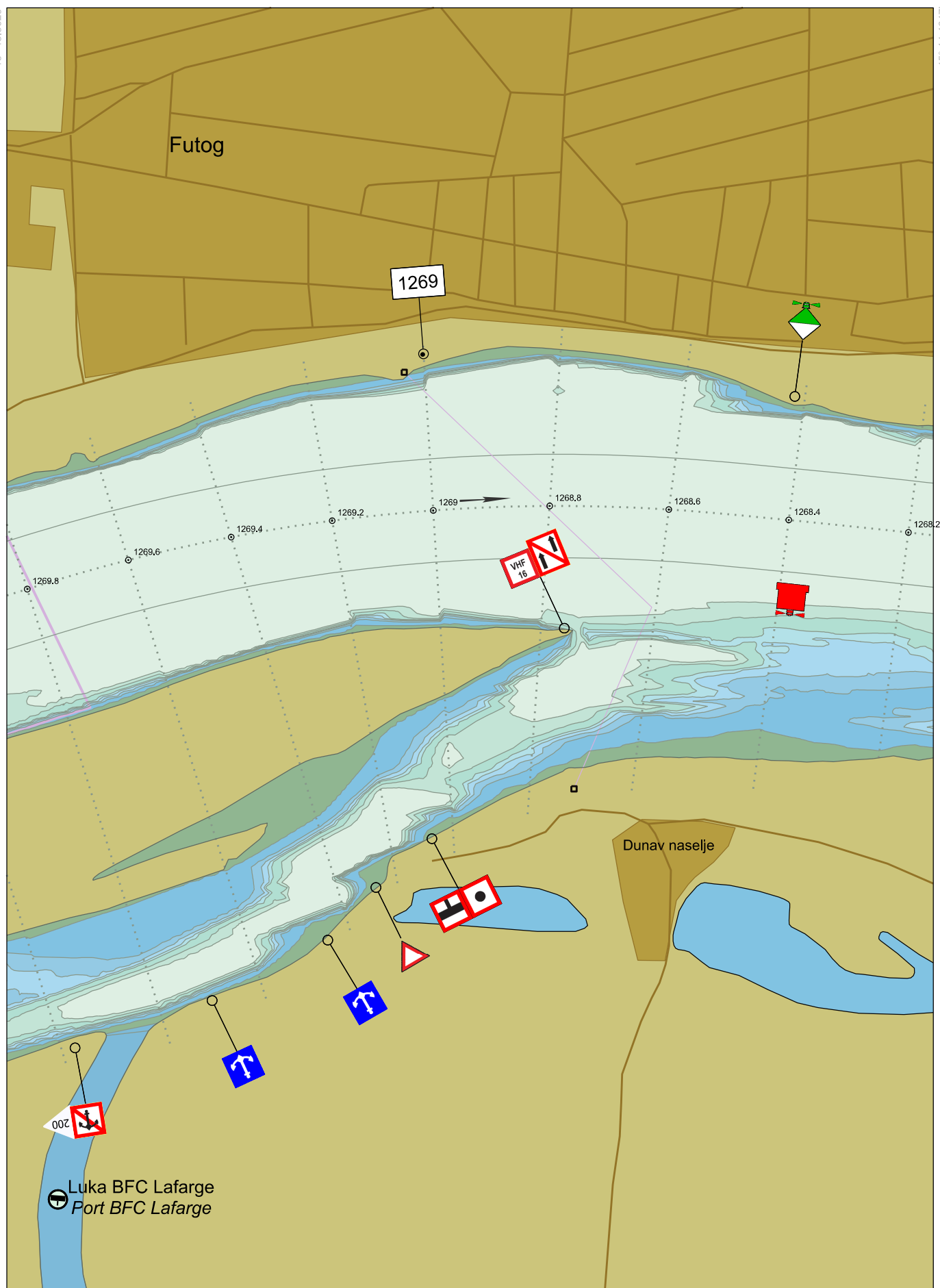
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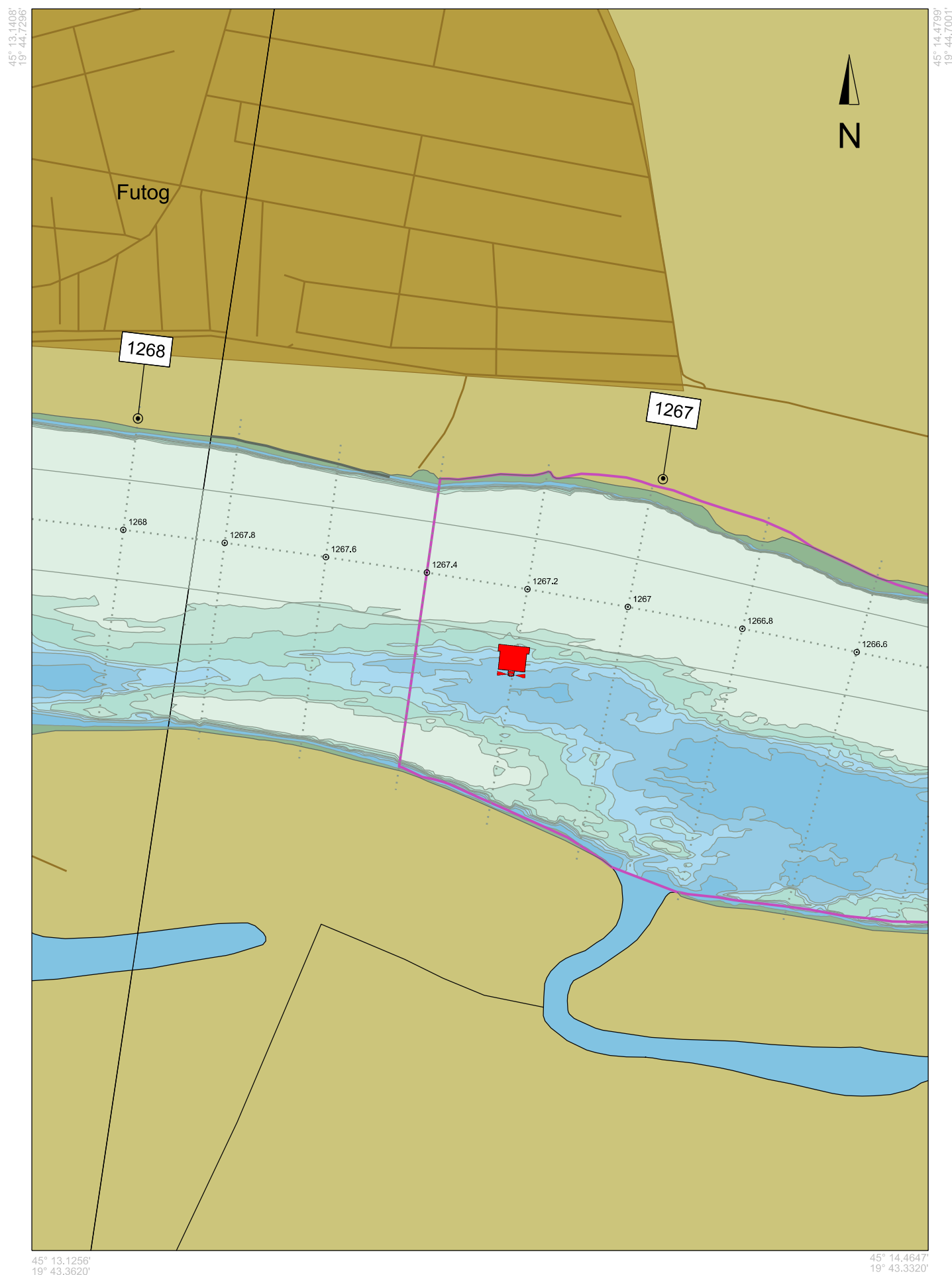
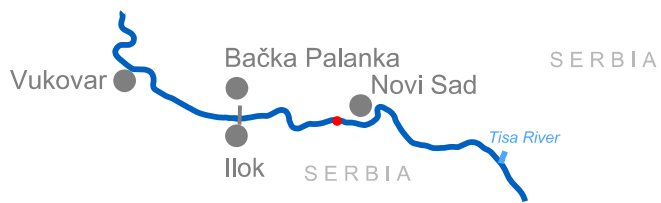
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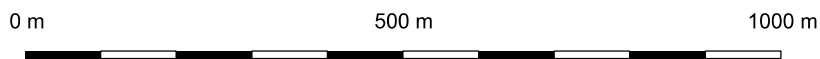
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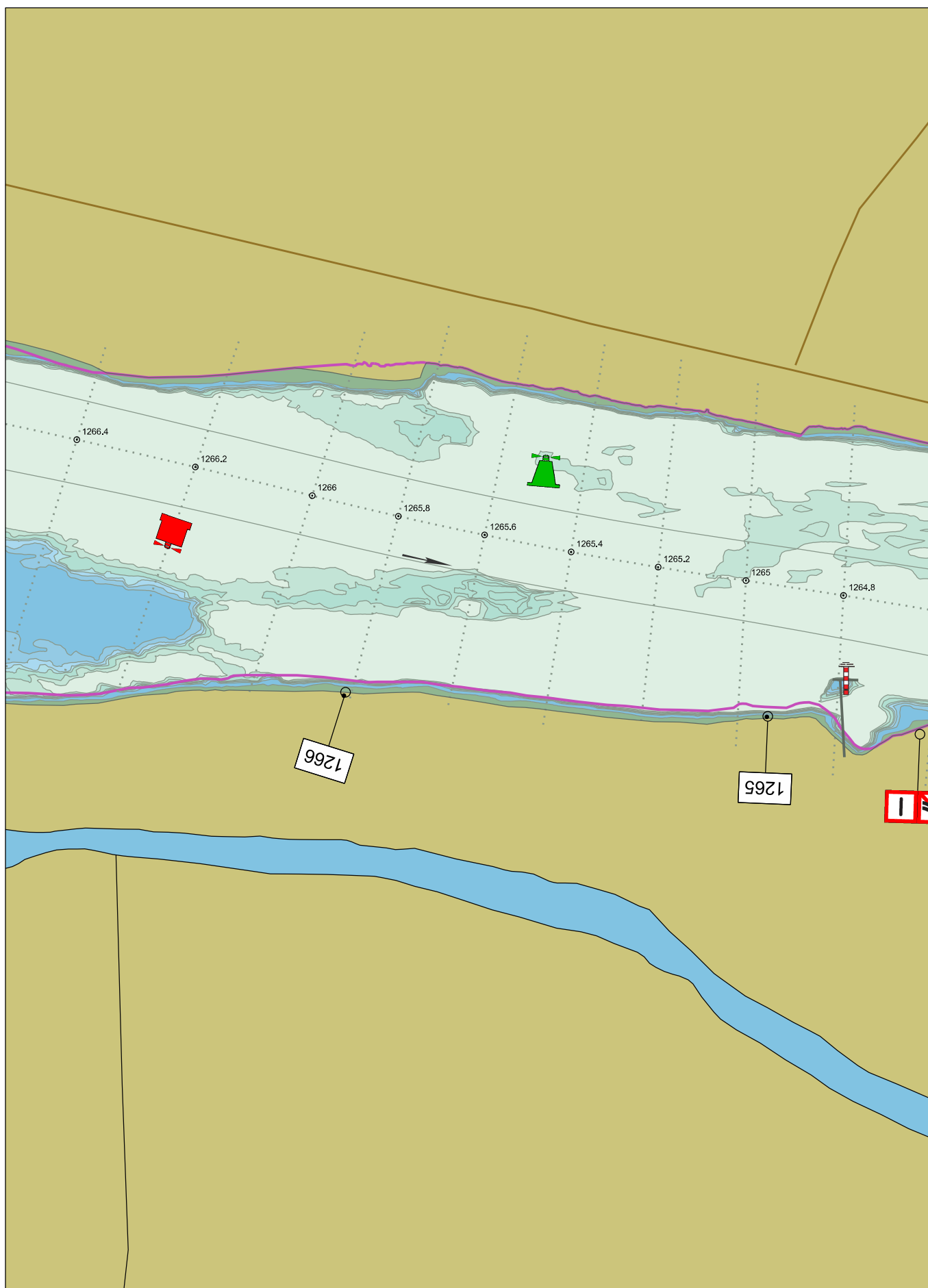
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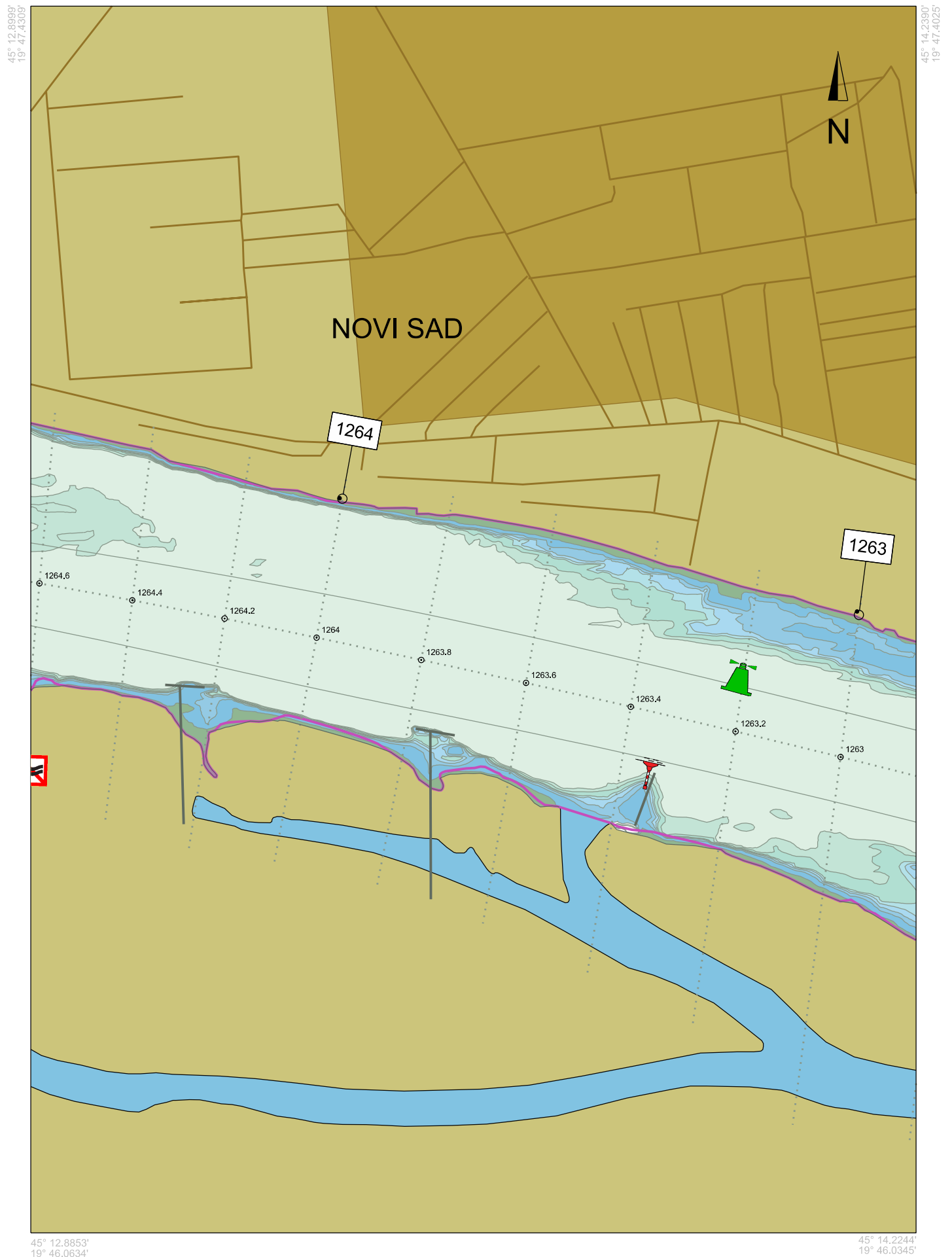
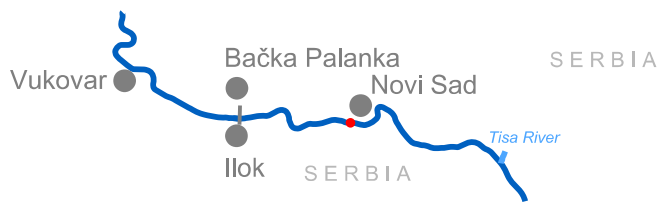
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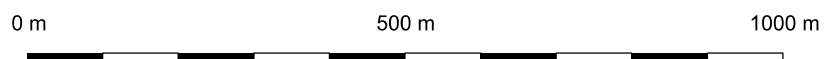
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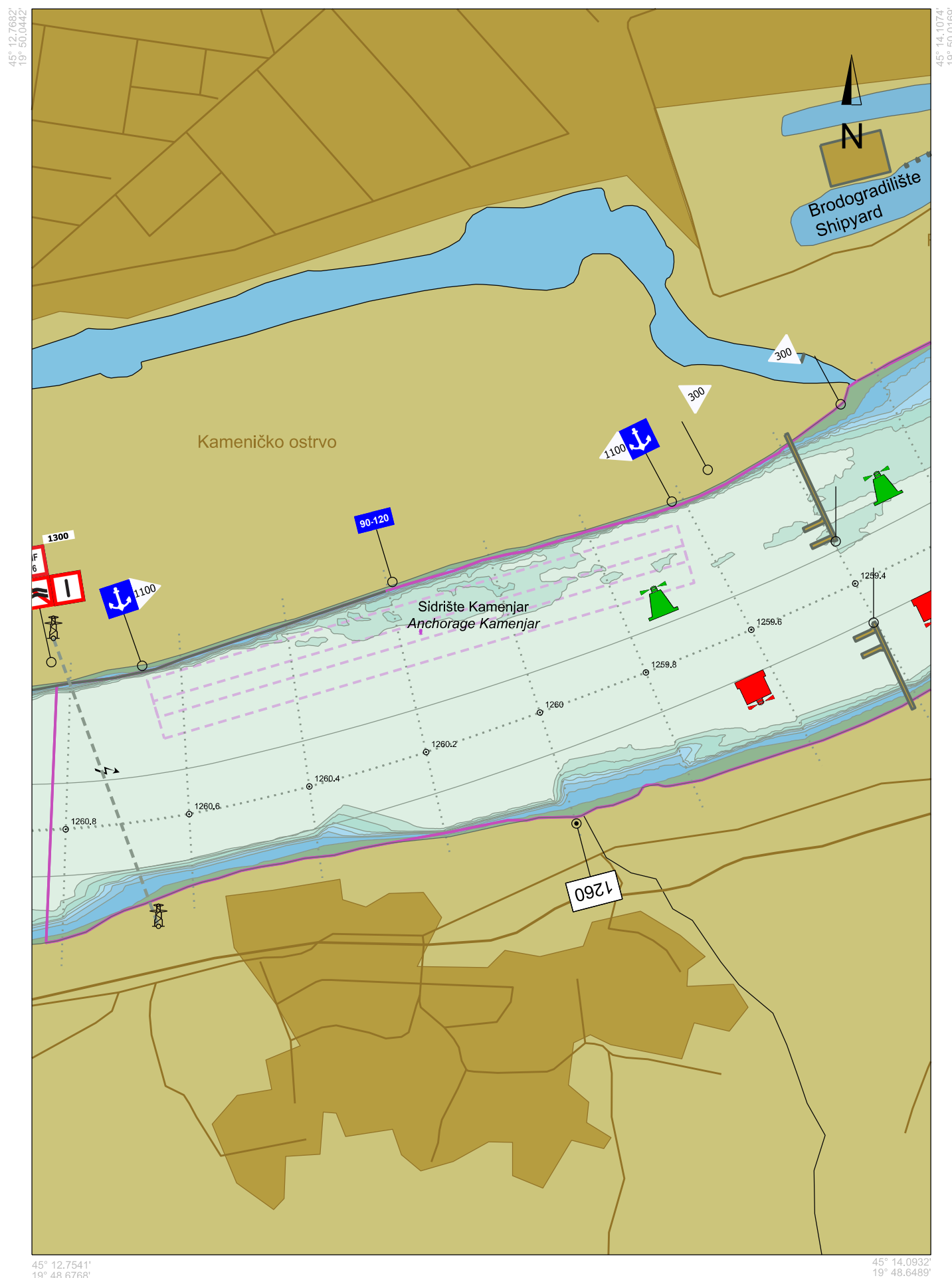
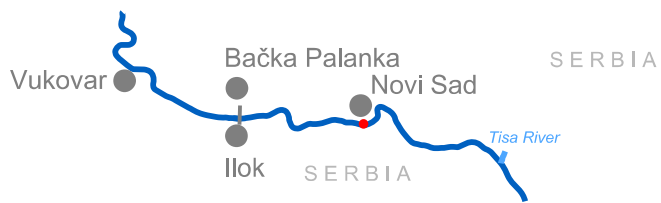


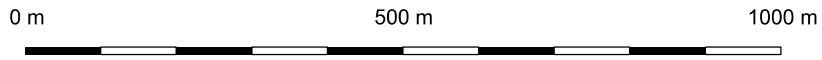
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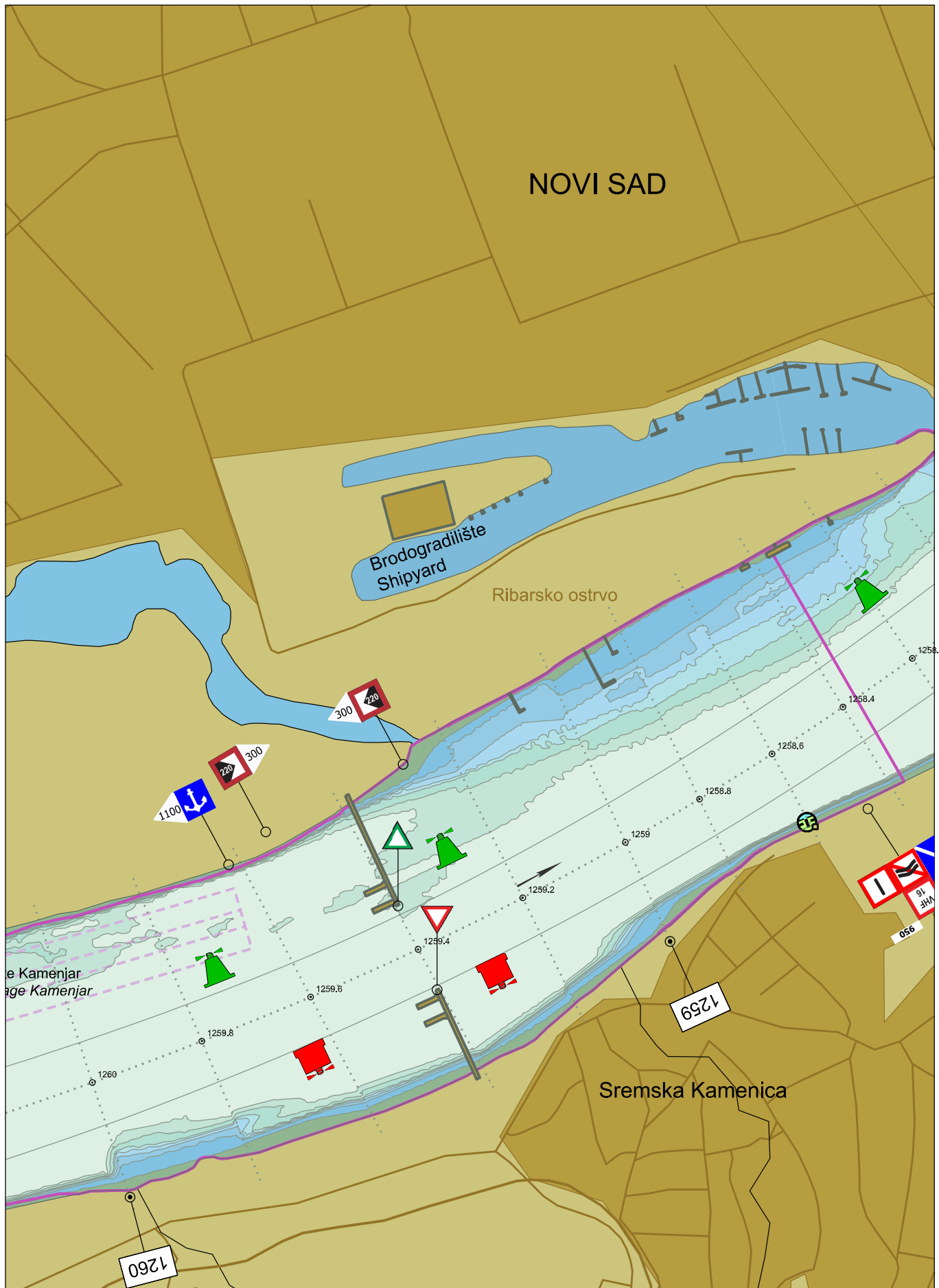








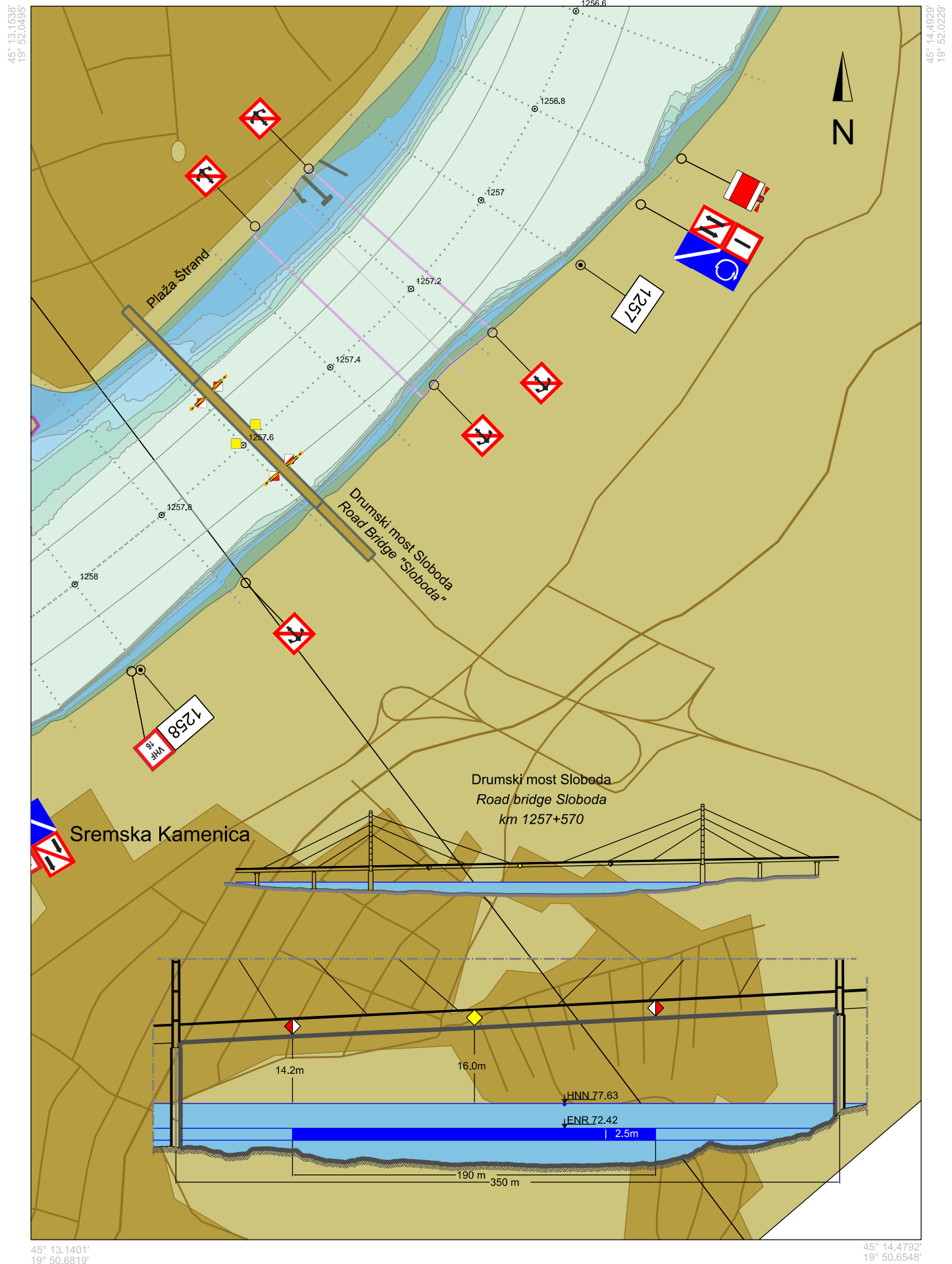
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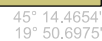


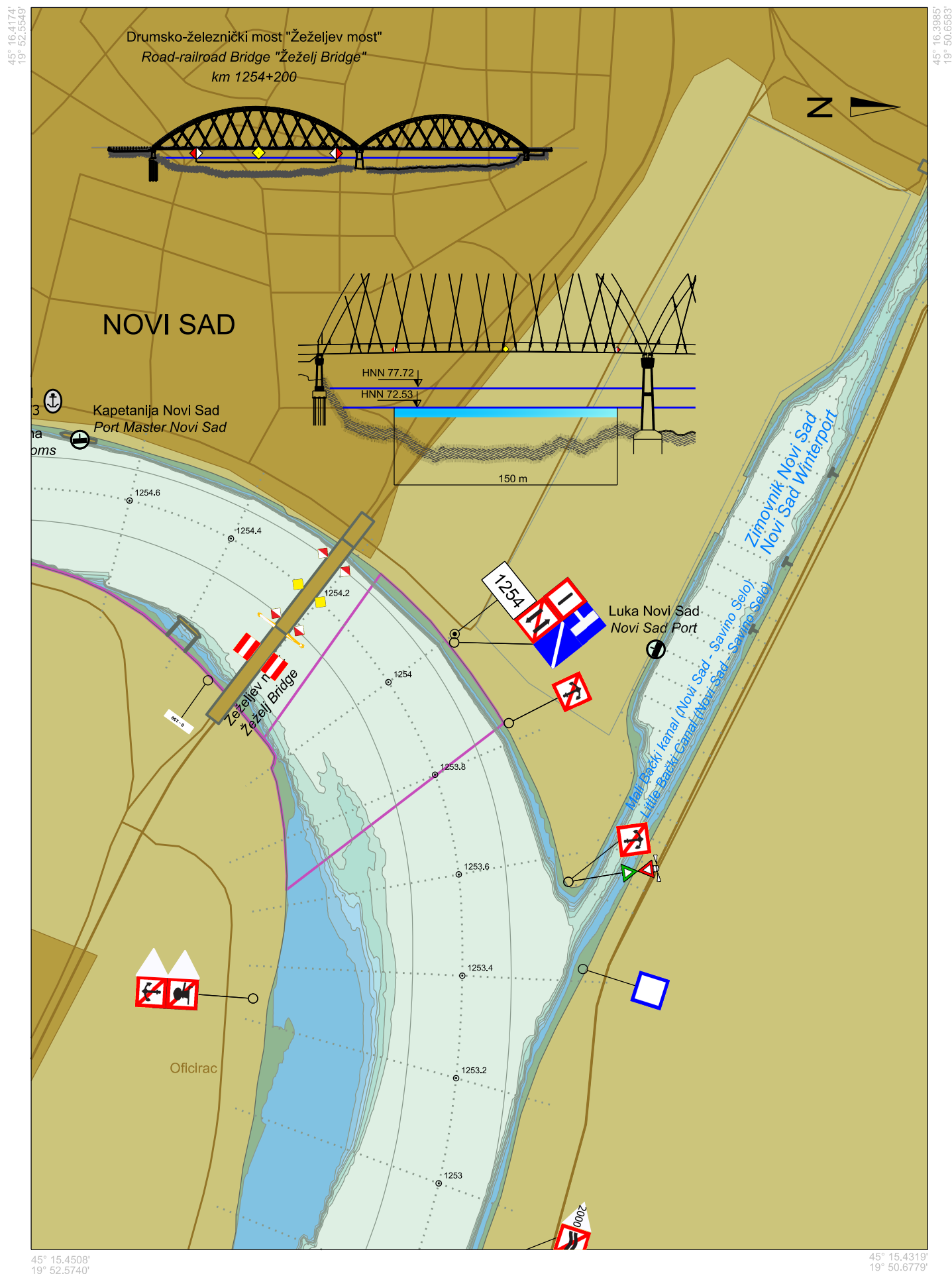
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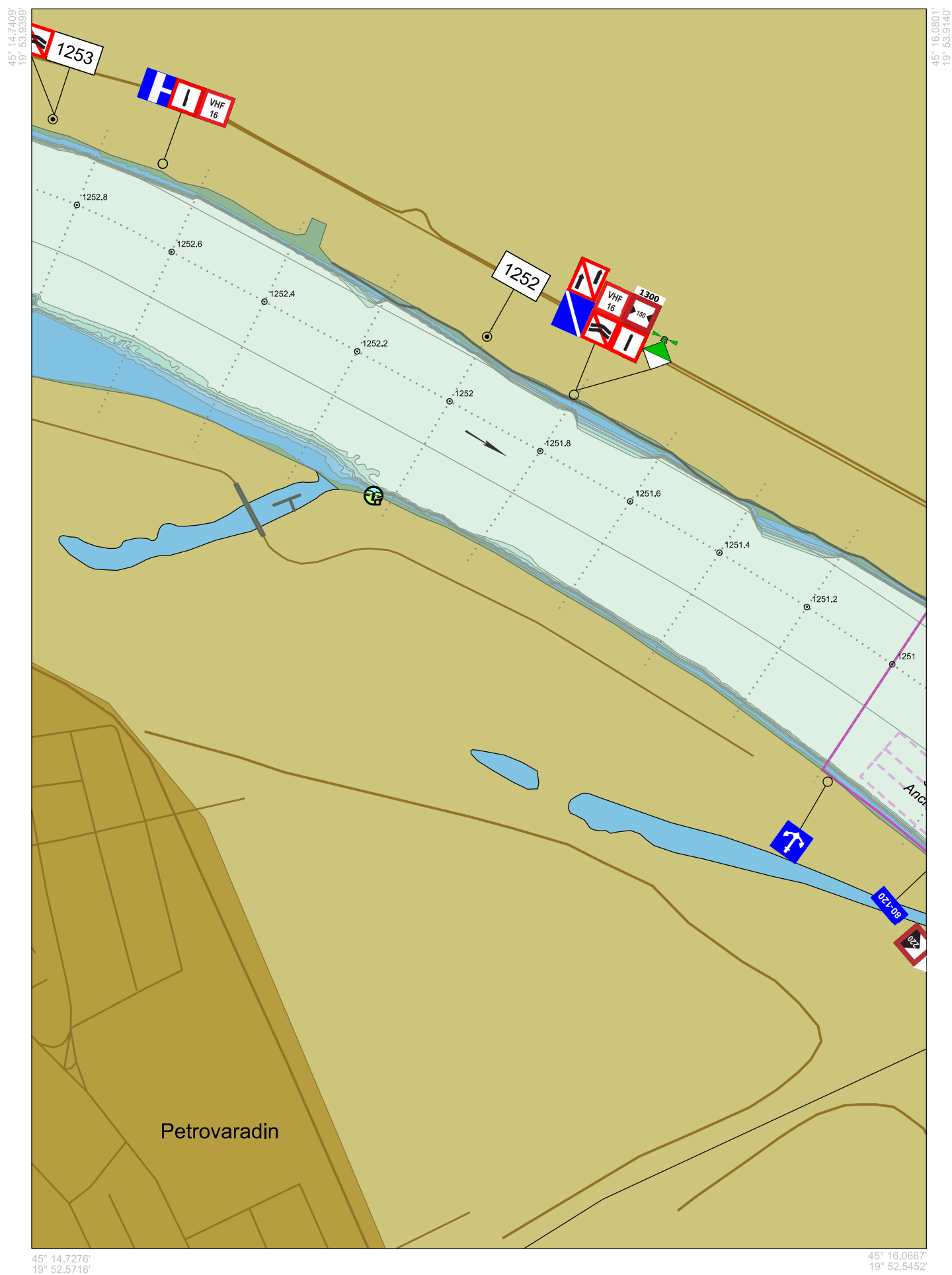
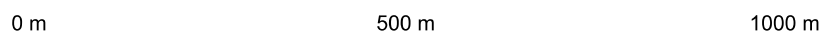
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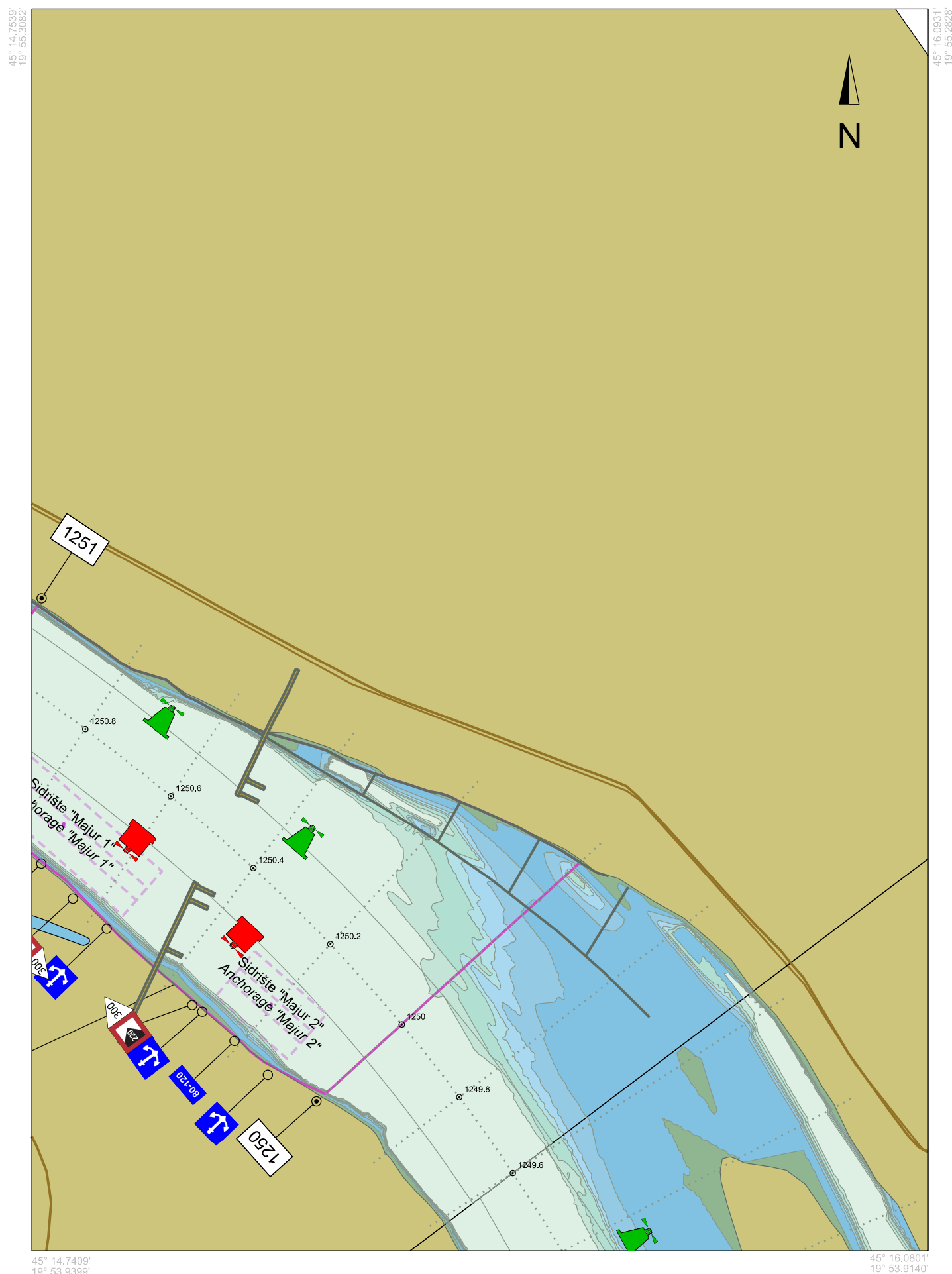
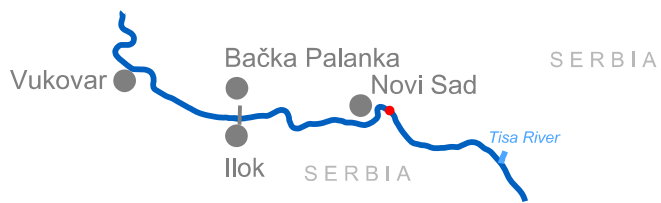
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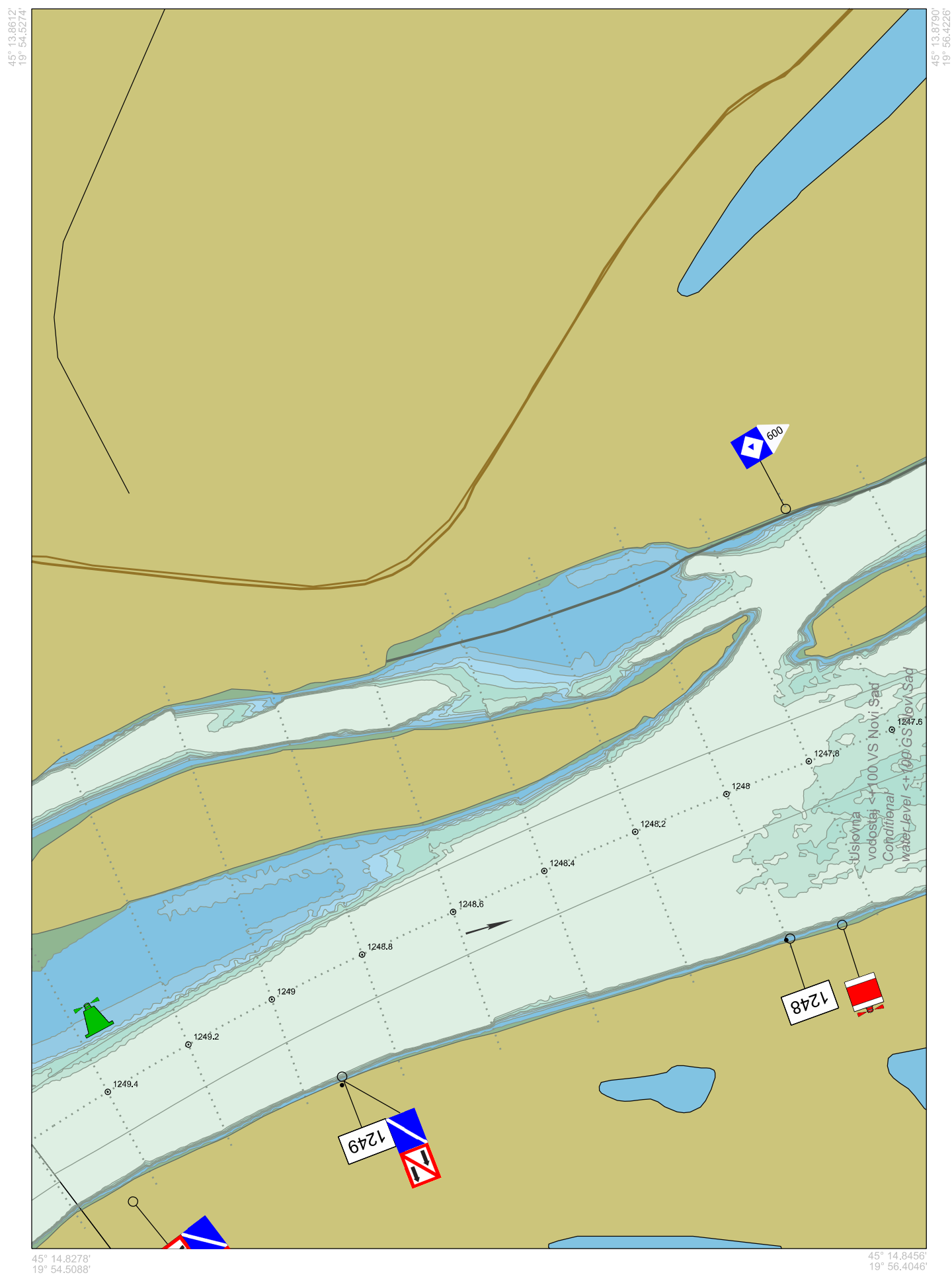
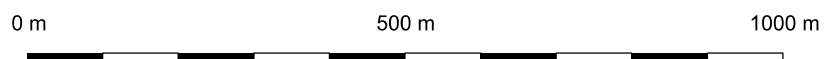


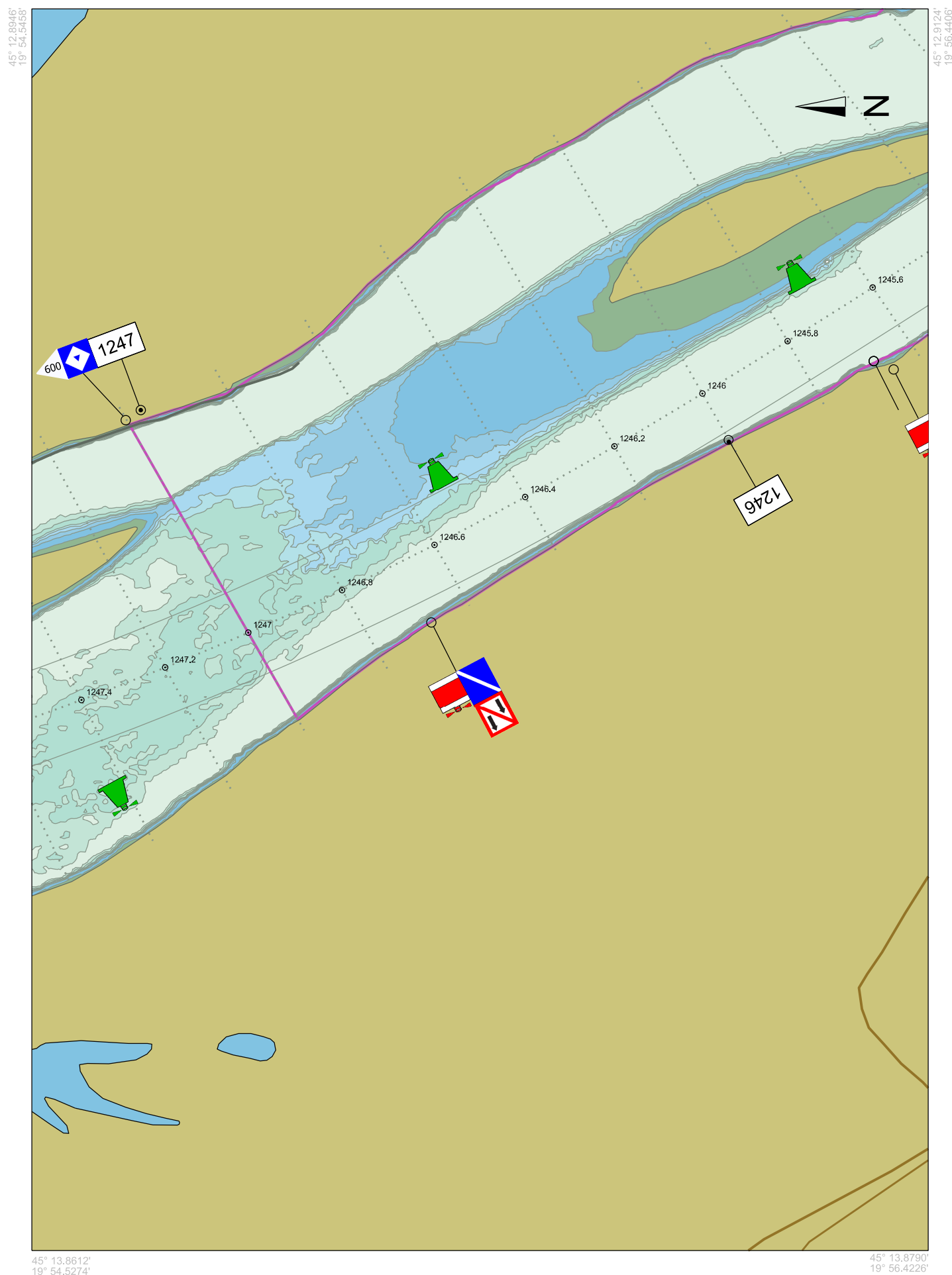
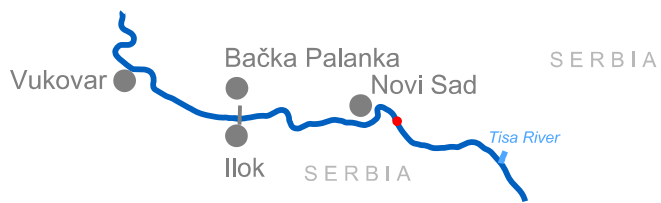


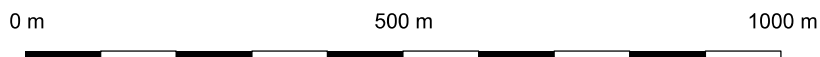






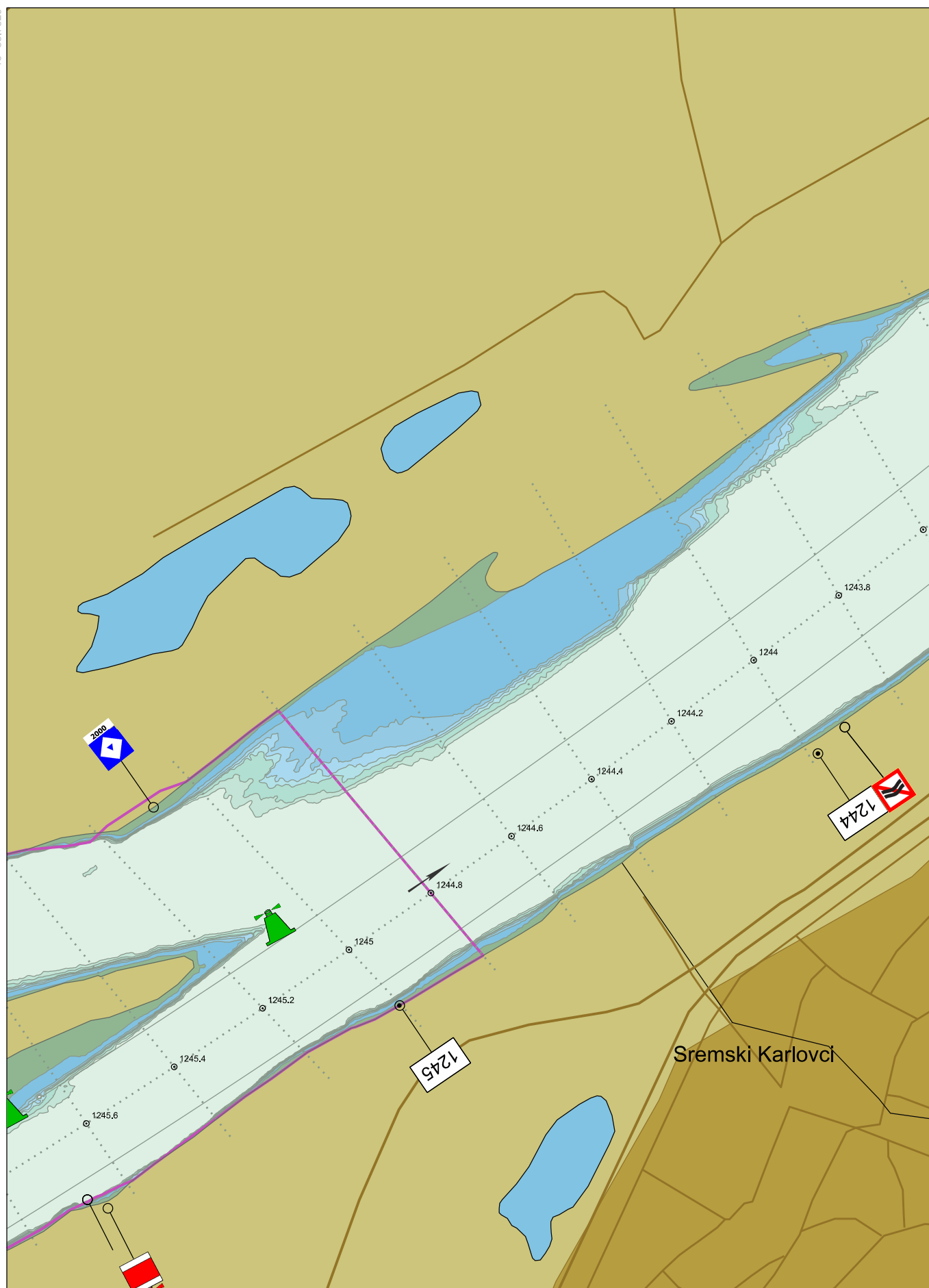






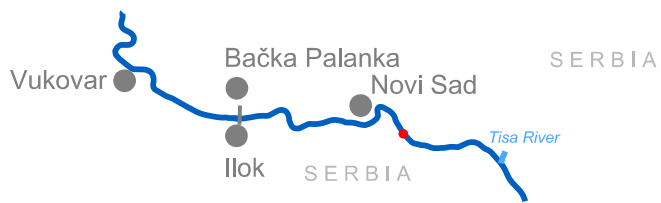
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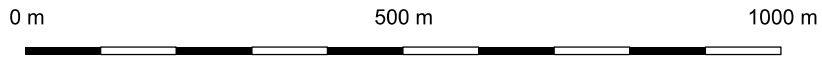
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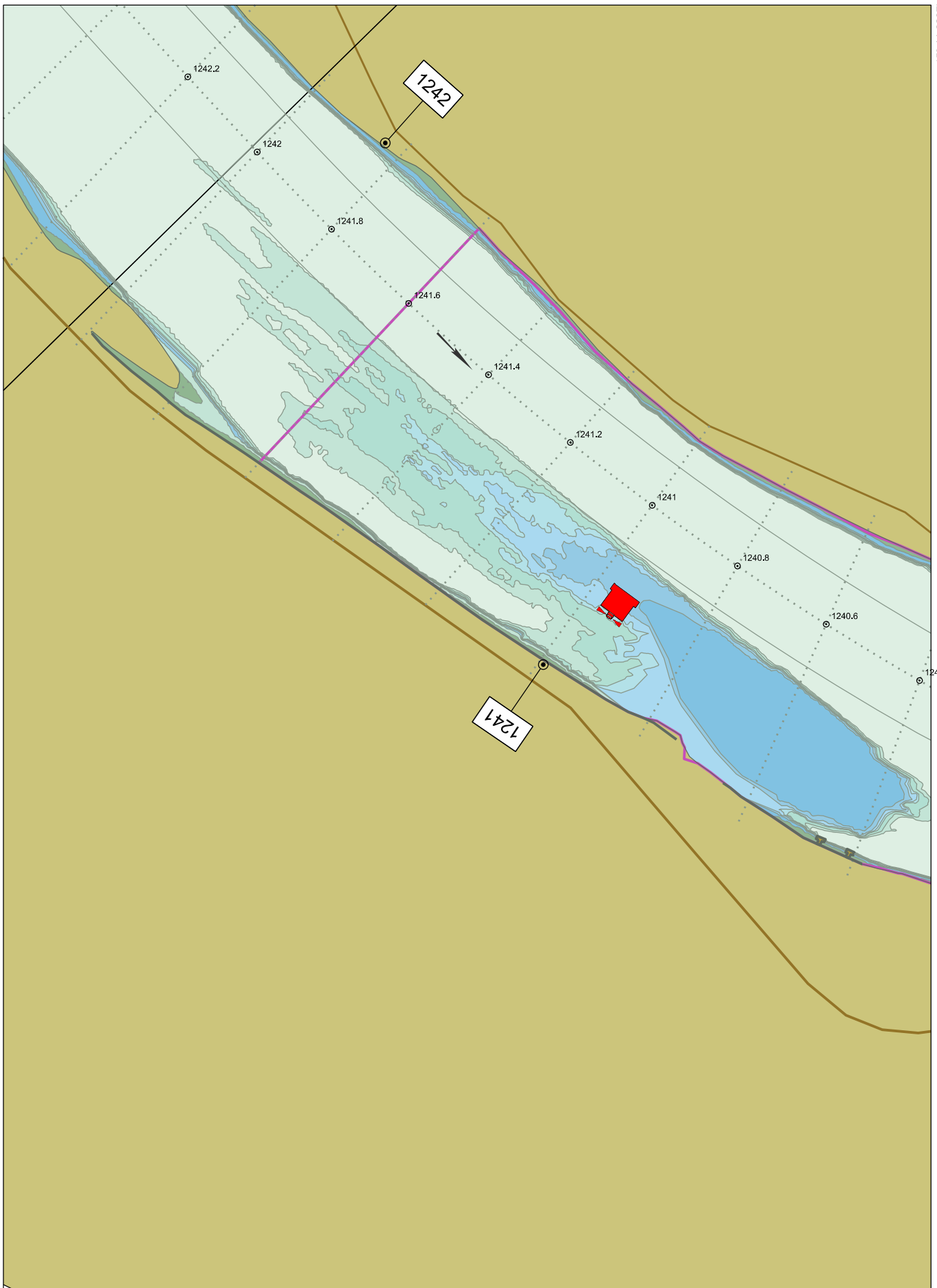
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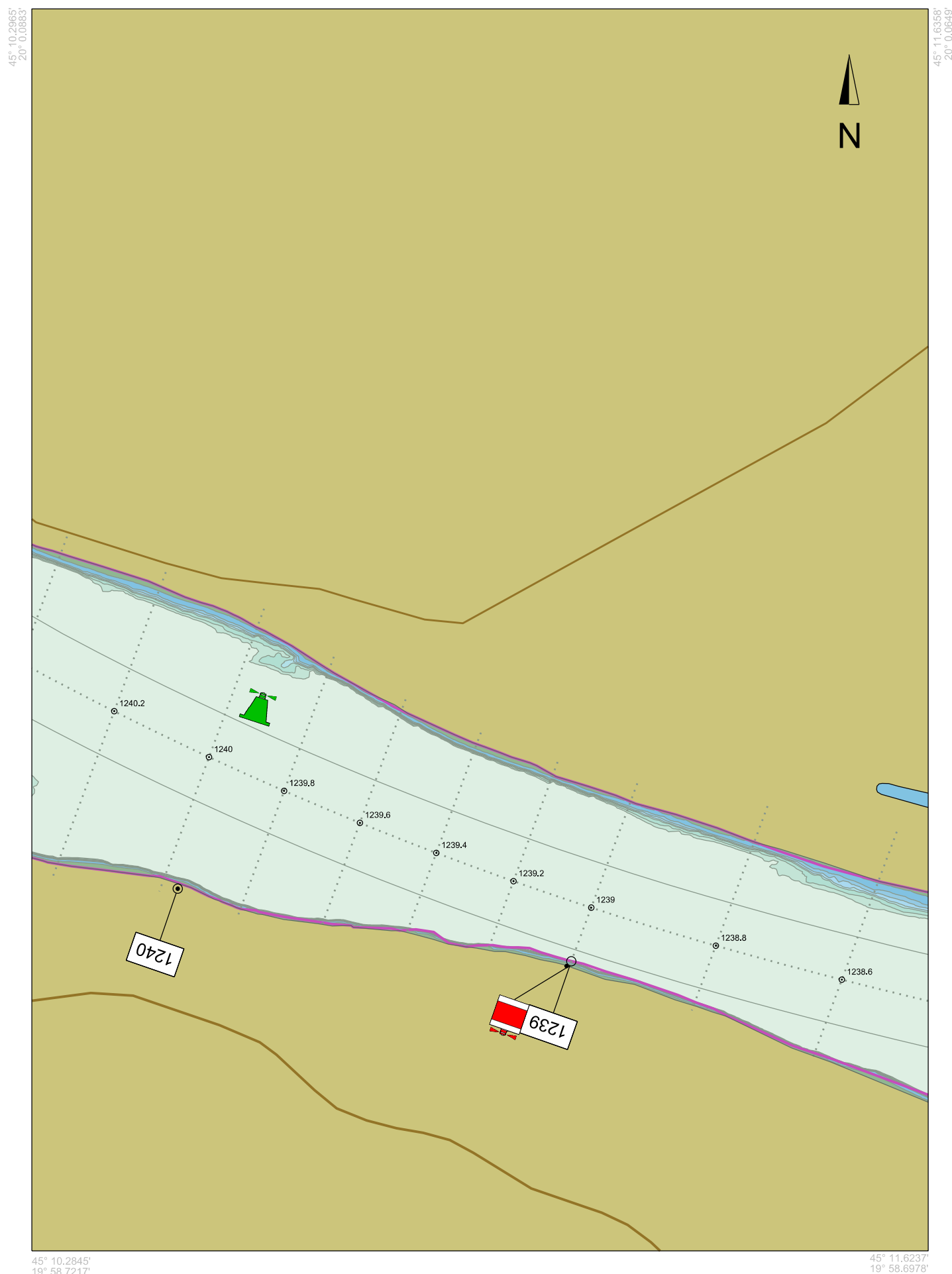
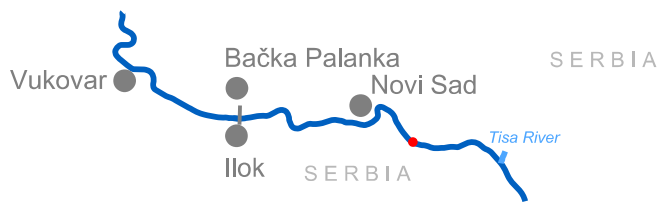
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19° 58.7217'

45° 11.6237'
19° 58.6978'



45° 10.2721'
19° 57.3552'

45° 11.6113'
19° 57.3307'



0 m 500 m 1000 m

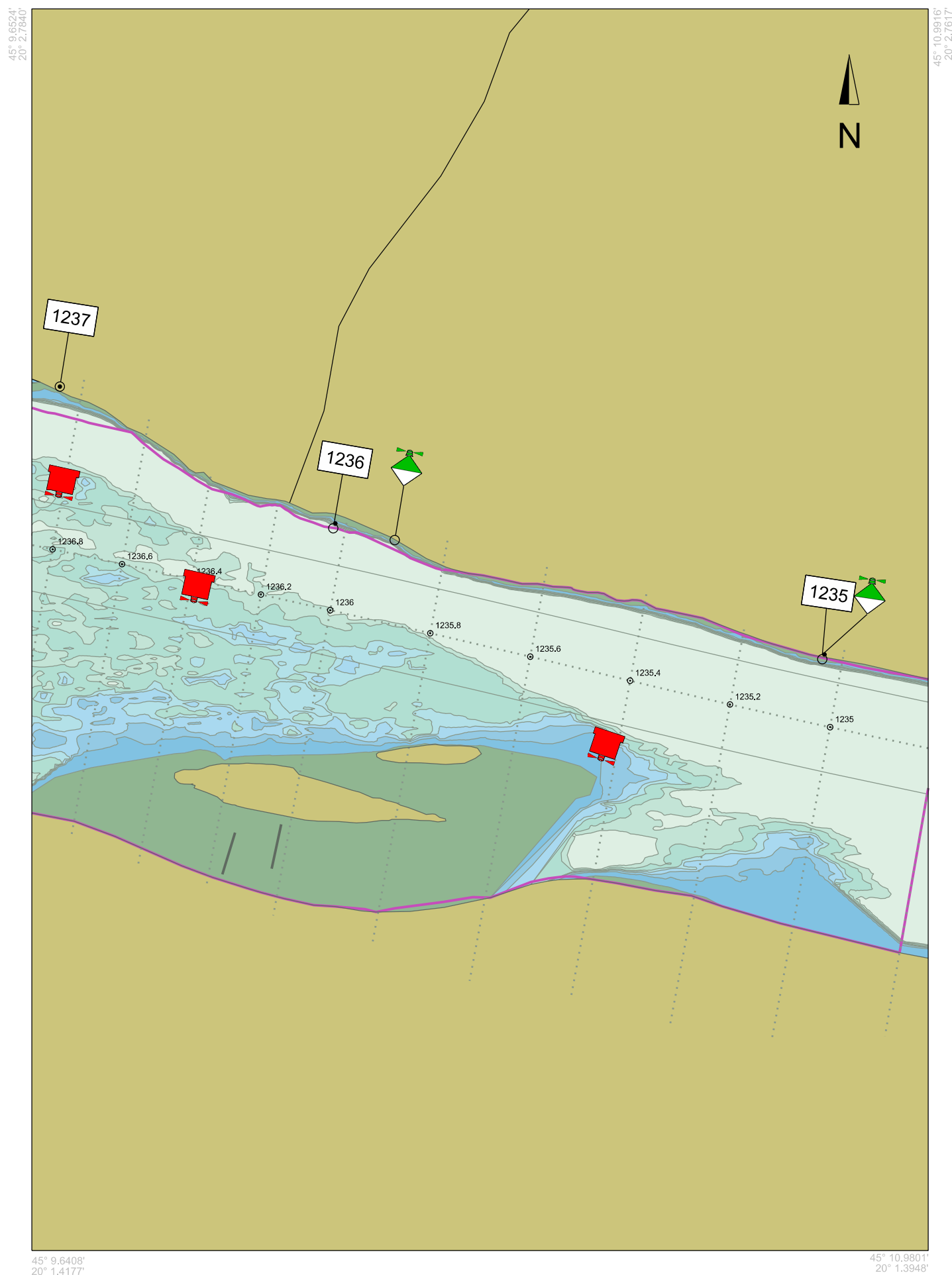
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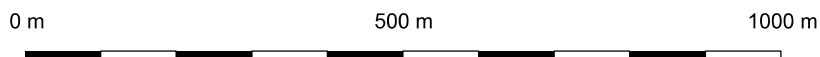
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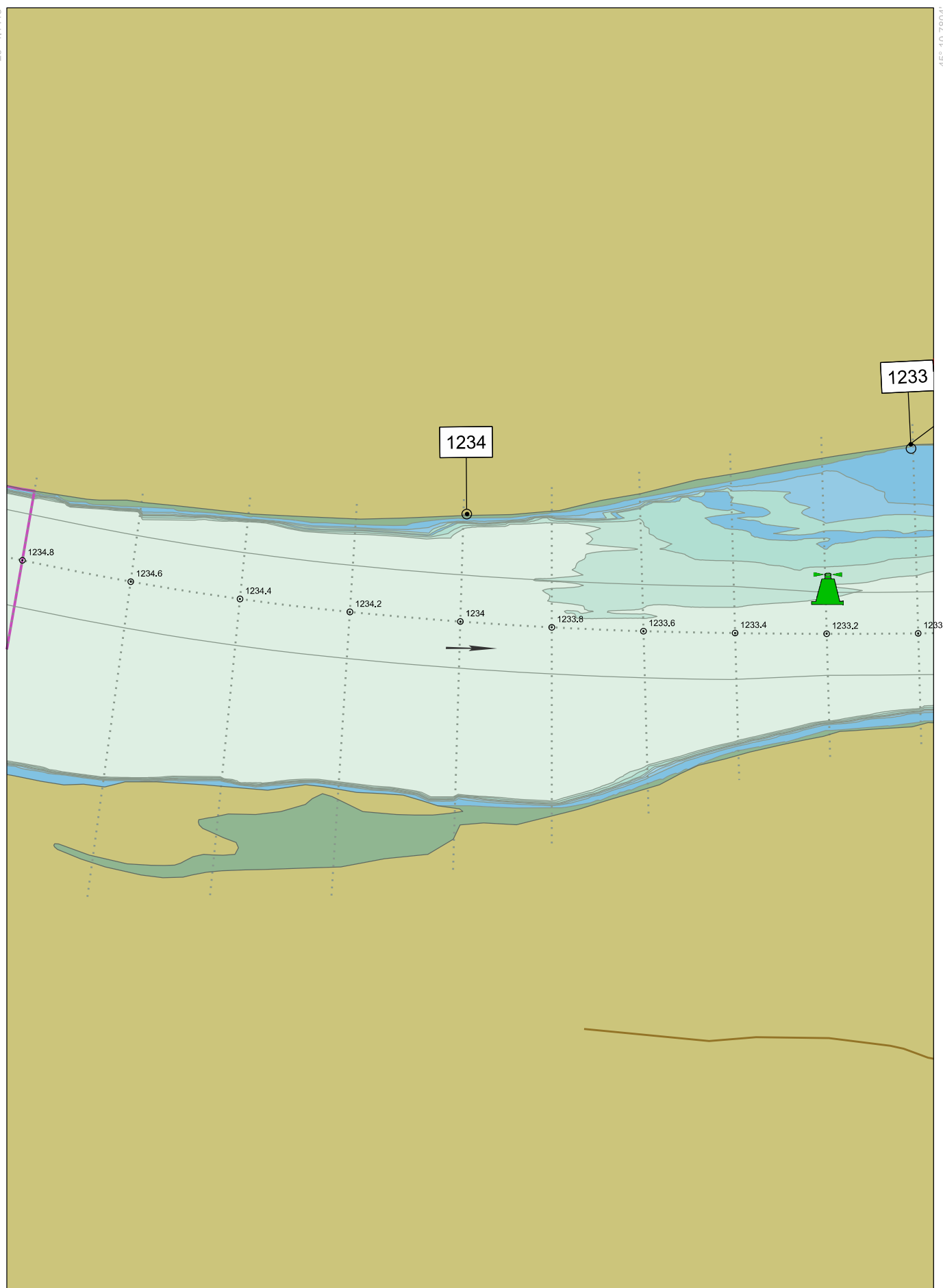
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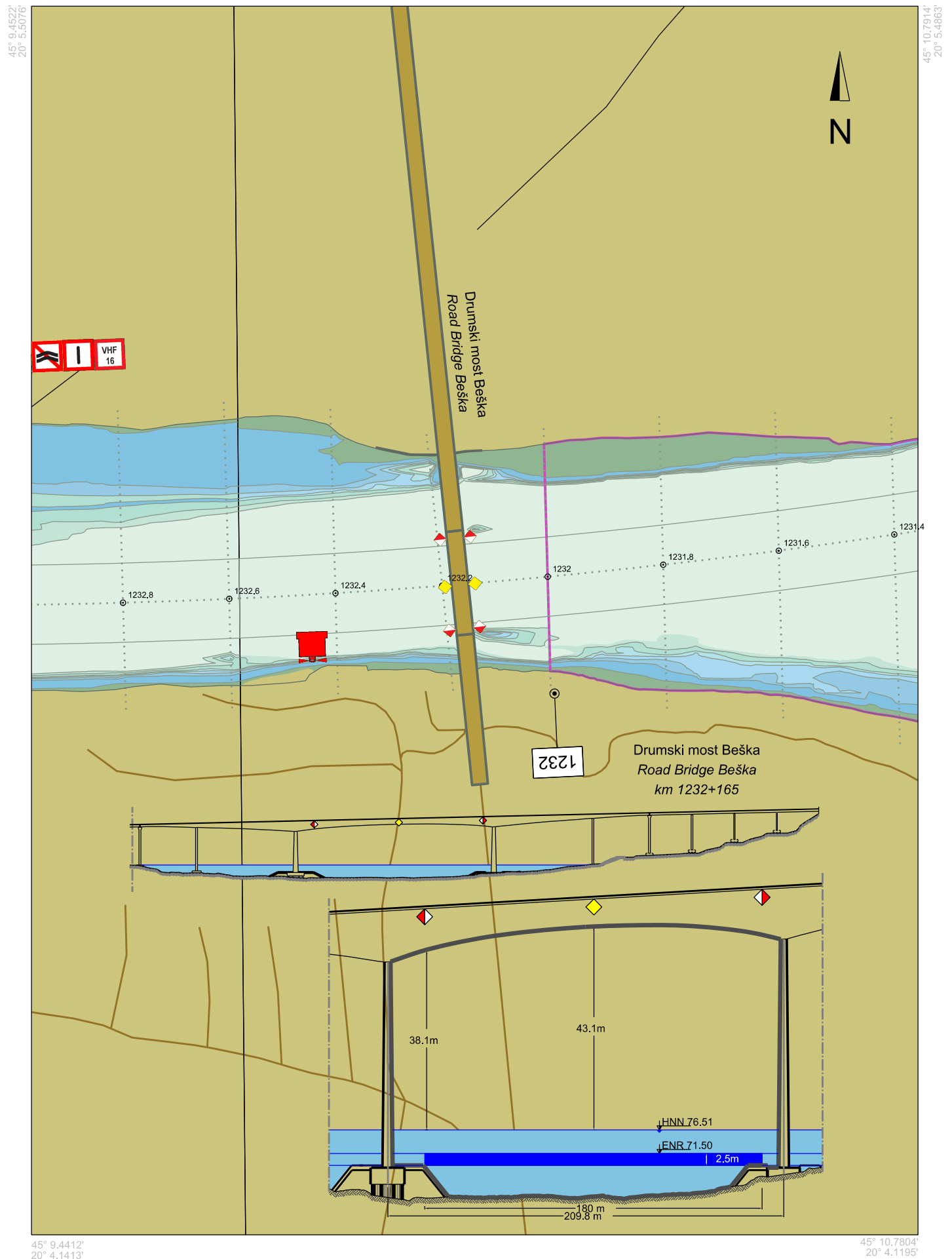
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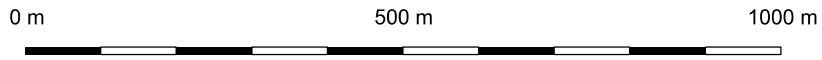
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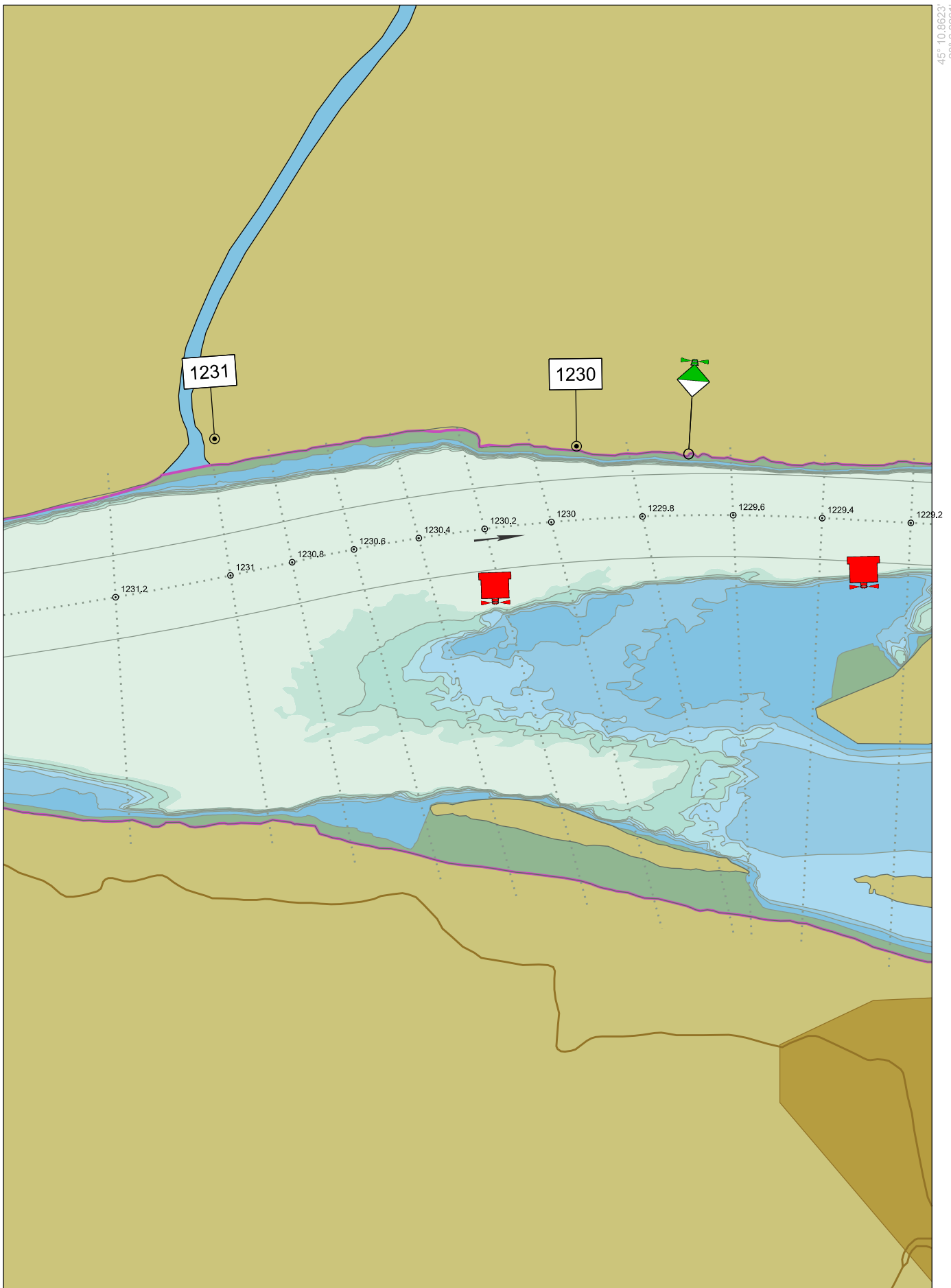
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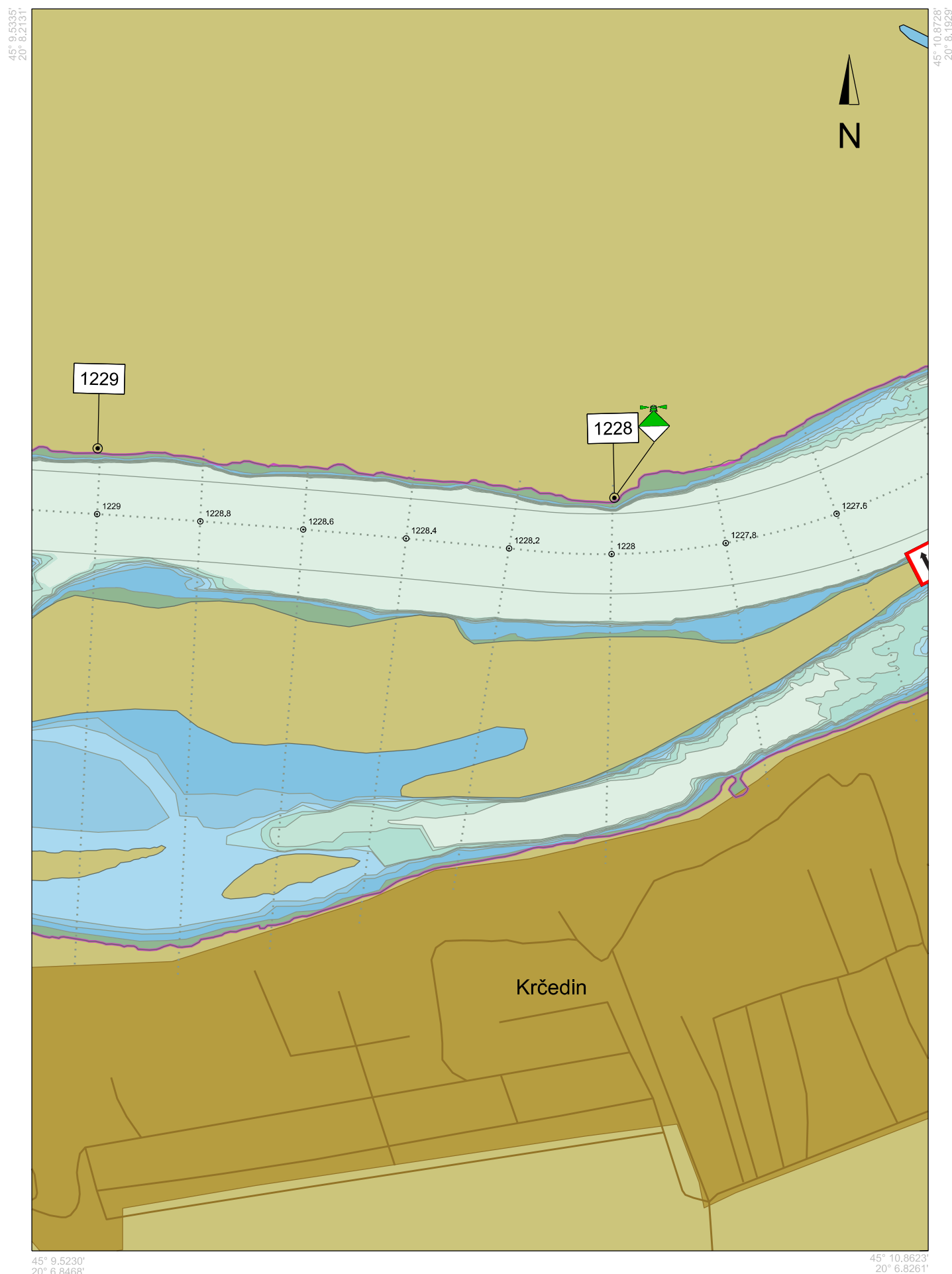
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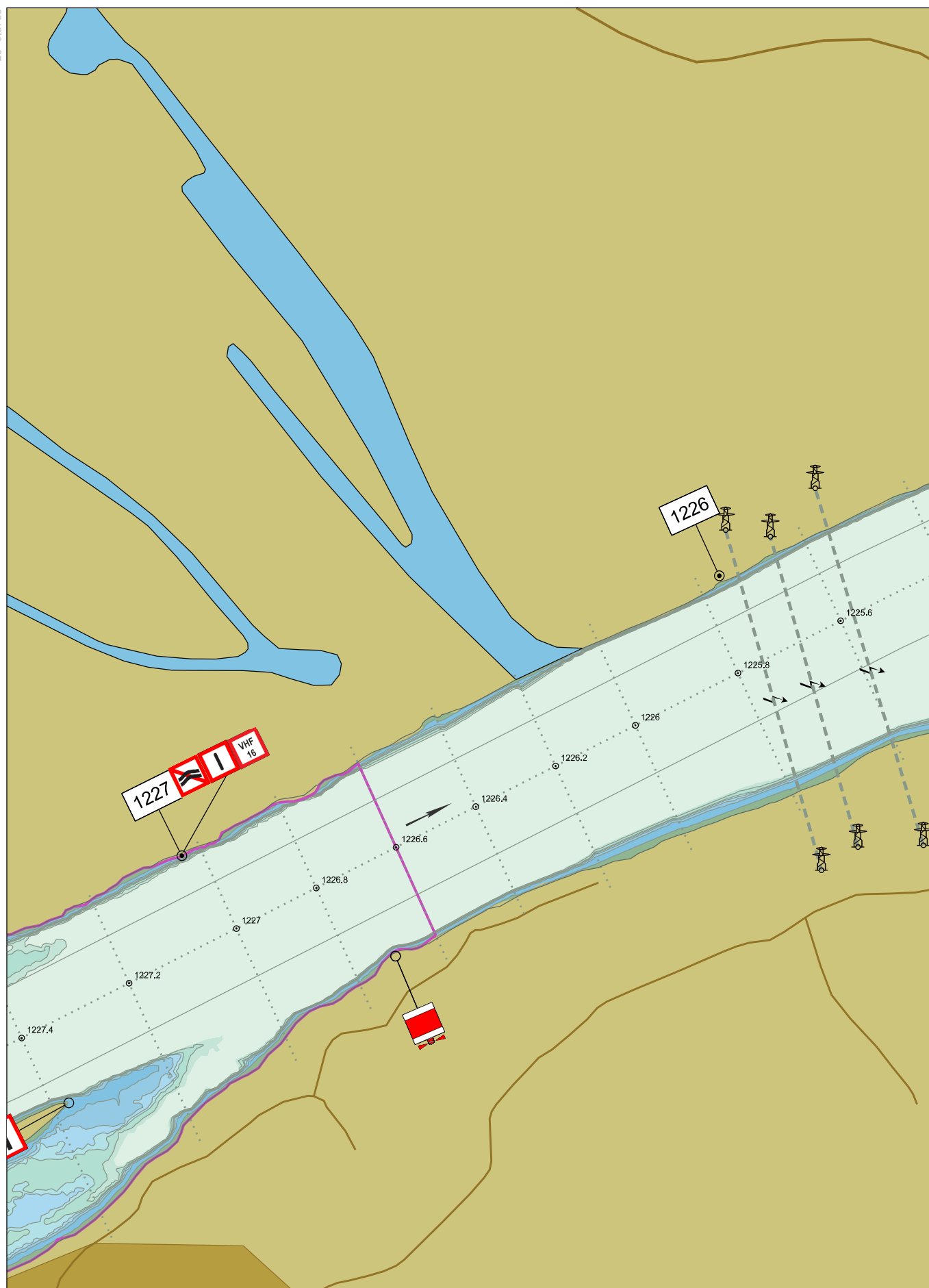
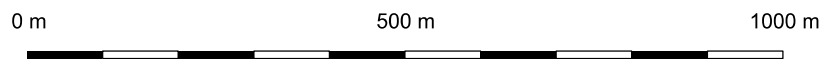
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20° 6.8261'



45° 9.5123'
20° 5.4805'

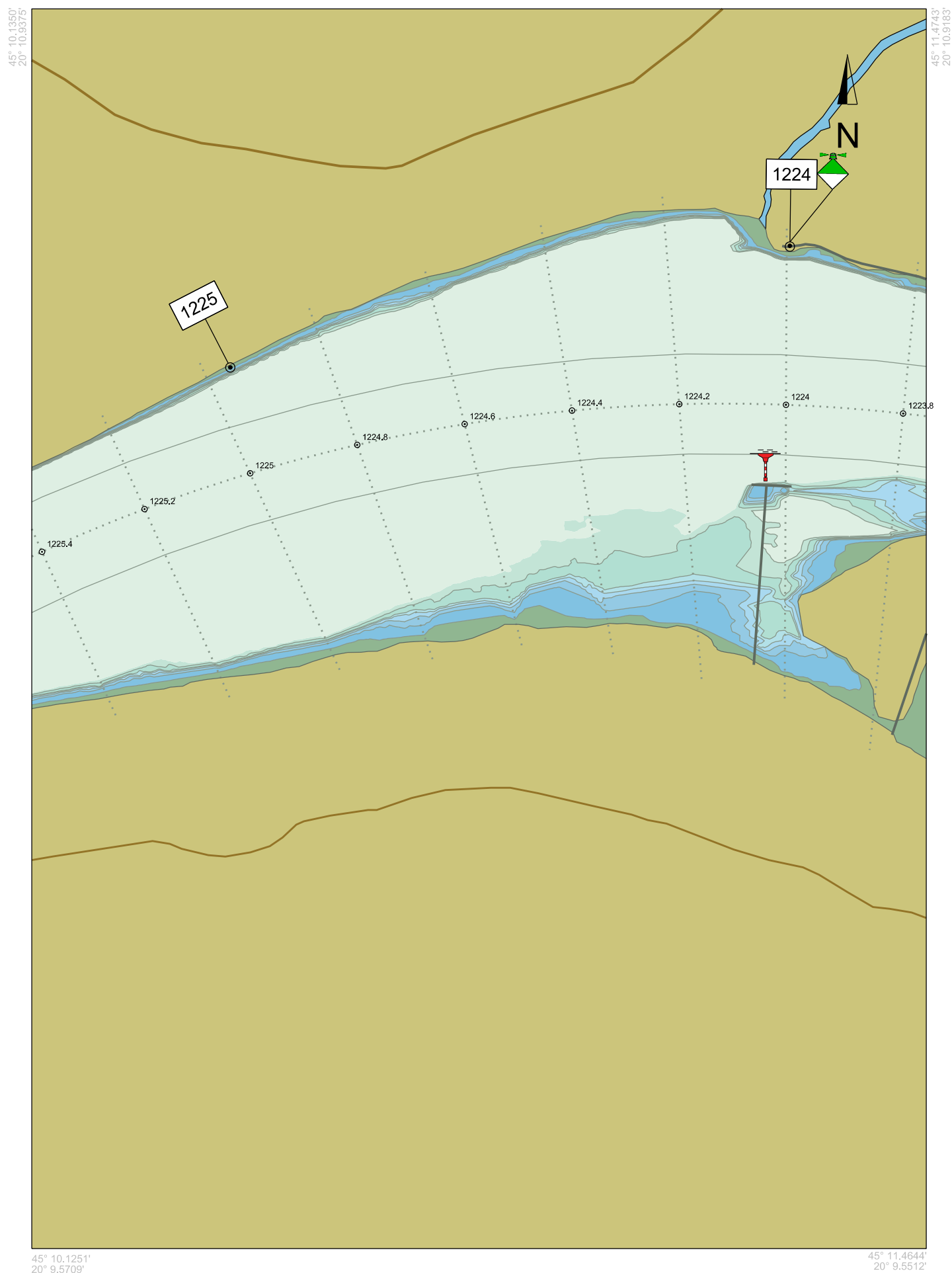
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20° 5.4592'

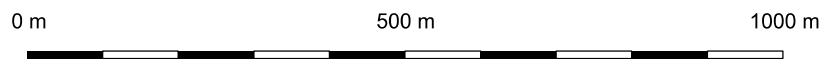






km 1227.4 - 1223.8





45° 10.0481'
20° 12.3056'

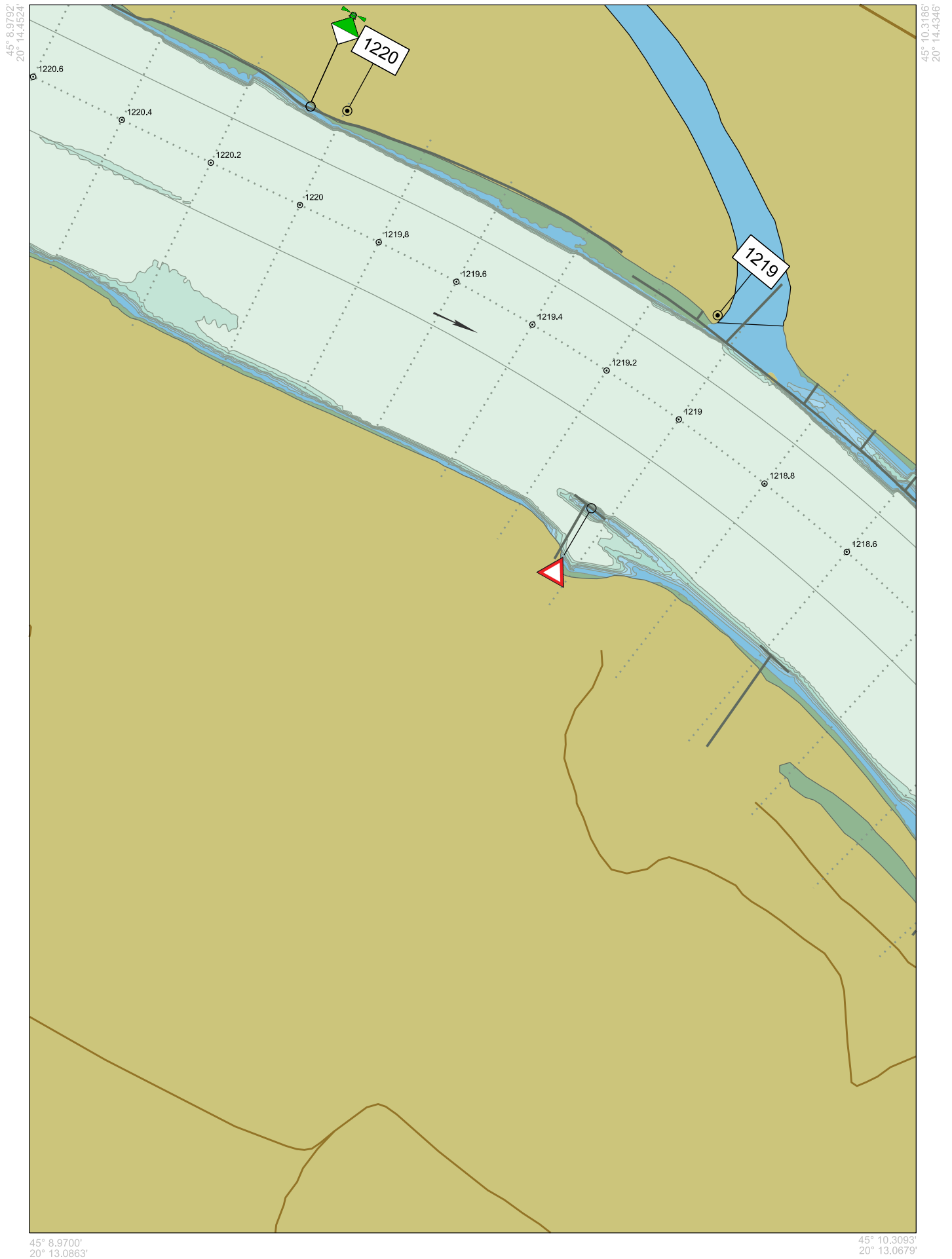
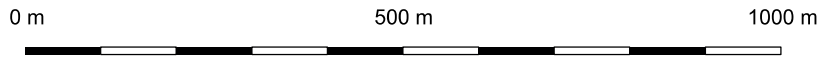
45° 11.3874'
20° 12.2870'

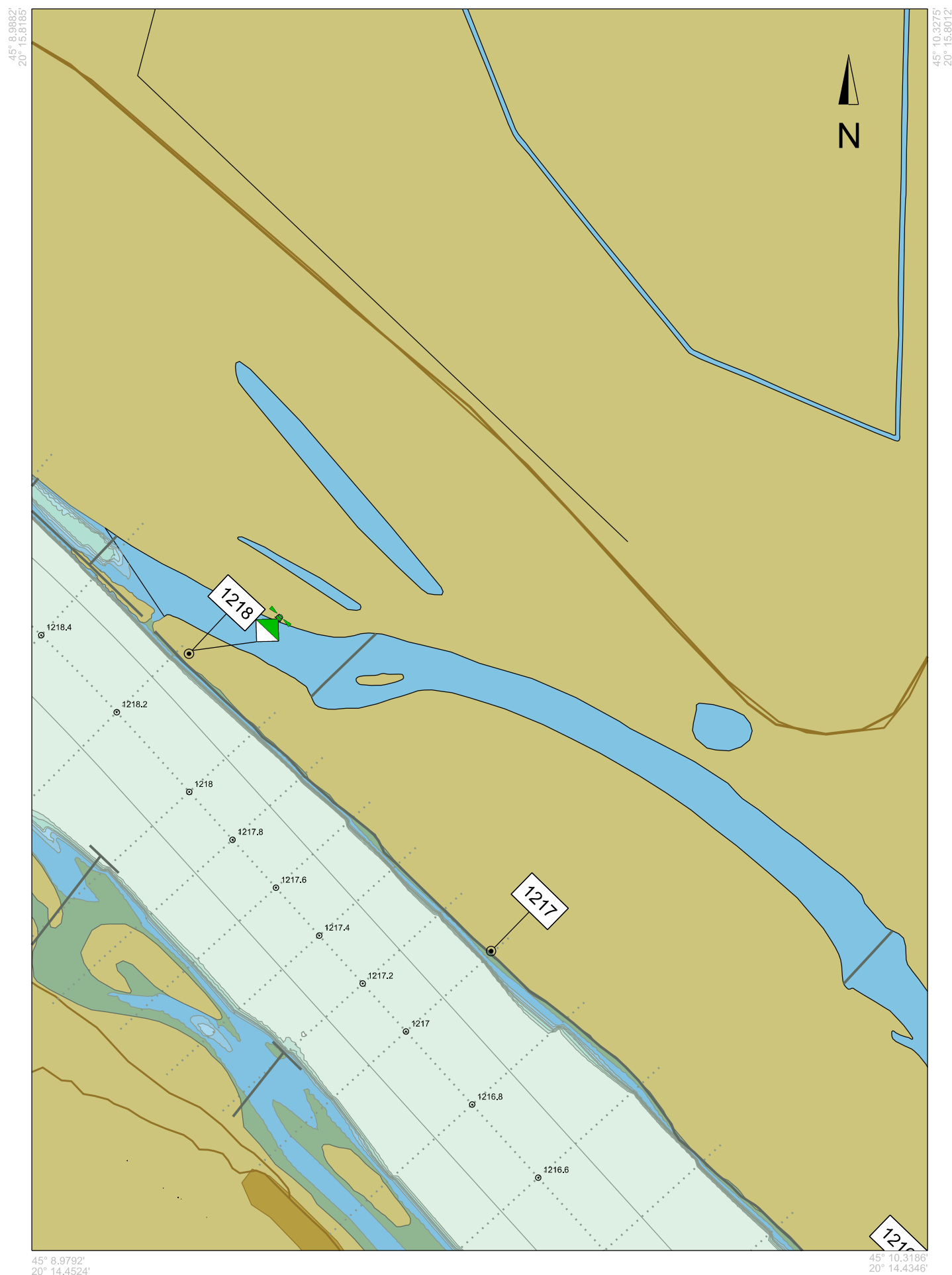


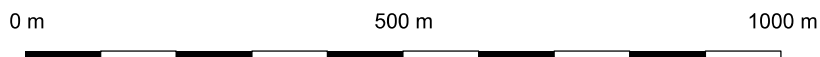
45° 10.0384'
20° 10.9391'

45° 11.3777'
20° 10.9199'

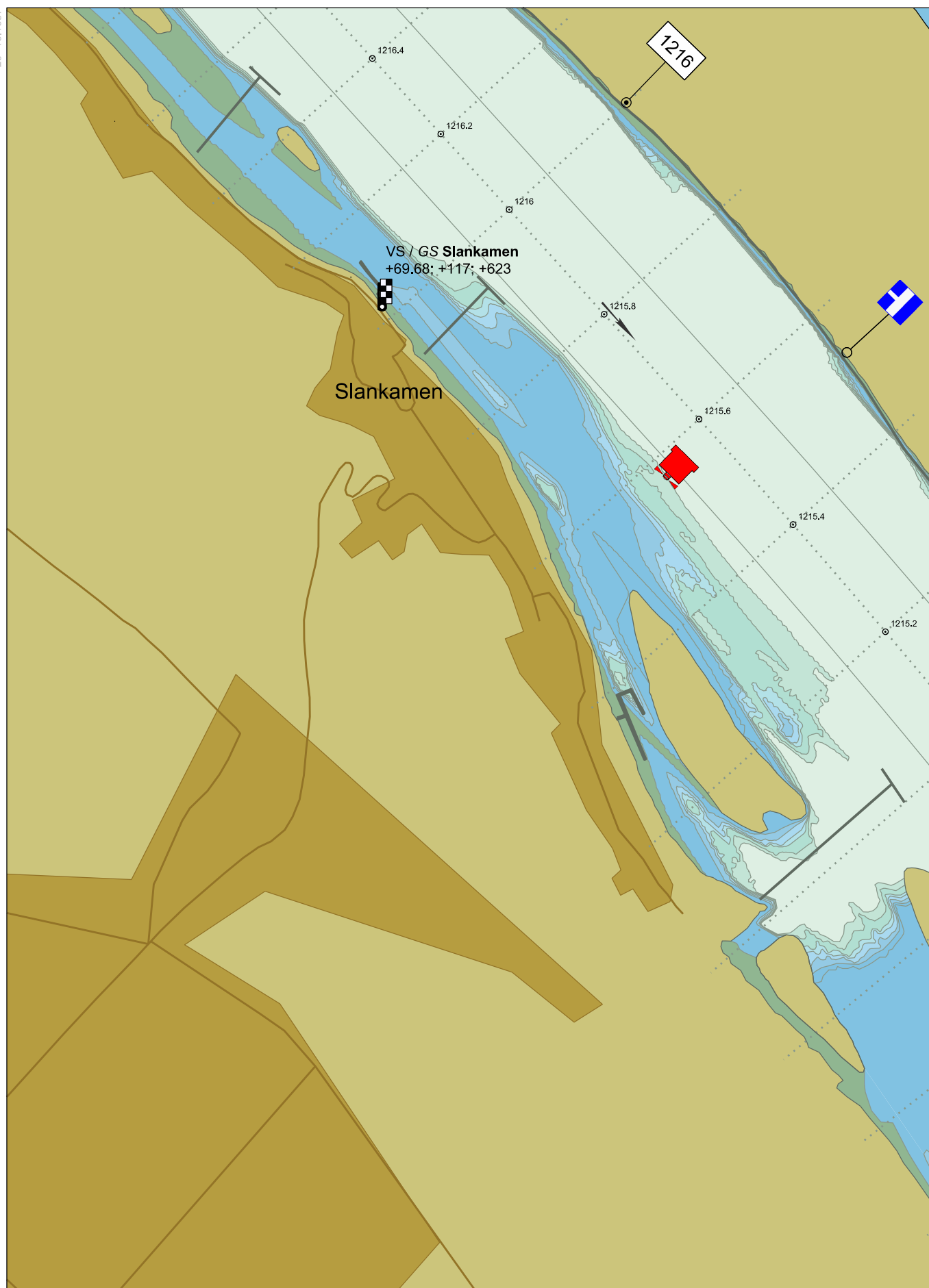








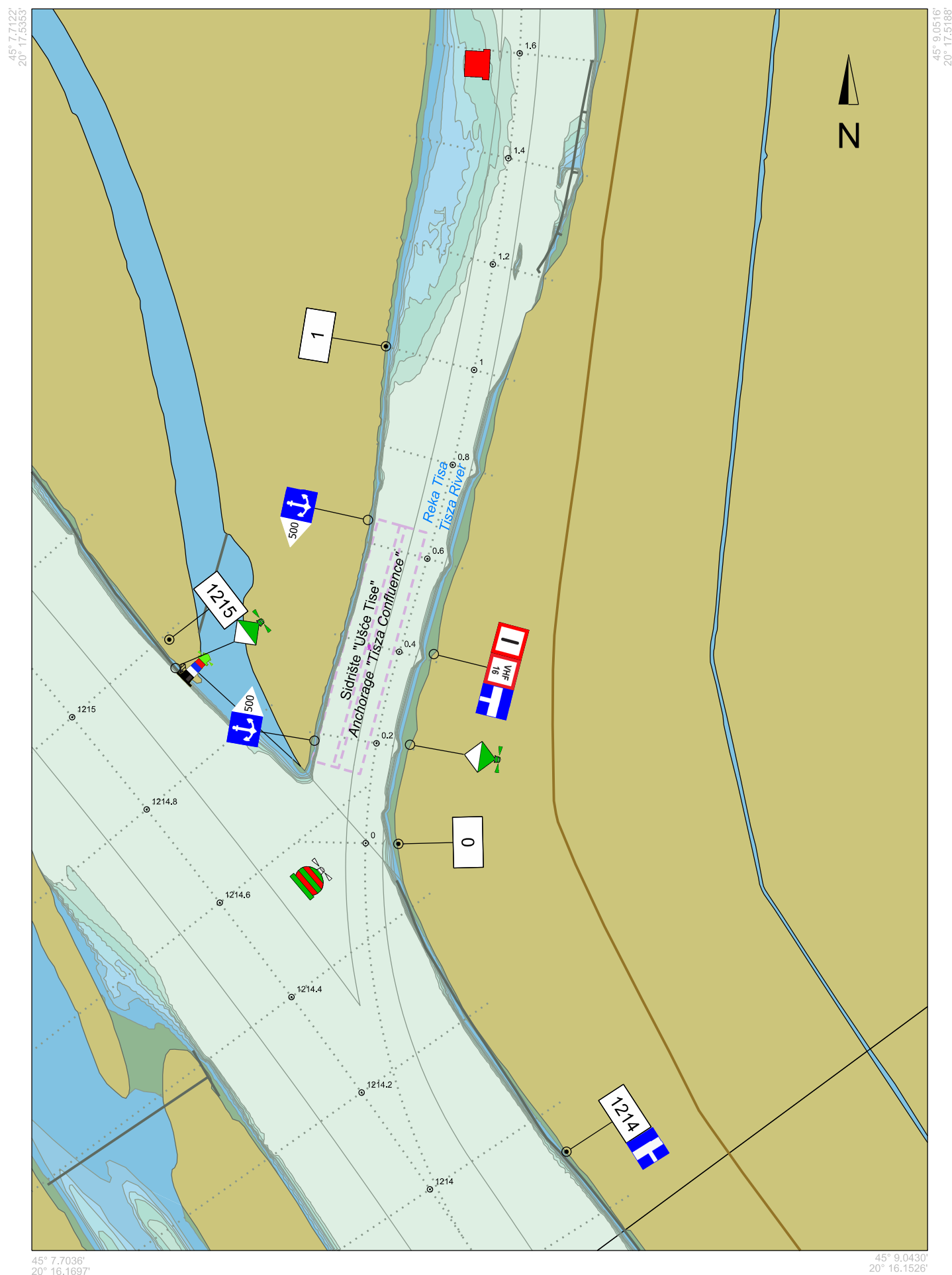
45° 7.7036'
20° 16.1697'

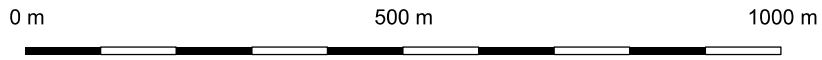


45° 9.0430'
20° 16.1526'

45° 7.6948'
20° 14.8041'

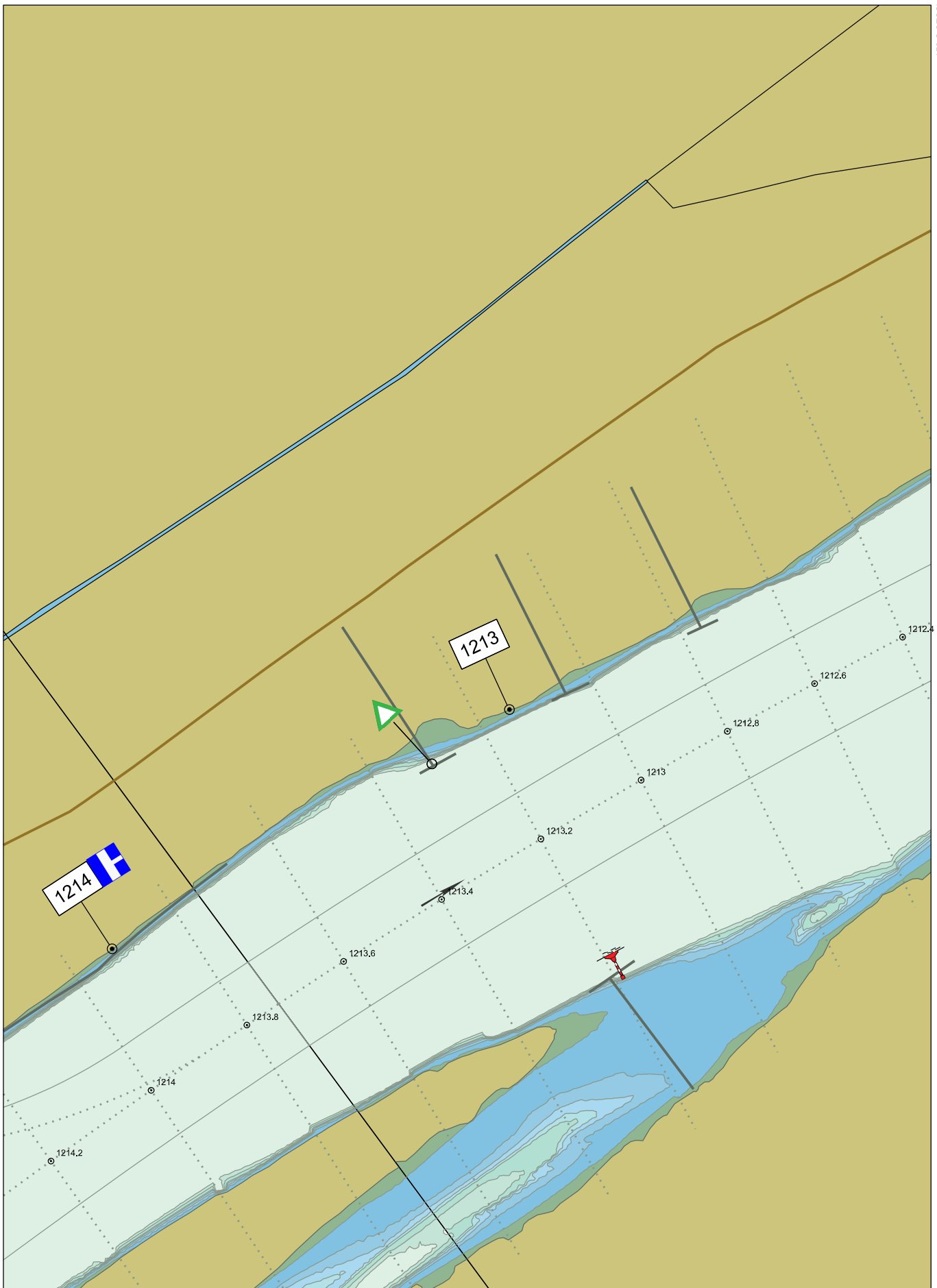
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20° 14.7864'





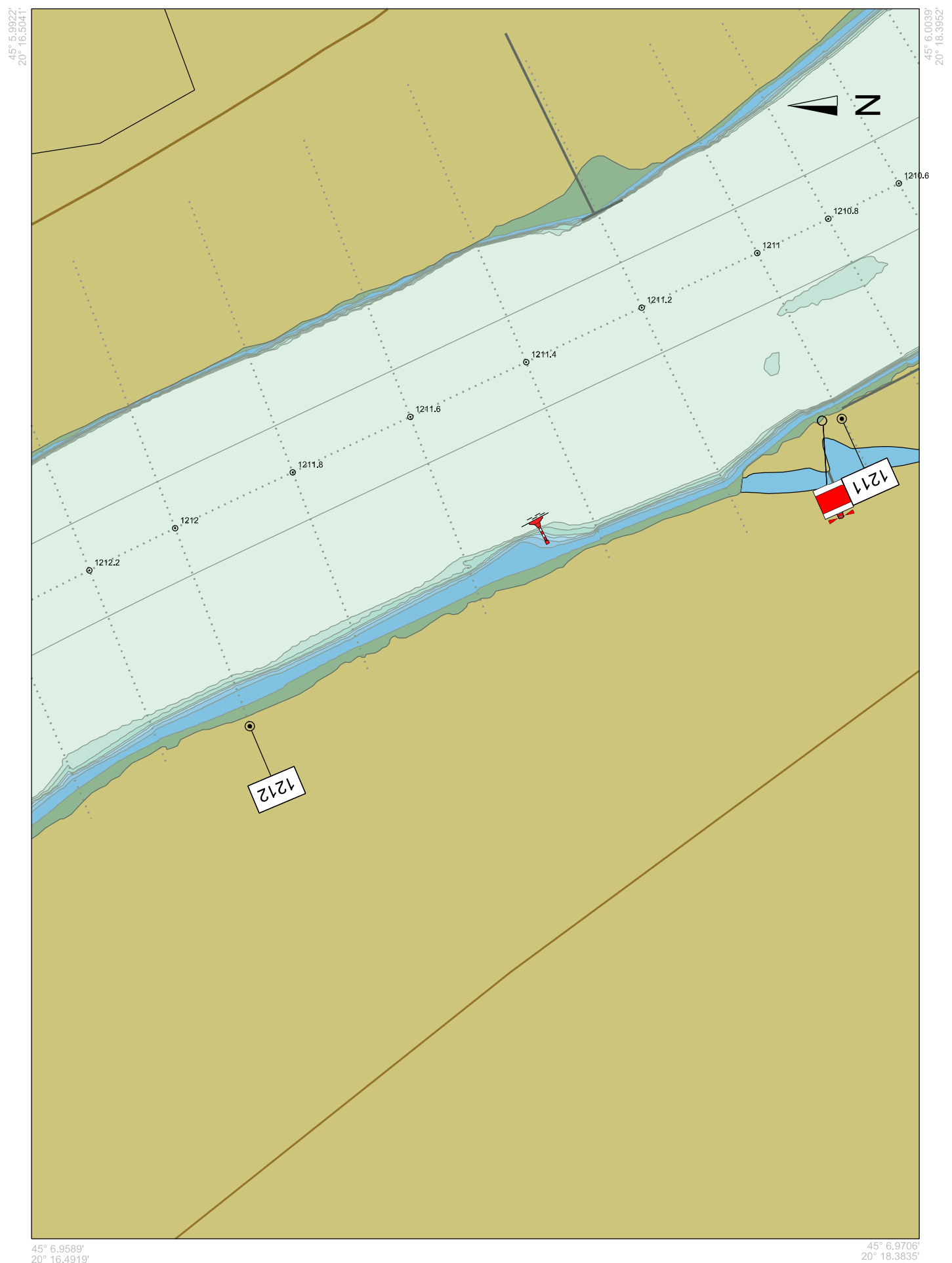
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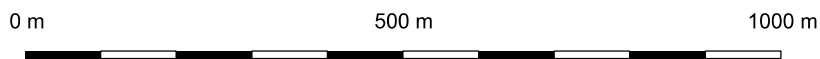
45° 6.9706'
20° 18.3835'



45° 7.9256'
20° 16.4797'

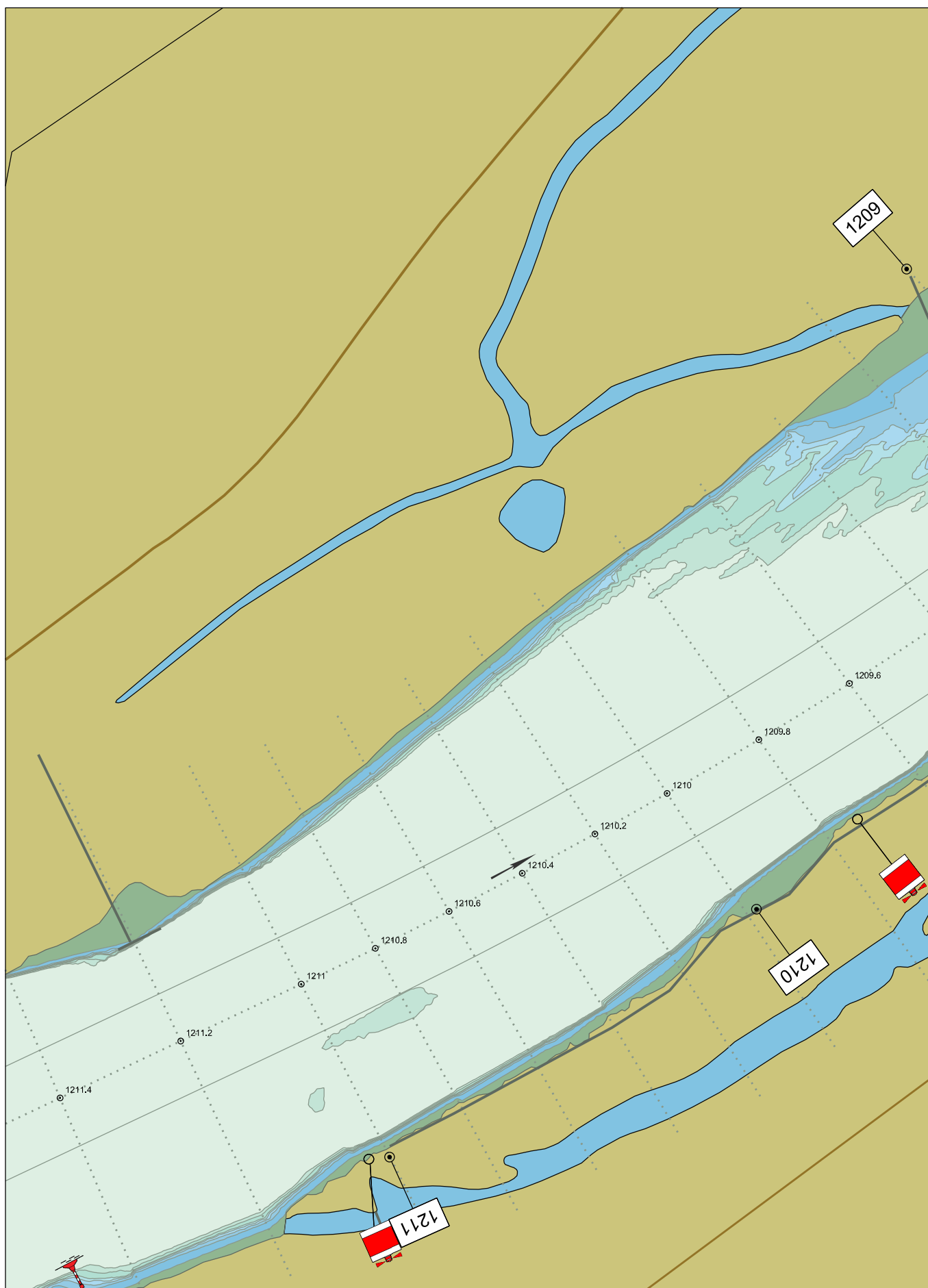
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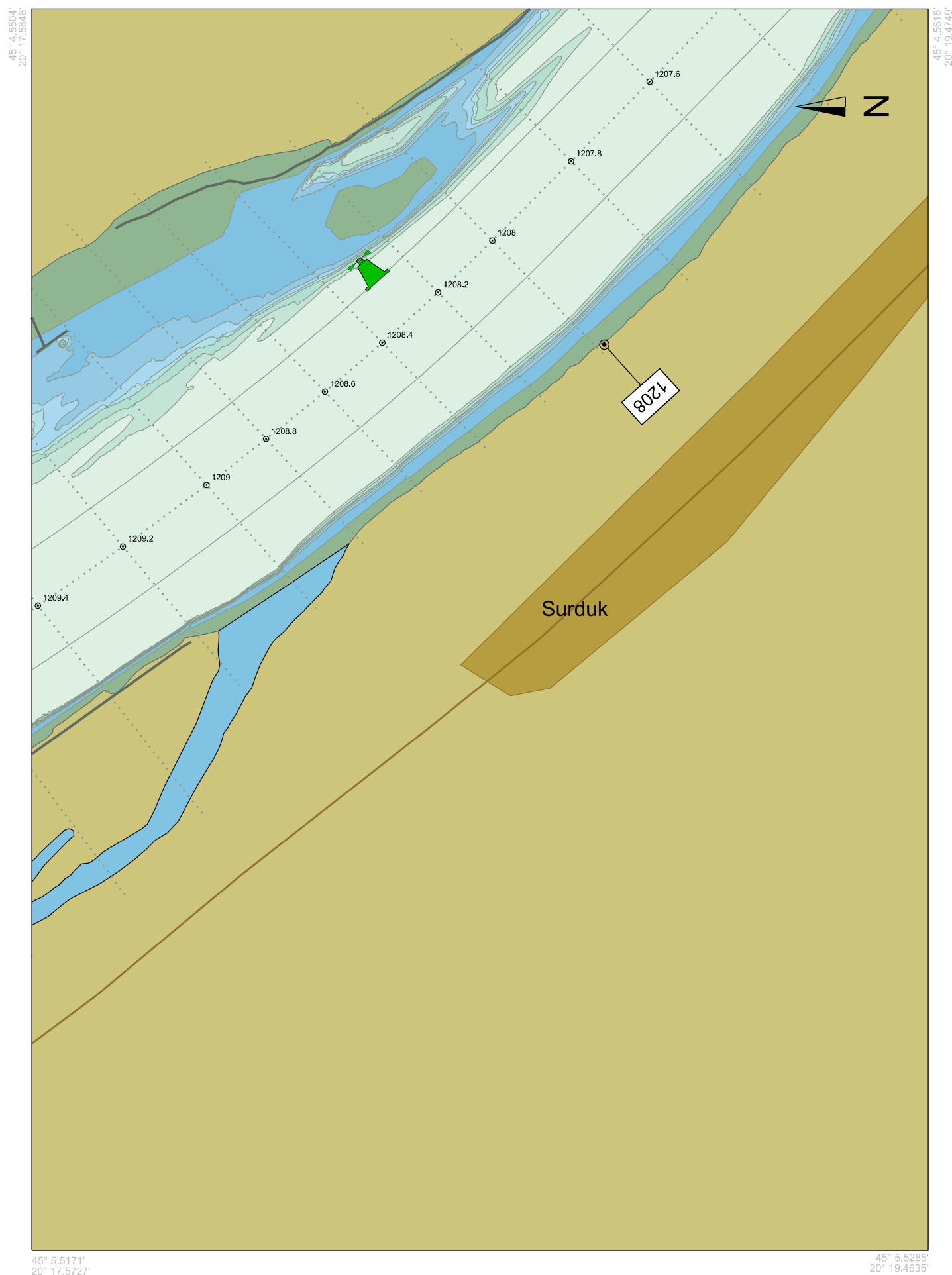
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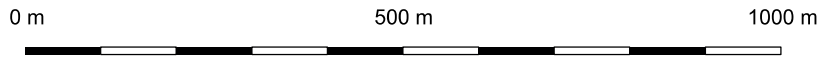
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45° 6.4838'
20° 17.5608'

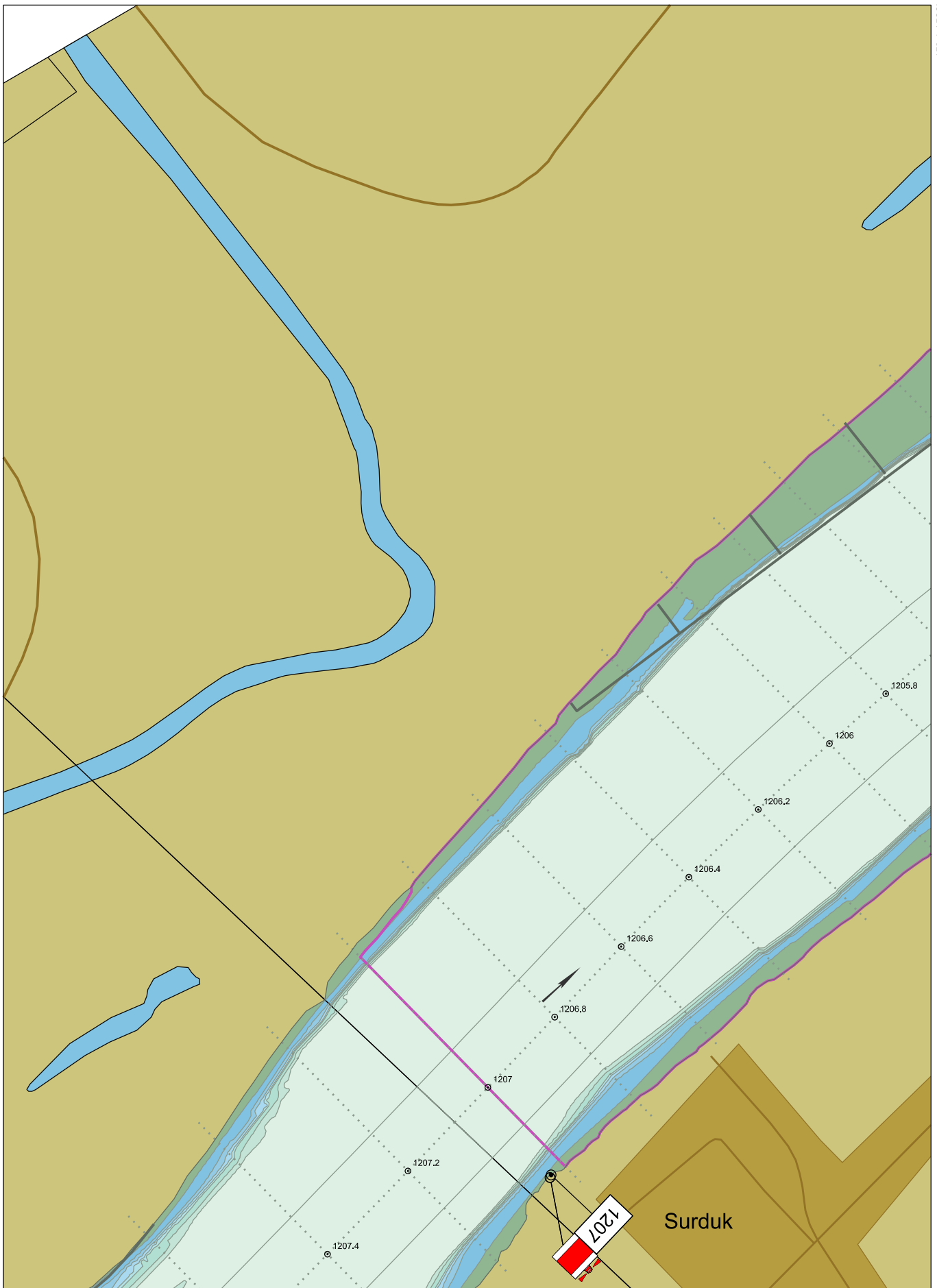
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20° 19.4521'





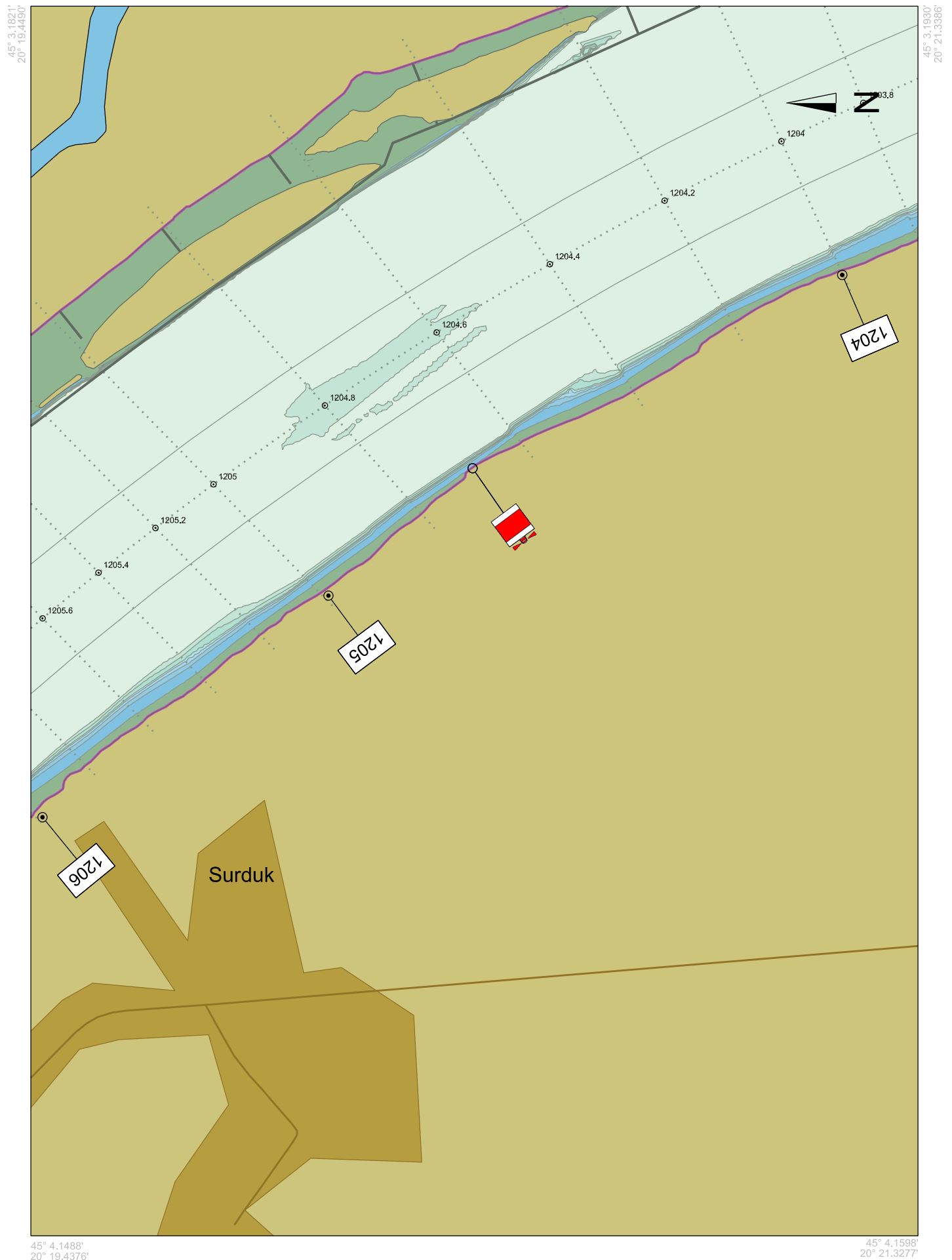
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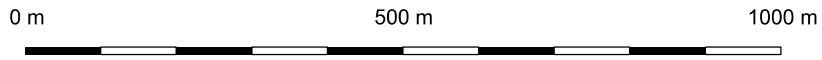
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20° 21.3277'



45° 5.1156'
20° 19.4262'

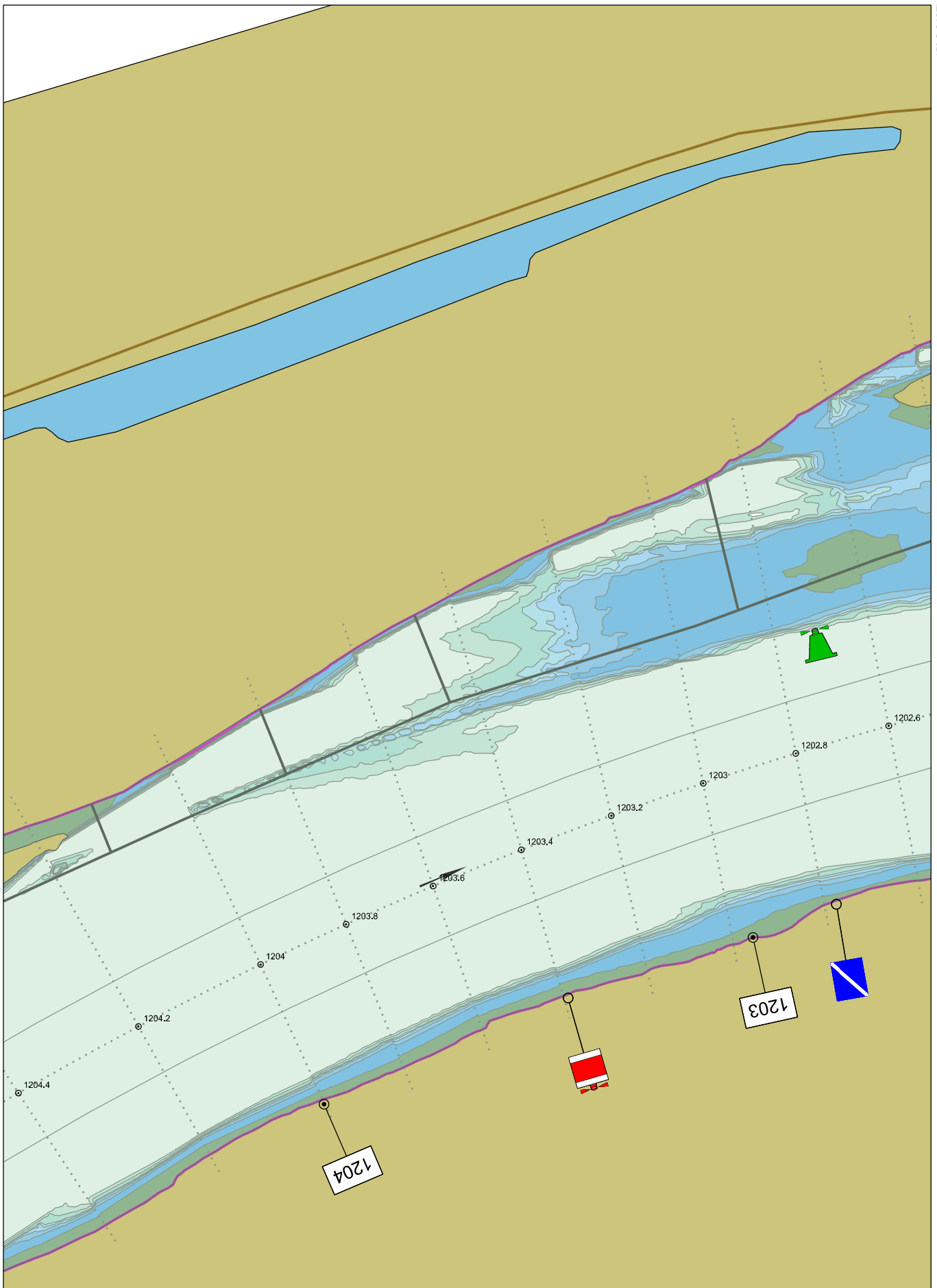
45° 5.1265'
20° 21.3168'





45° 2.6391'
20° 20.6583'

45° 2.6497'
20° 22.5476'



45° 3.6059'
20° 20.6473'

45° 3.6165'
20° 22.5371'

SERBIA

Beograd

Sava River

ROMANIA

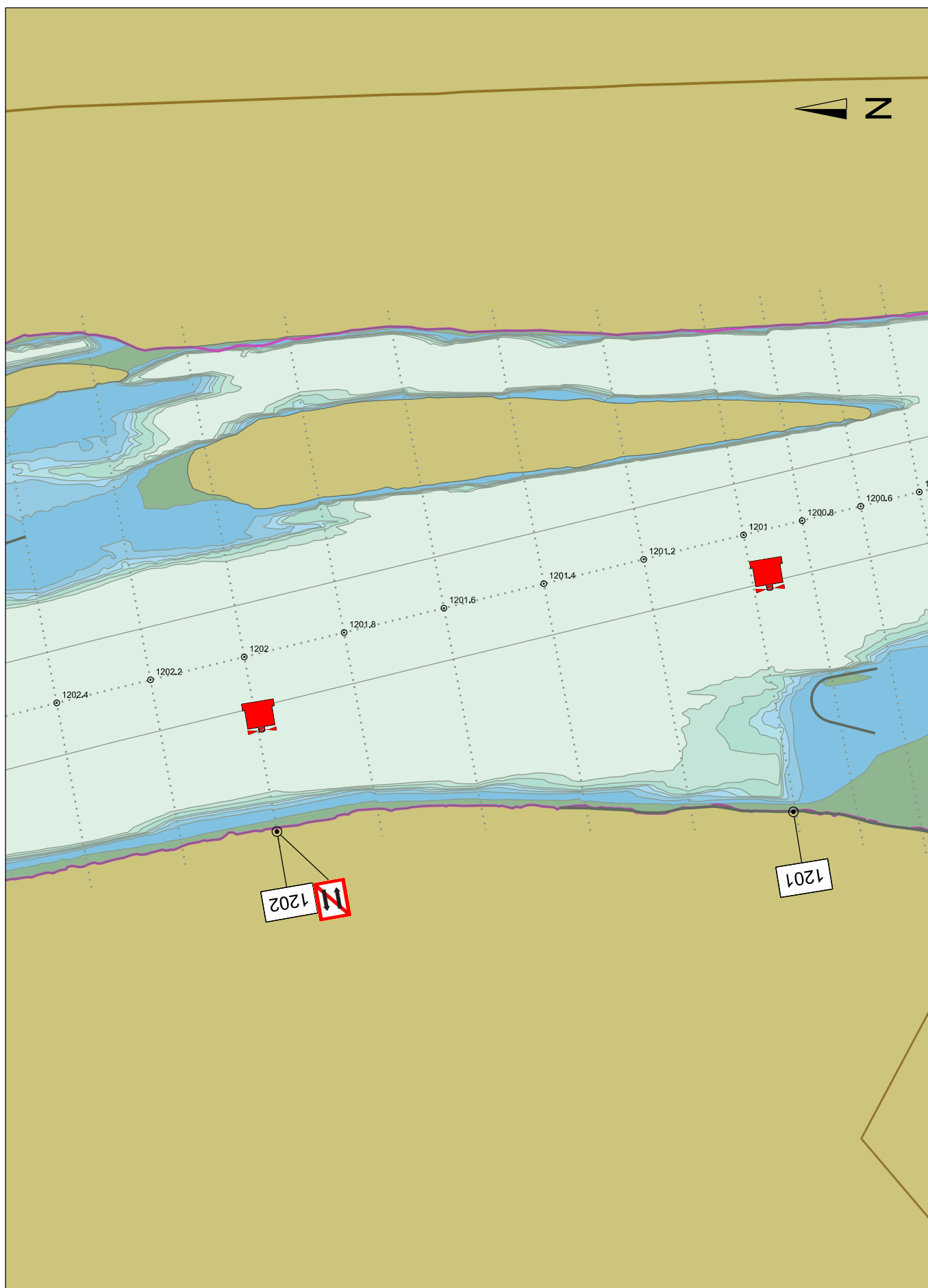
Smederevo

Page 66

km 1204.4 - 1200.4

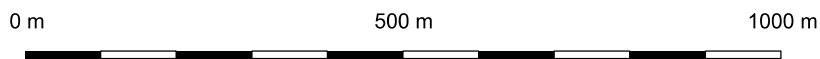
45° 1.6724'
20° 20.6694'

45° 1.6830'
20° 22.5581'



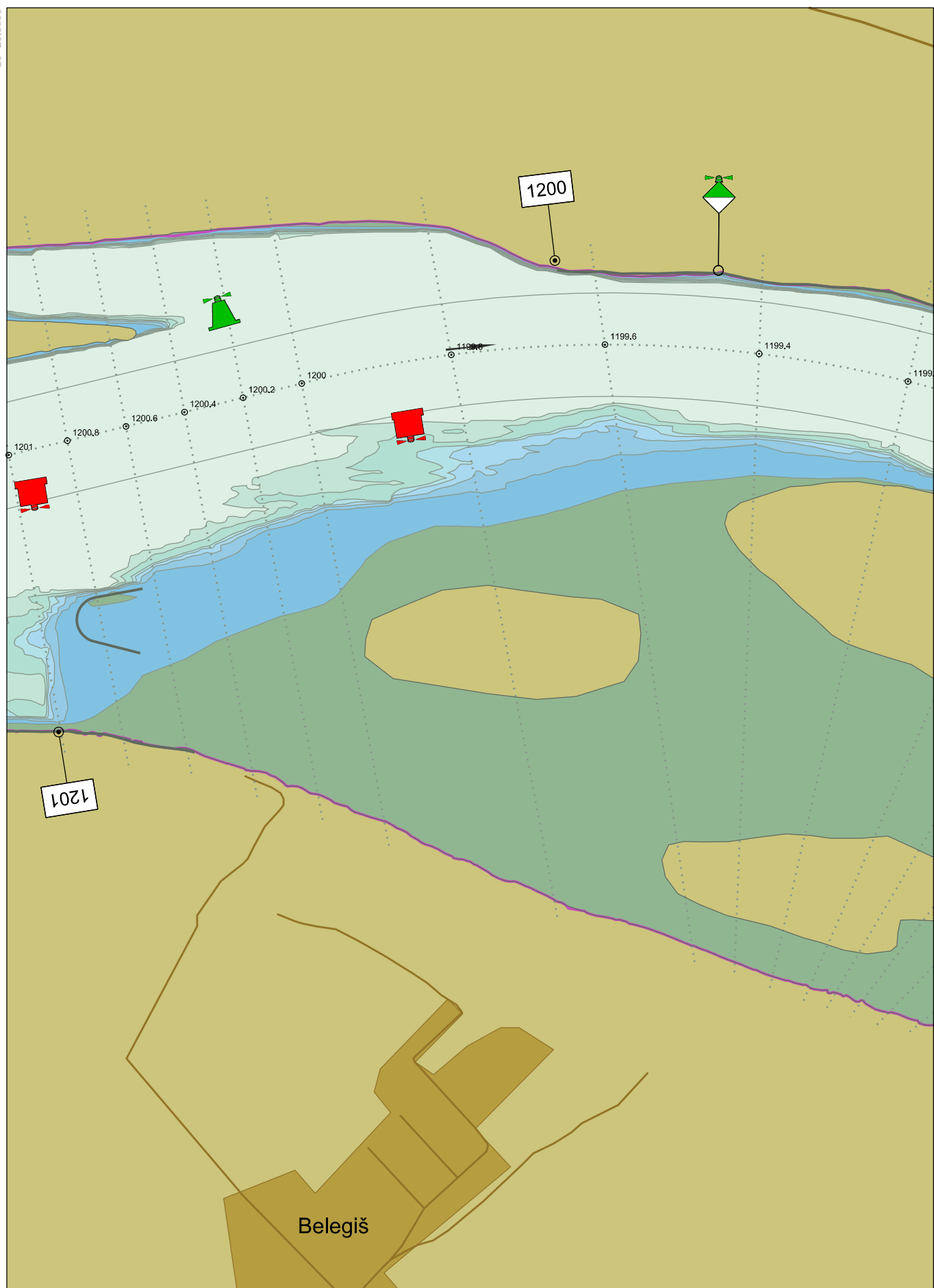
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45° 2.6497'
20° 22.5476'



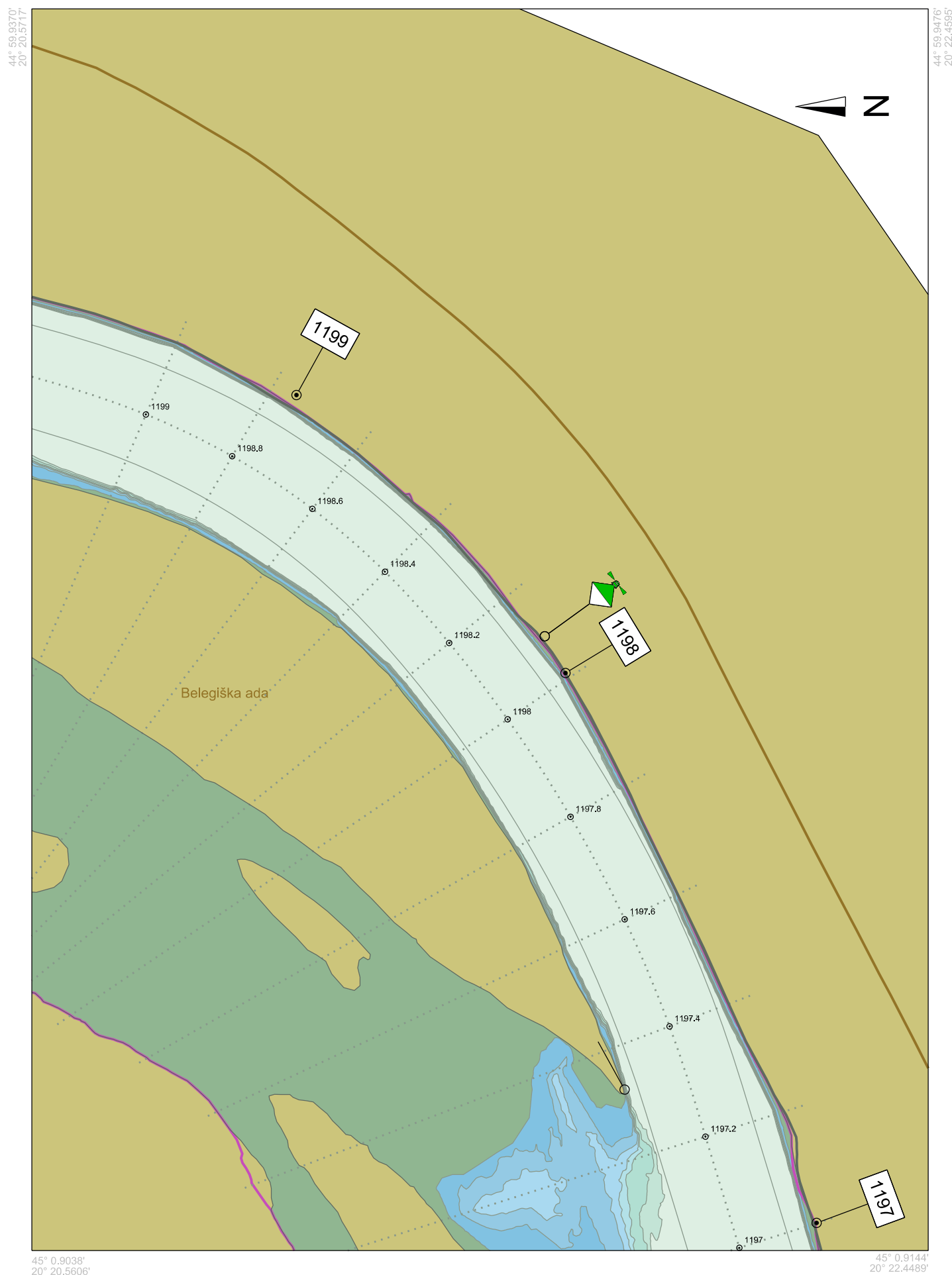
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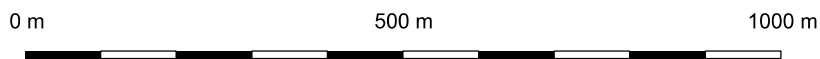
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45° 1.8705'
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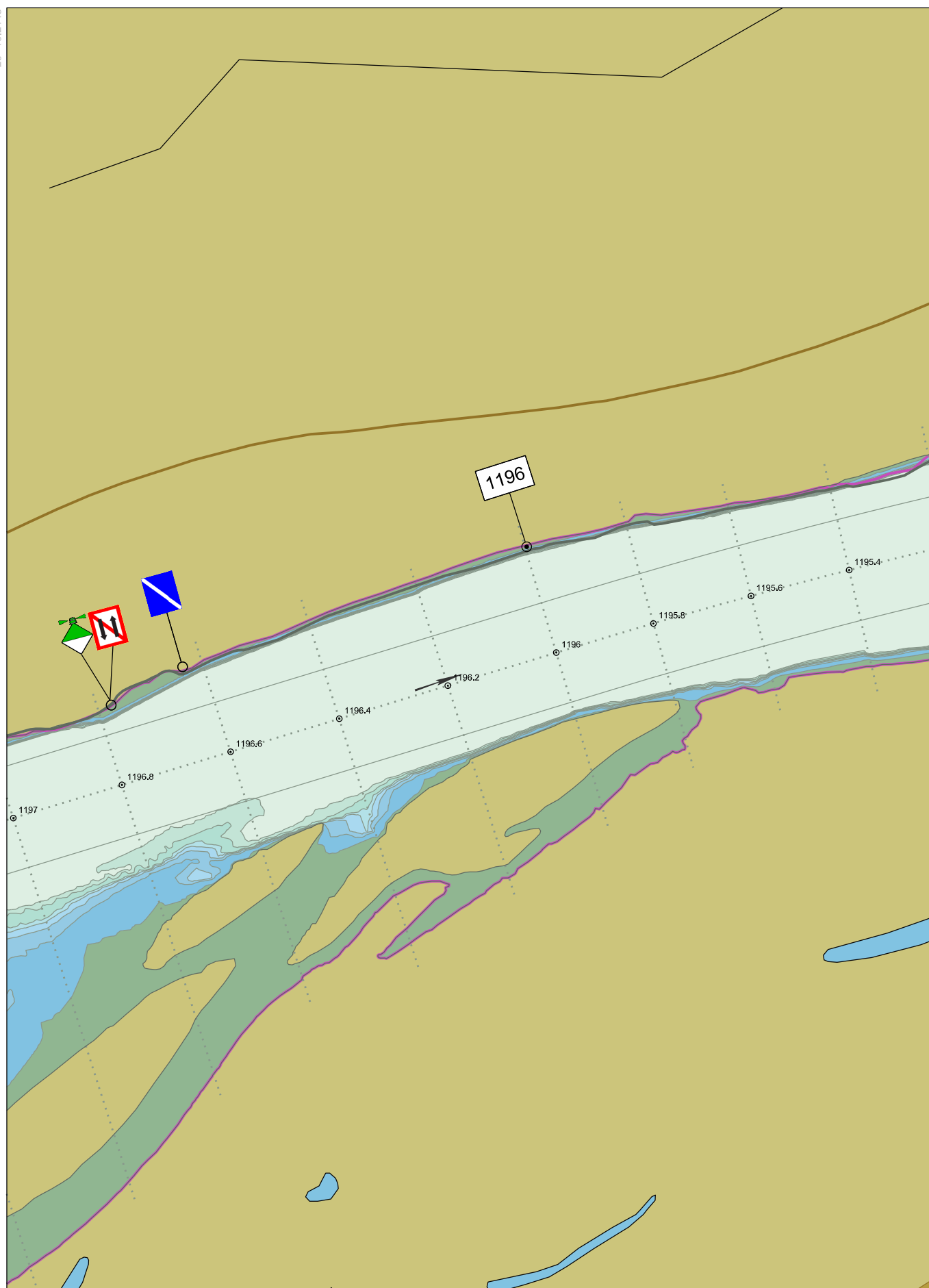
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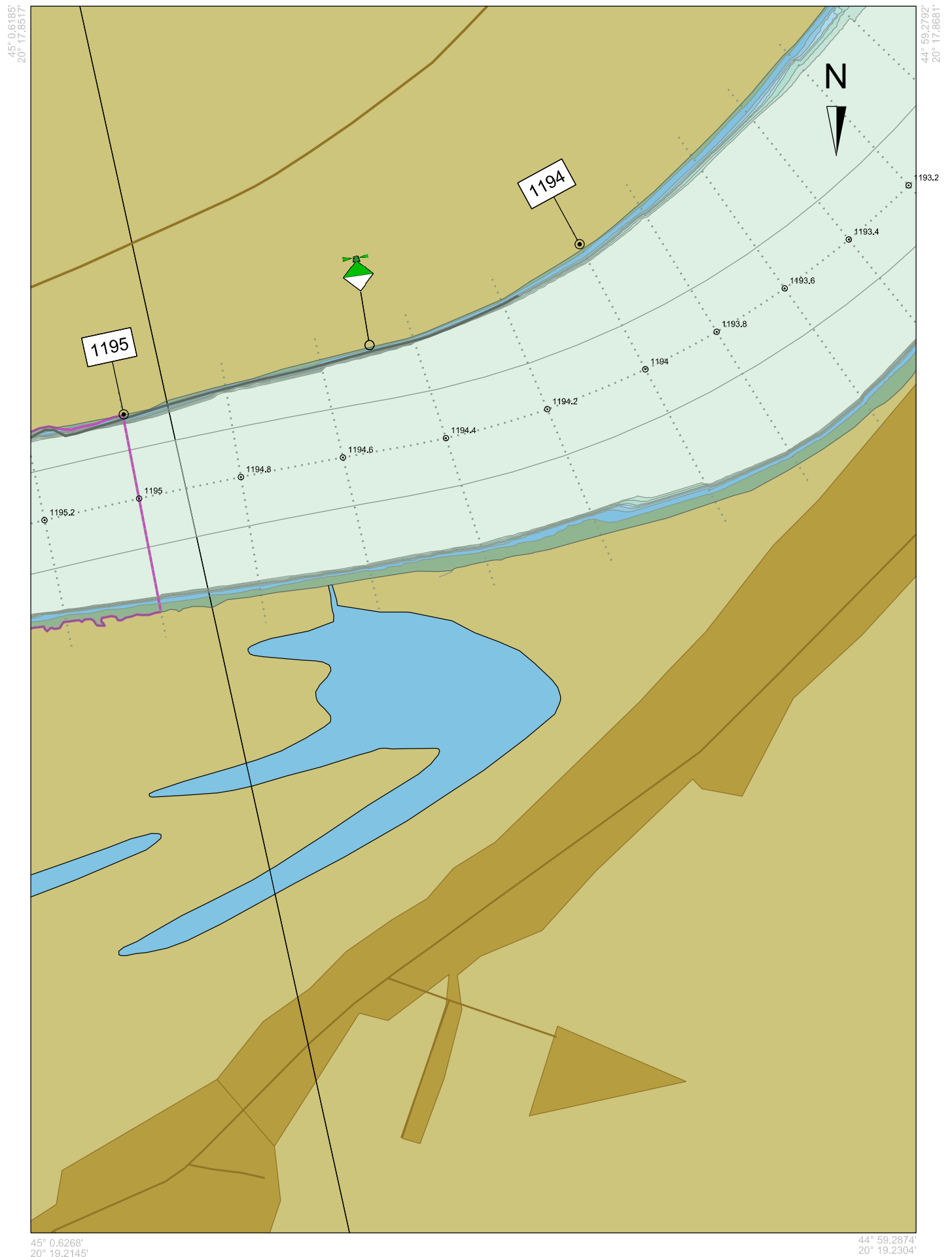
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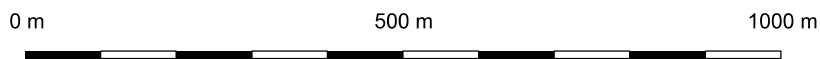
44° 59.2874'
20° 19.2304'



45° 0.6348'
20° 20.5774'

44° 59.2954'
20° 20.5927'





44° 58.8804'
20° 16.3052'

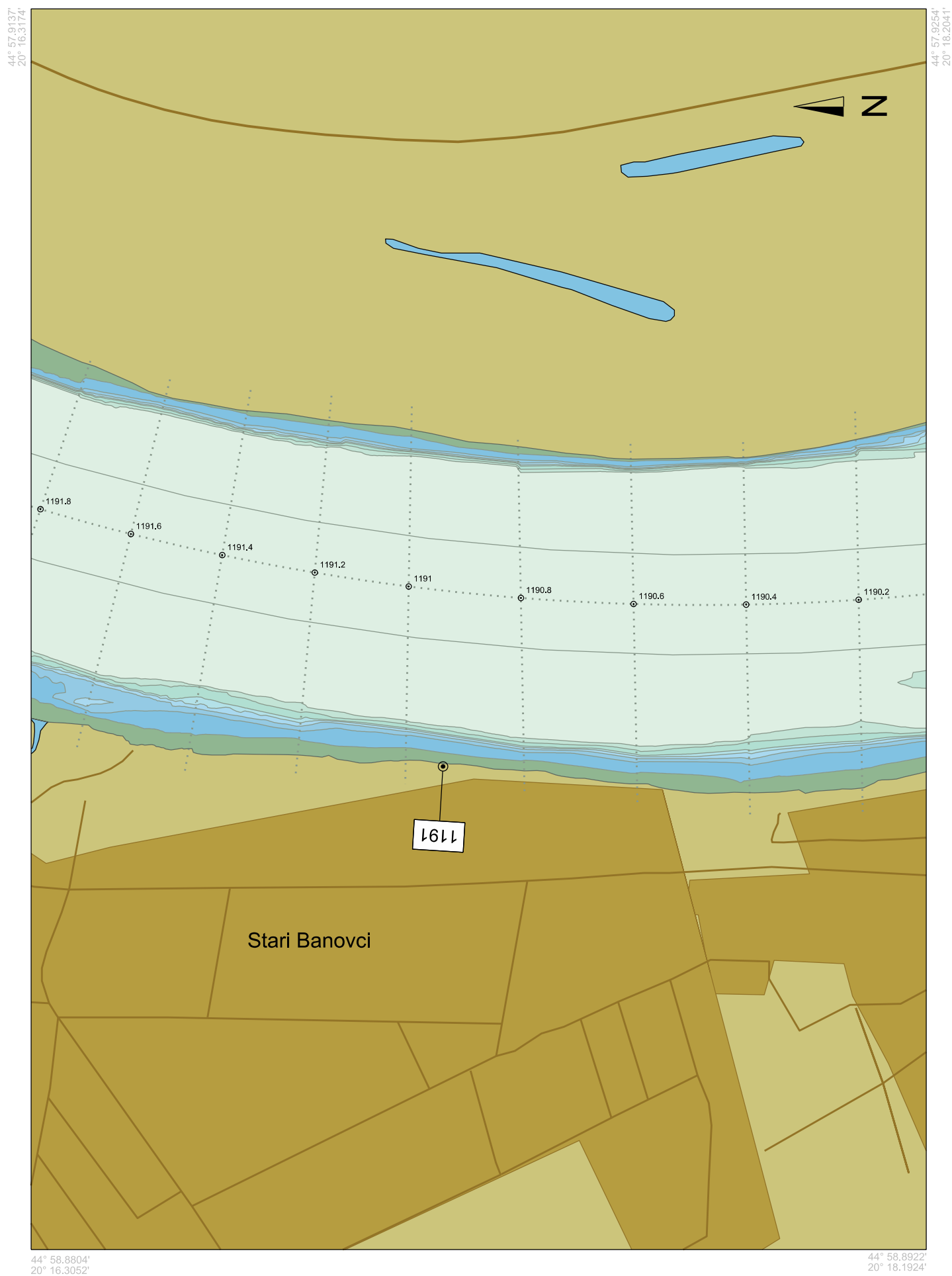
44° 58.8922'
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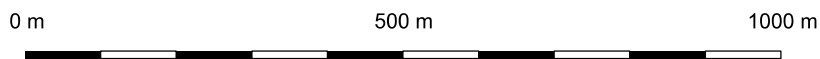


Stari Banovci

44° 59.8471'
20° 16.2929'

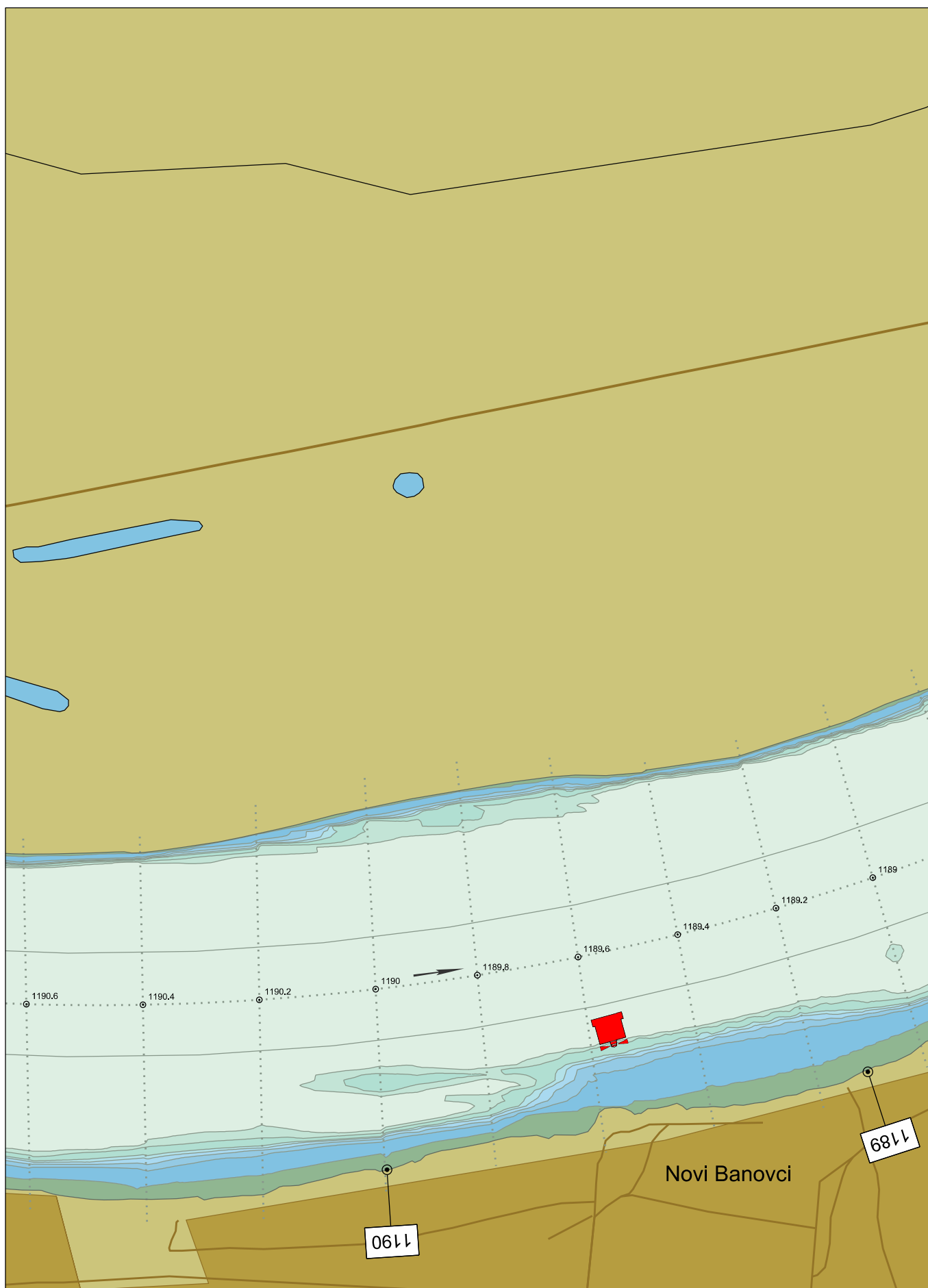
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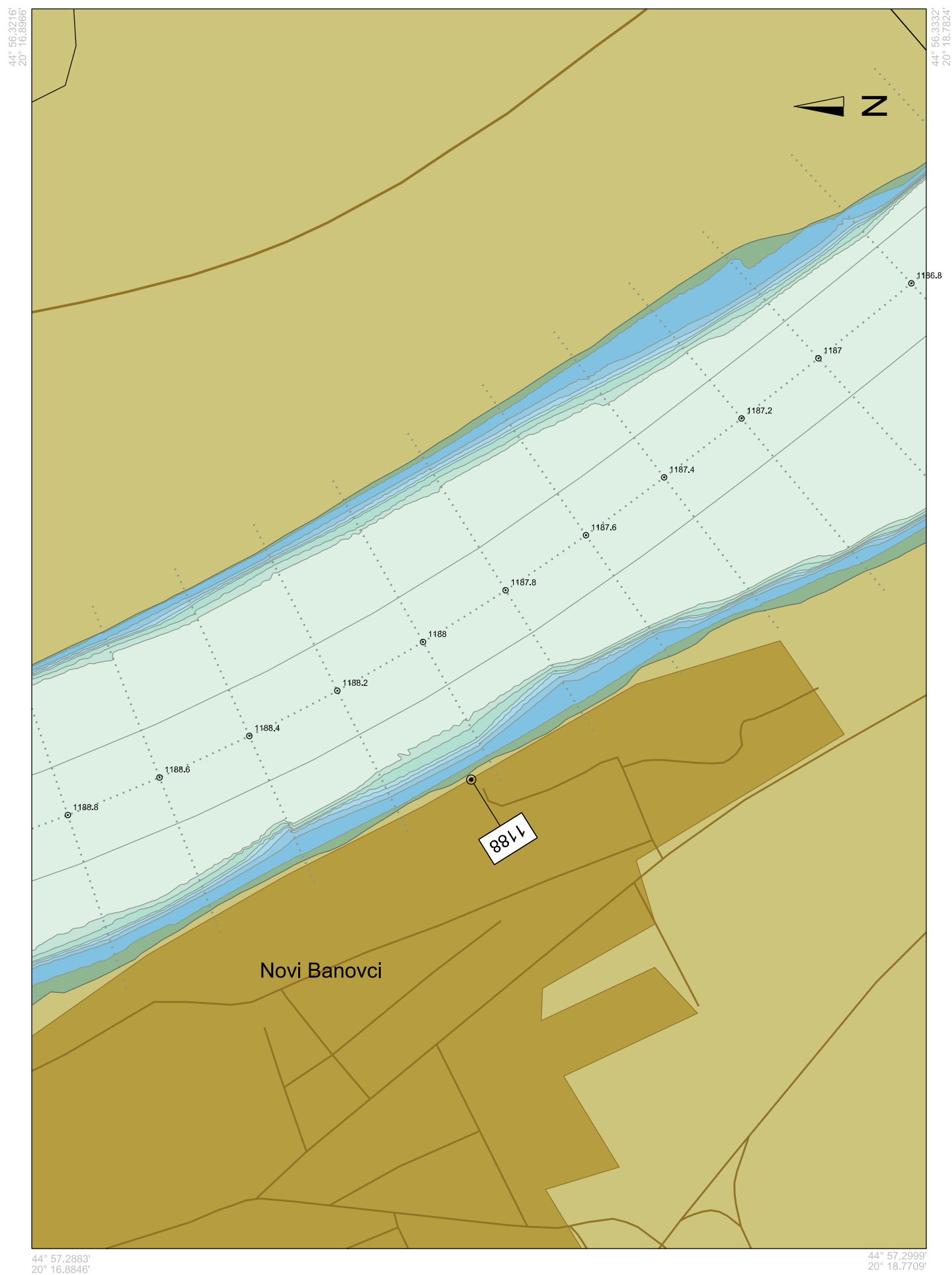
44° 57' 28.83"
20° 16' 8.846"

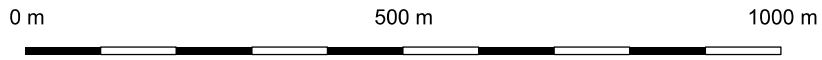
44° 57' 29.99"
20° 18' 7.709"



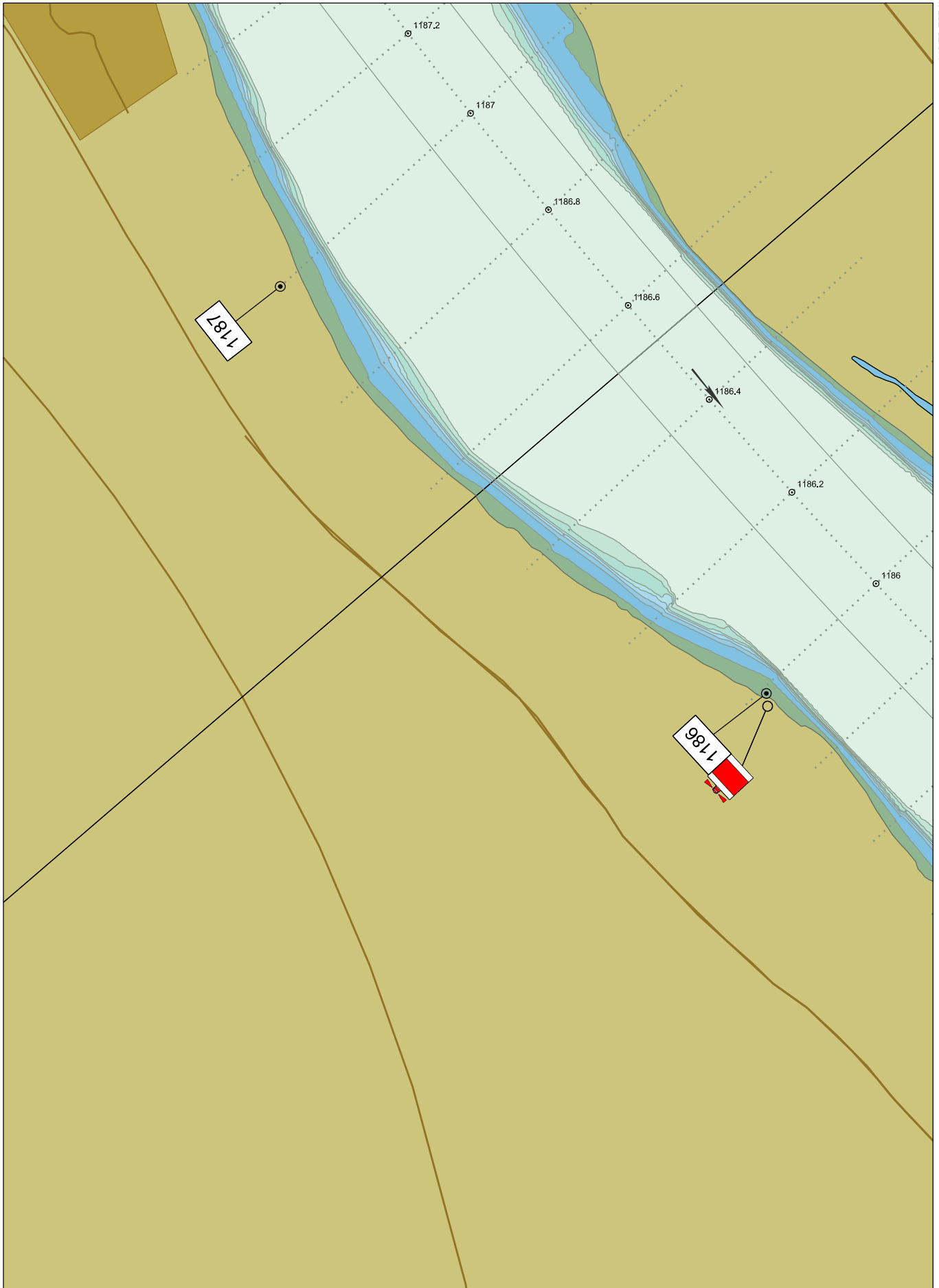
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20° 16' 8.725"

44° 58' 26.67"
20° 18' 7.594"





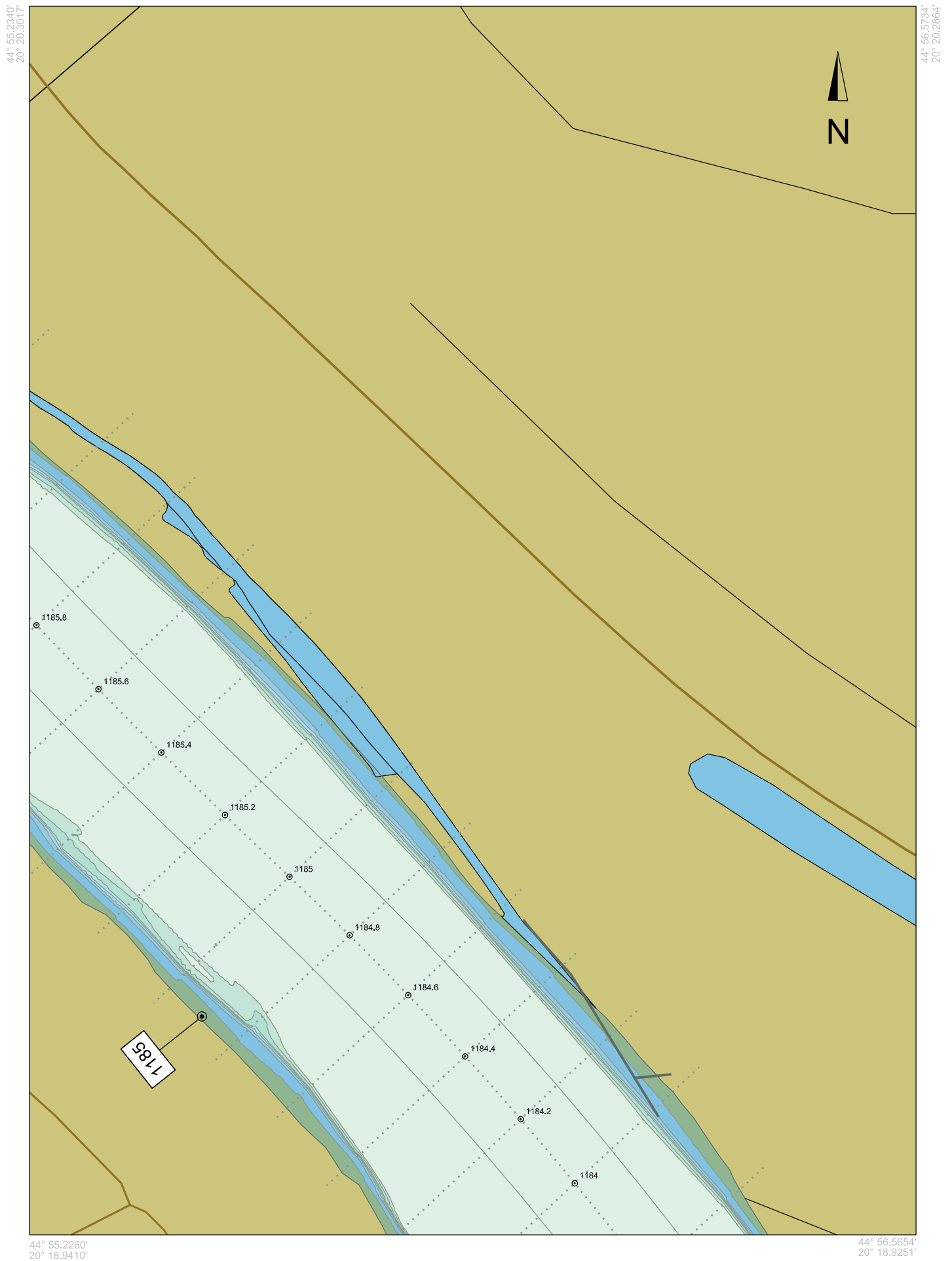
44° 55.2260'
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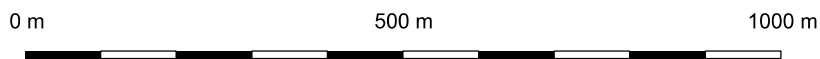


44° 56.5654'
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44° 55.2177'
20° 17.5803'

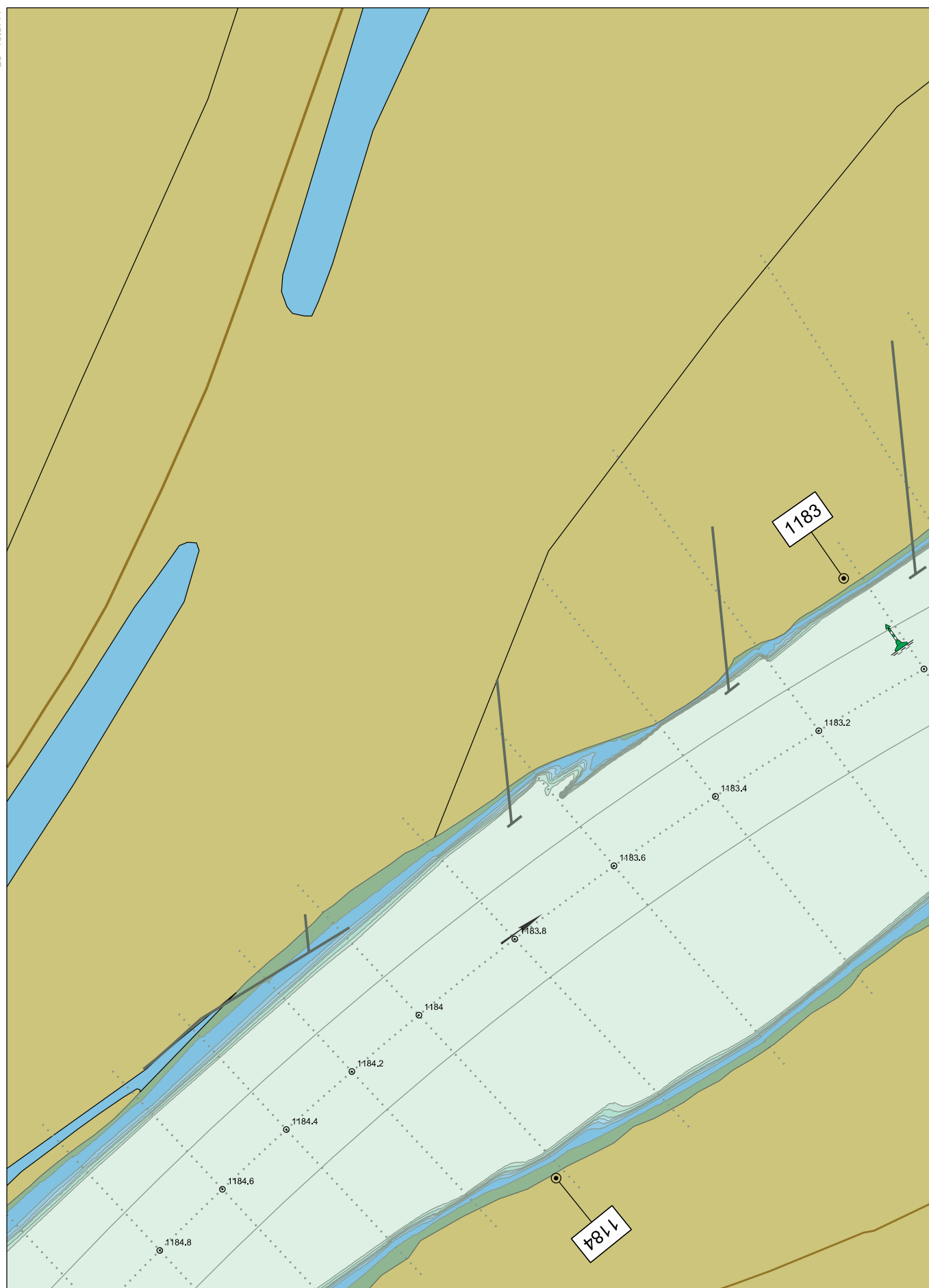
44° 56.5571'
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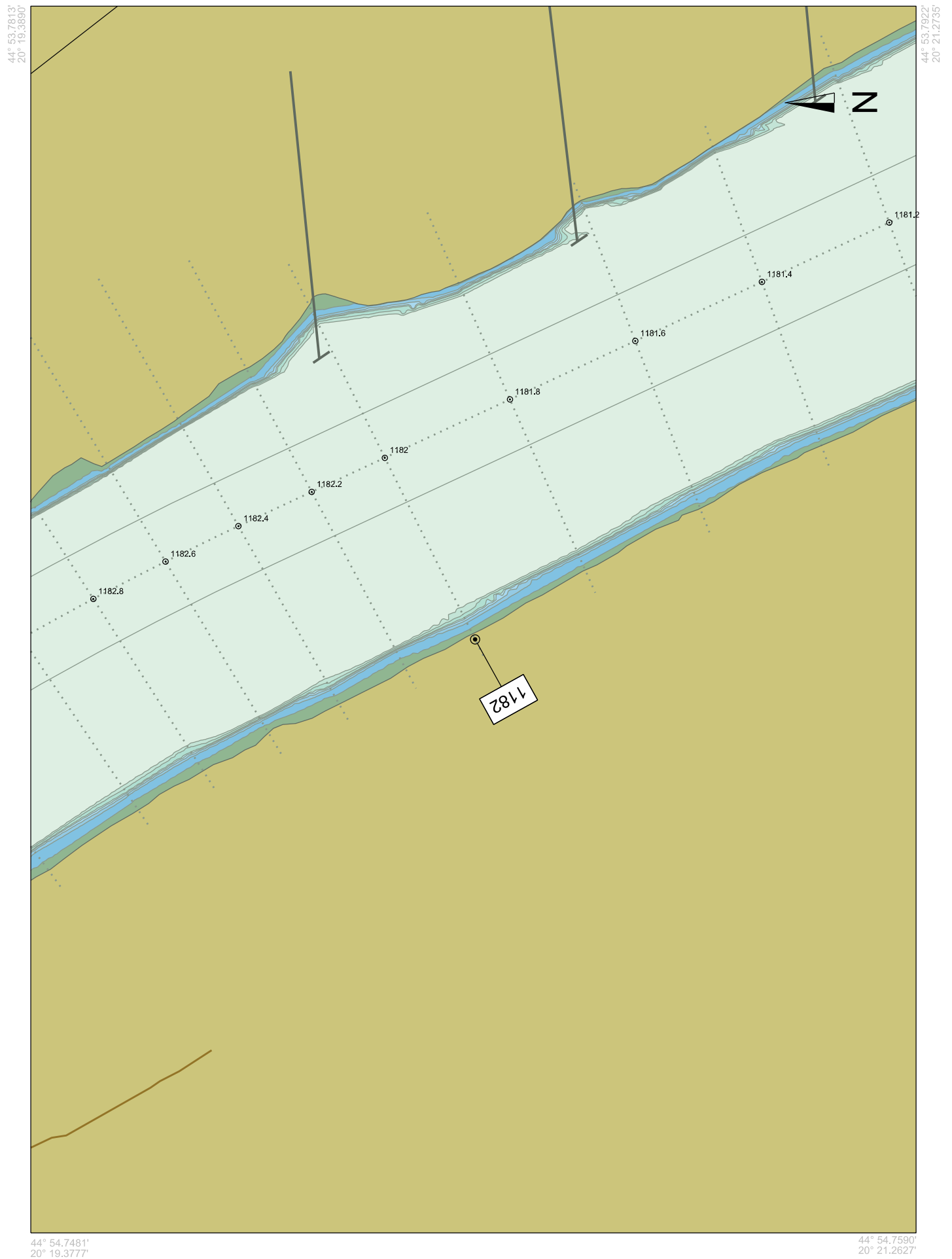
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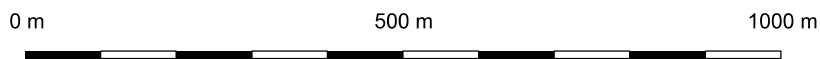
44° 54.7590'
20° 21.2627'



44° 55.7148'
20° 19.3663'

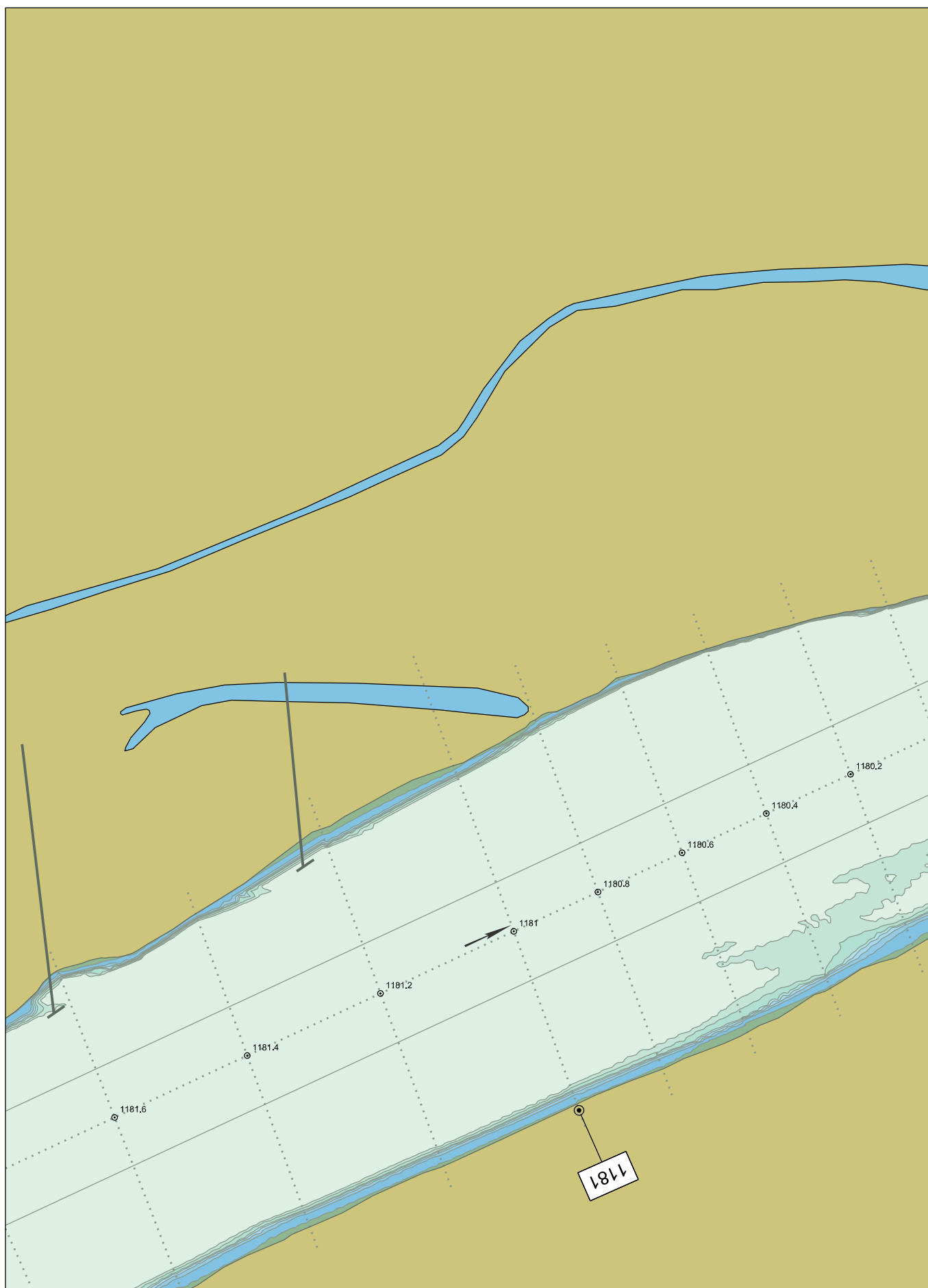
44° 55.7257'
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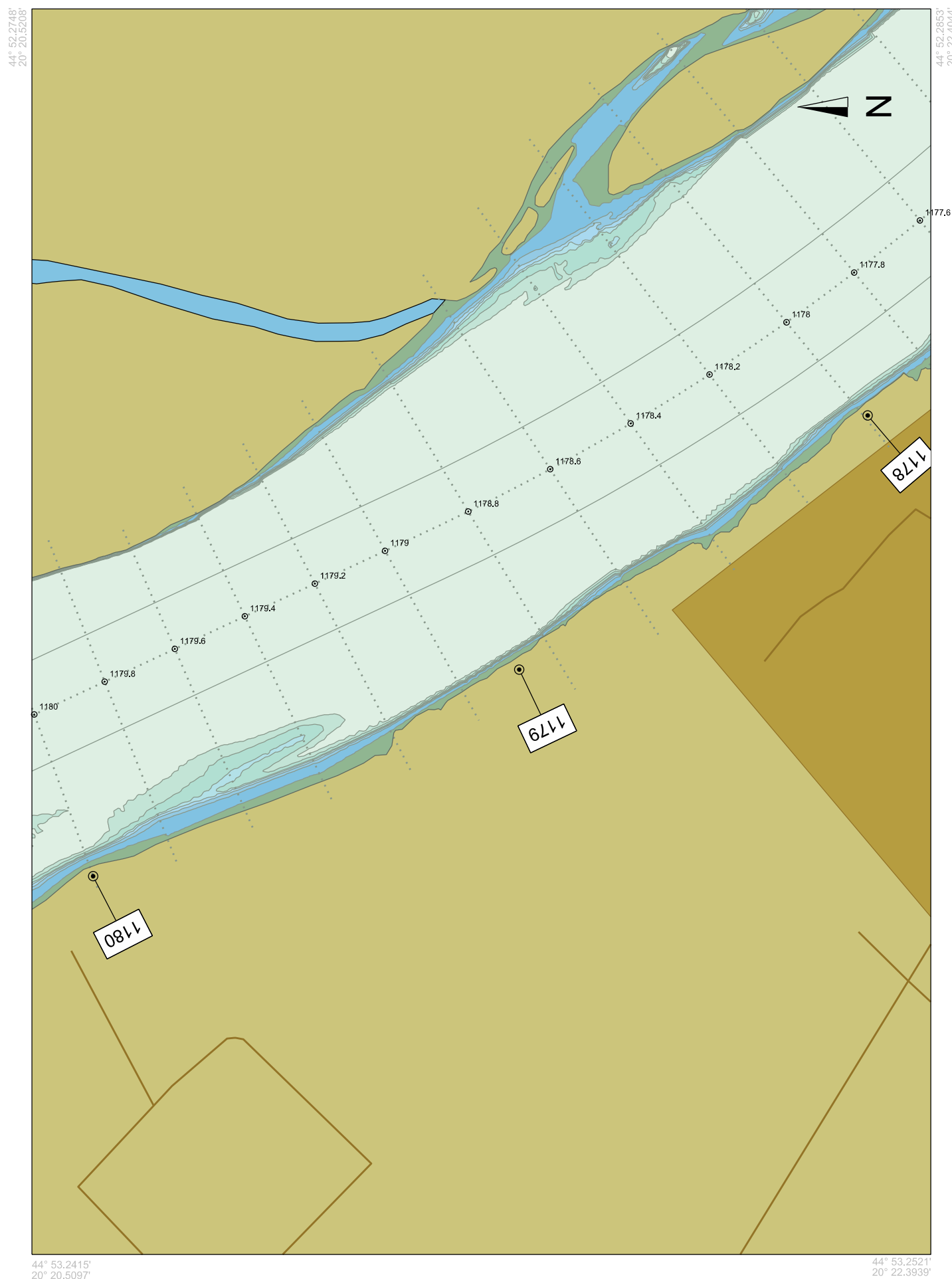
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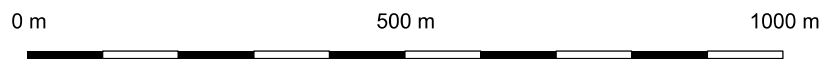
44° 53.2521'
20° 22.3939'



44° 54.2083'
20° 20.4987'

44° 54.2189'
20° 22.3834'





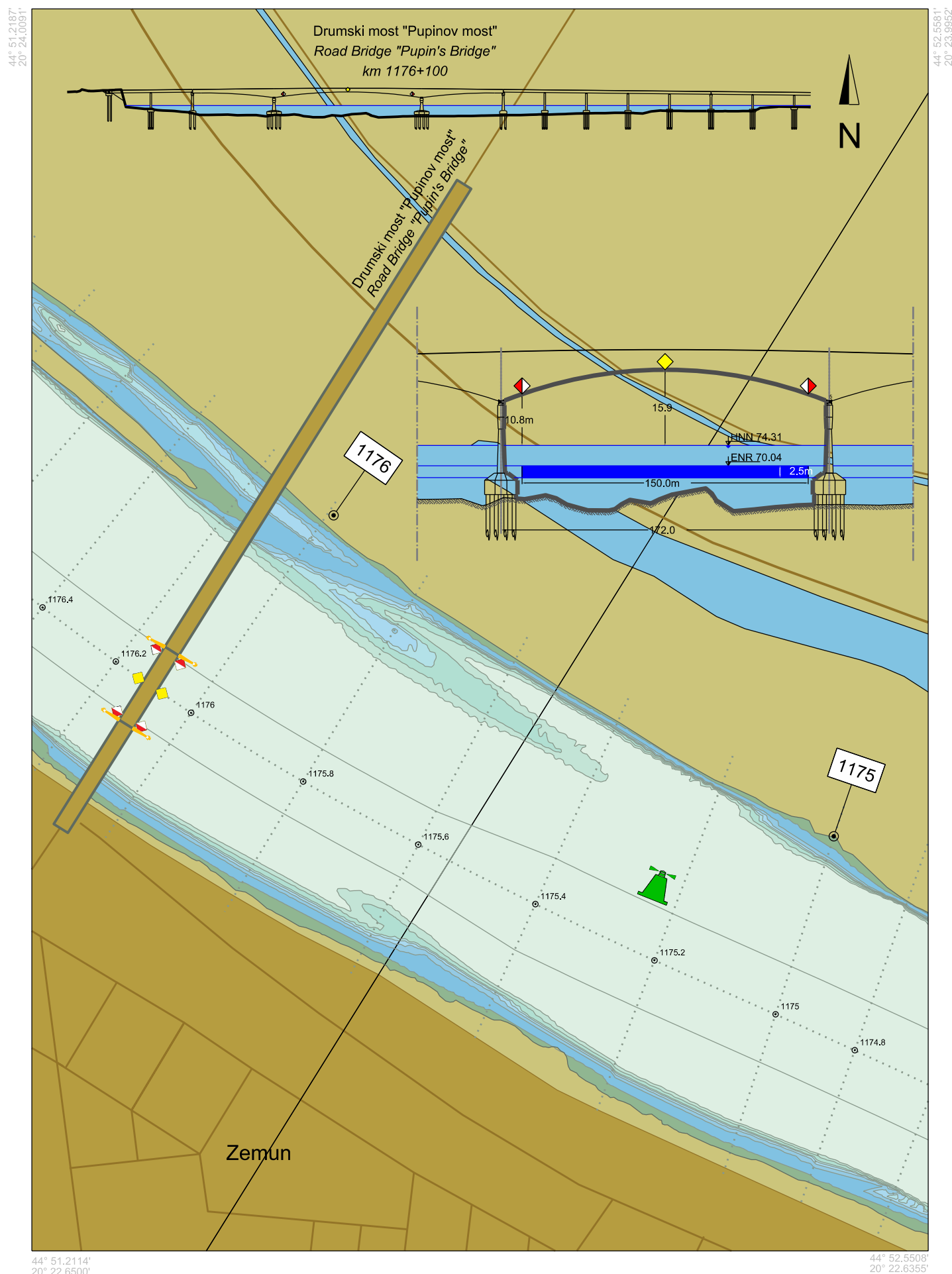
44° 51' 21.14"
20° 22' 6.500"

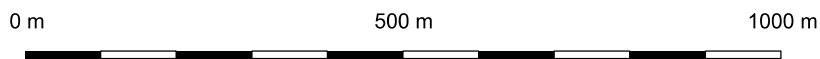
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20° 22' 6.355"



44° 51' 20.38"
20° 21' 29.08"

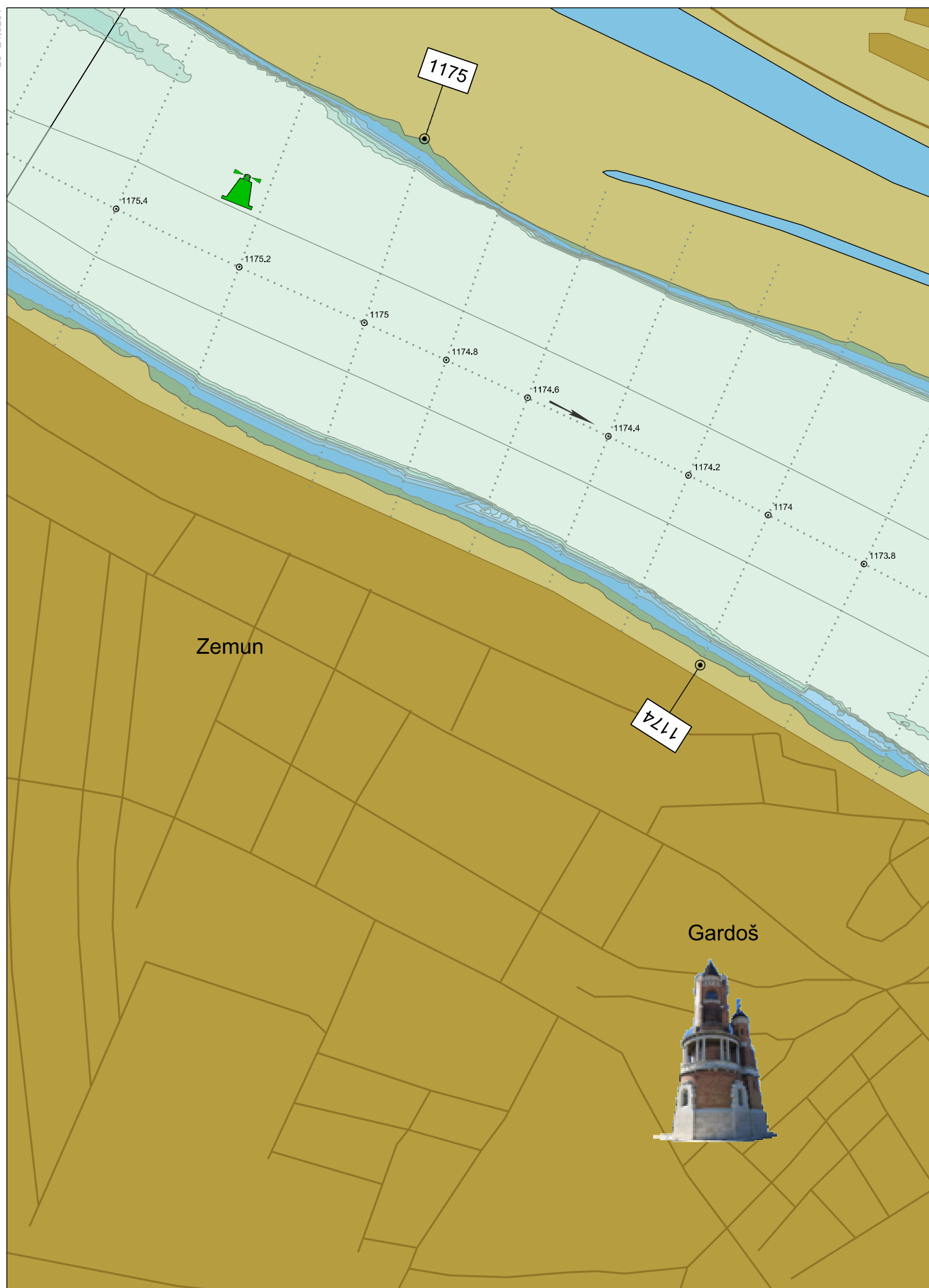
44° 52' 54.33"
20° 21' 27.59"





44° 50.4662'
20° 24.6201'

44° 51.8057'
20° 24.6064'

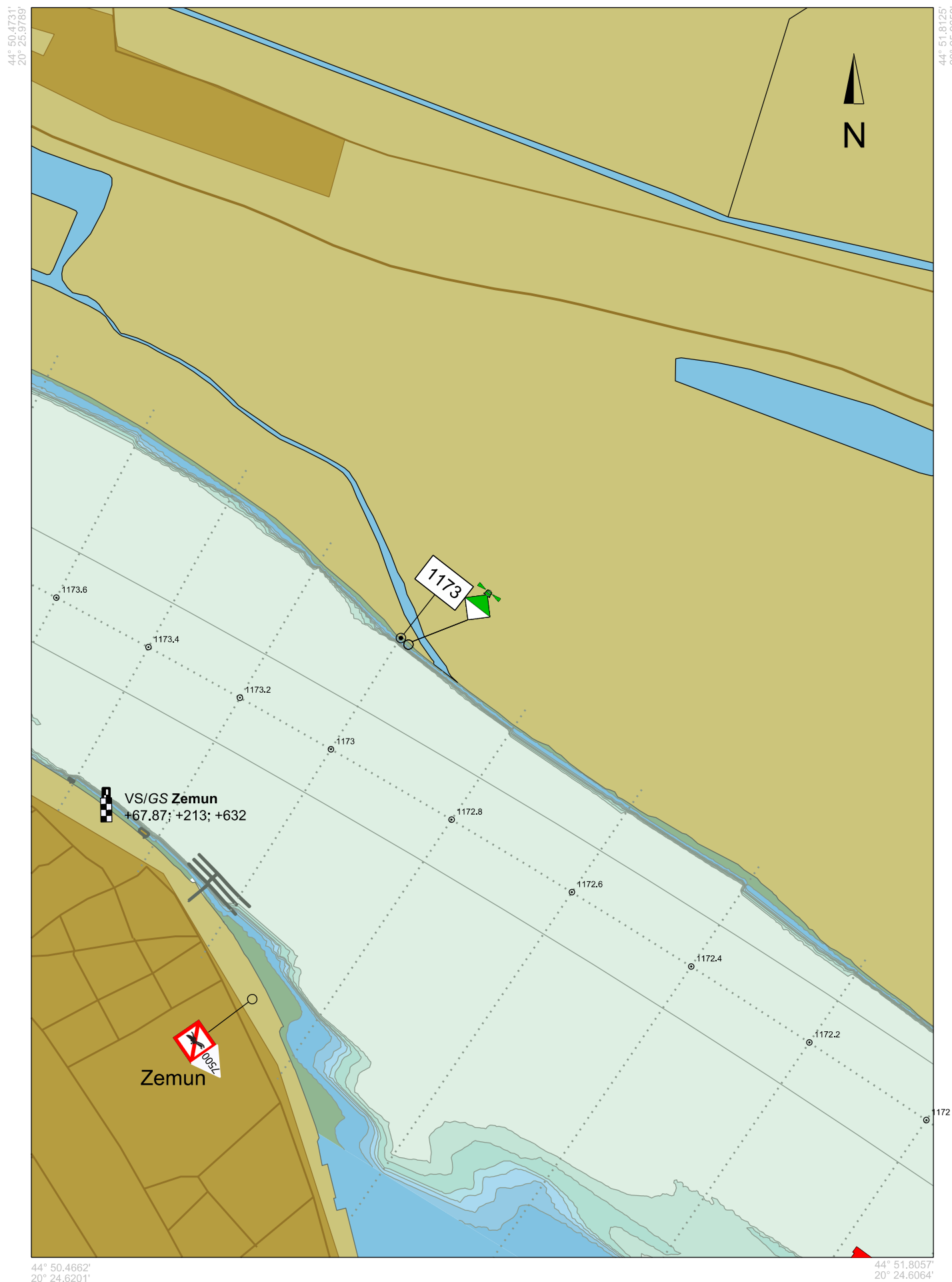


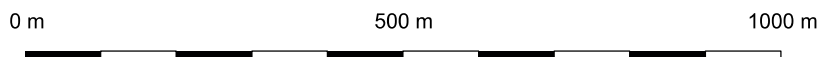
Zemun

Gardoš

44° 50.4591'
20° 23.2612'

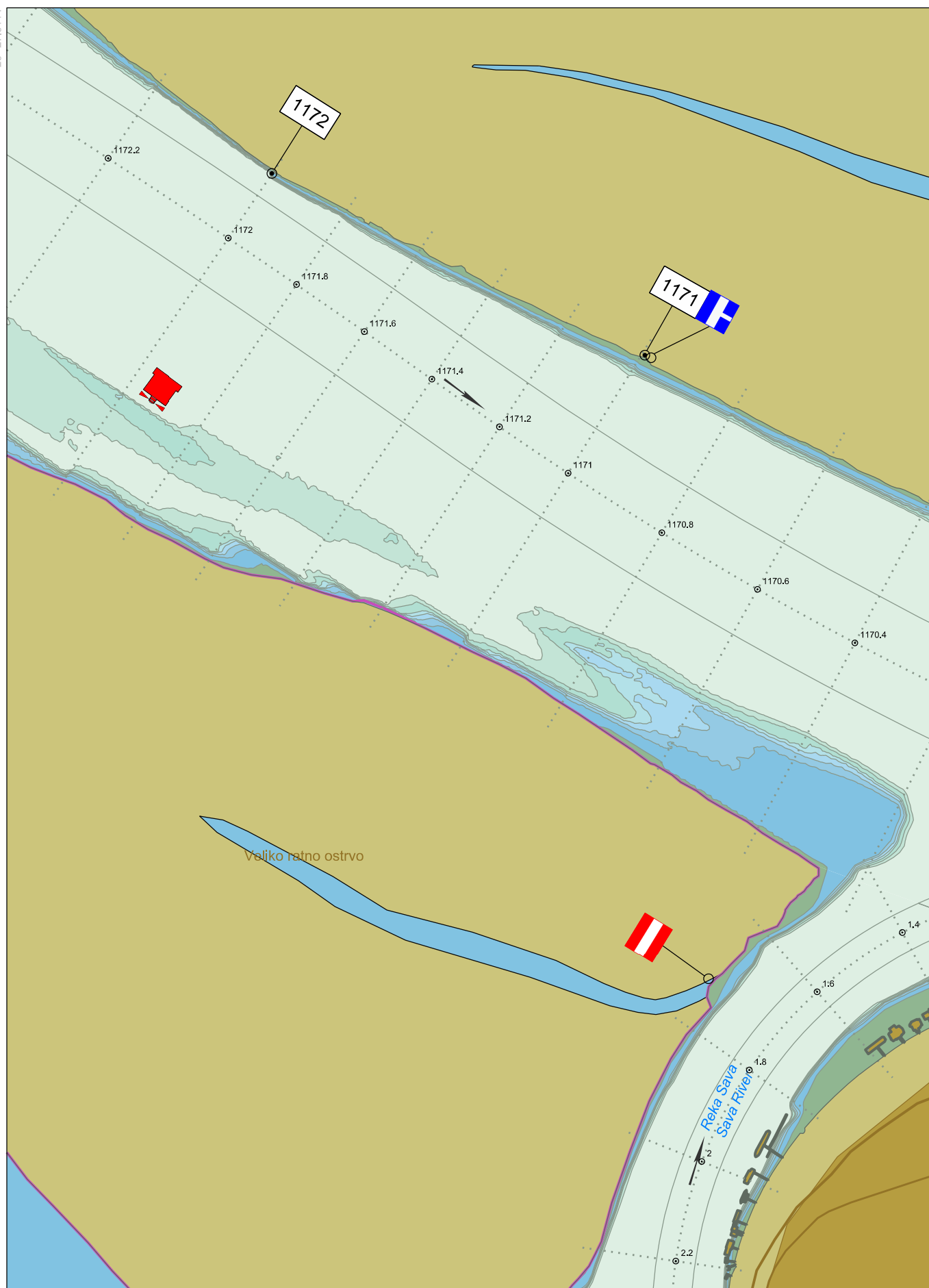
44° 51.7985'
20° 23.2470'





44° 49.5261'
20° 27.0114'

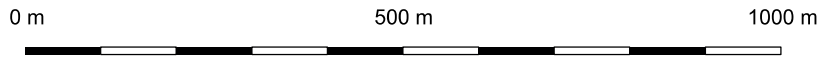
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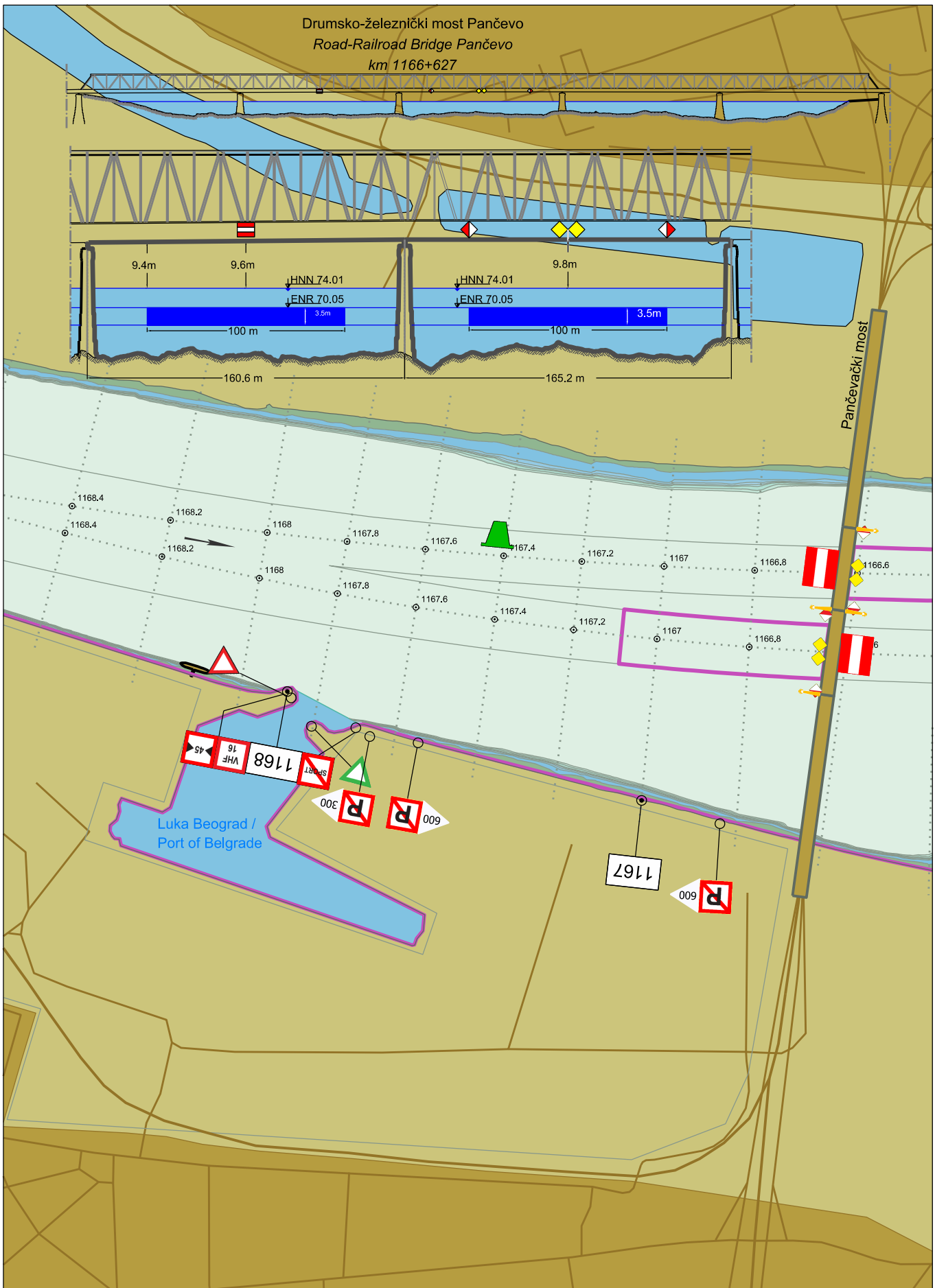
44° 49.5195'
20° 25.6529'

44° 50.8589'
20° 25.6396'



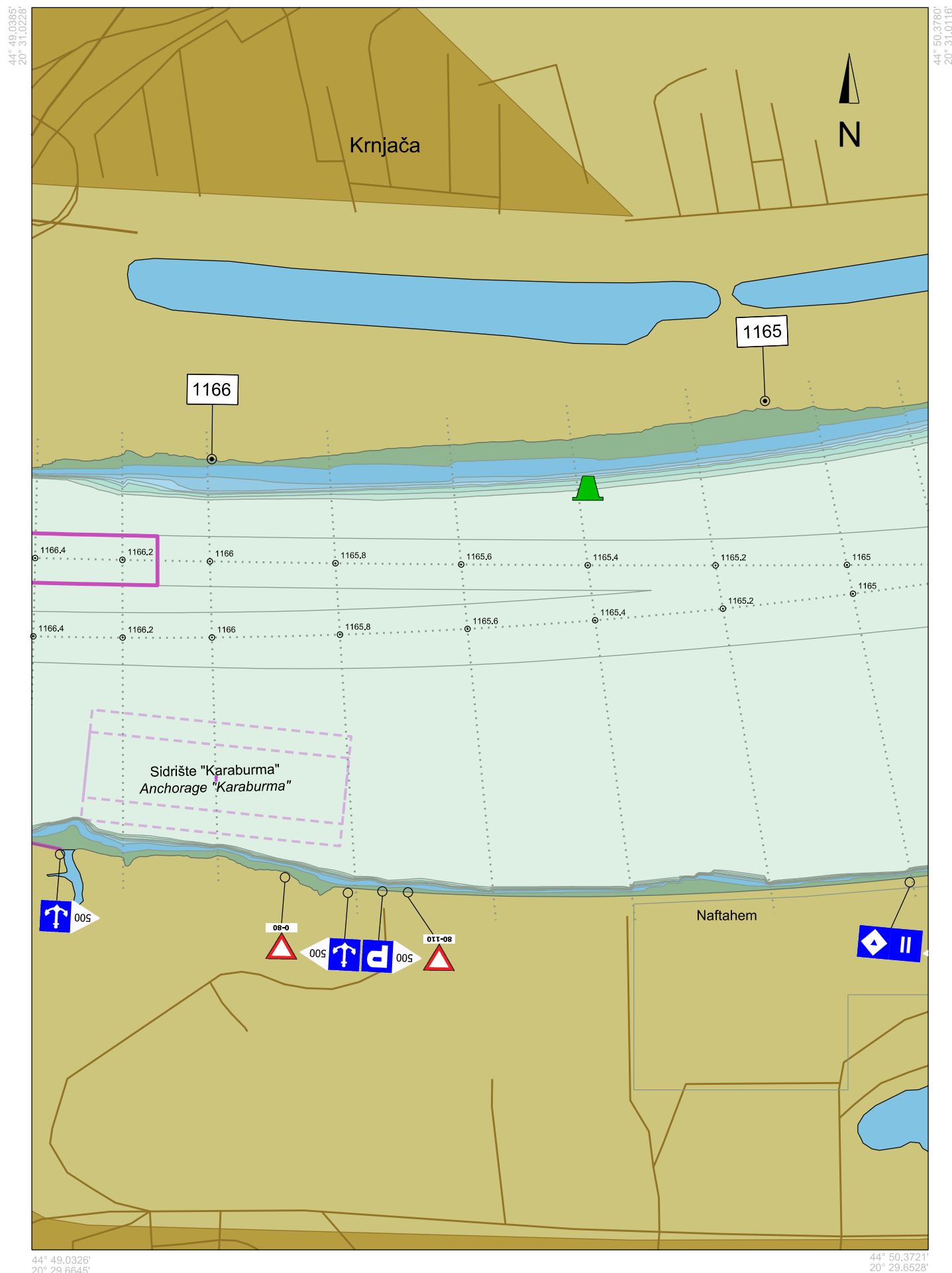


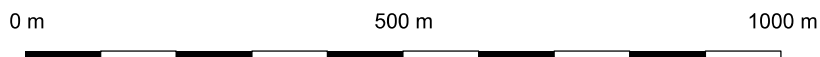
Drumsko-železnički most Pančevo
Road-Railroad Bridge Pančevo
km 1166+627



44° 49.0265'
20° 28.3062'

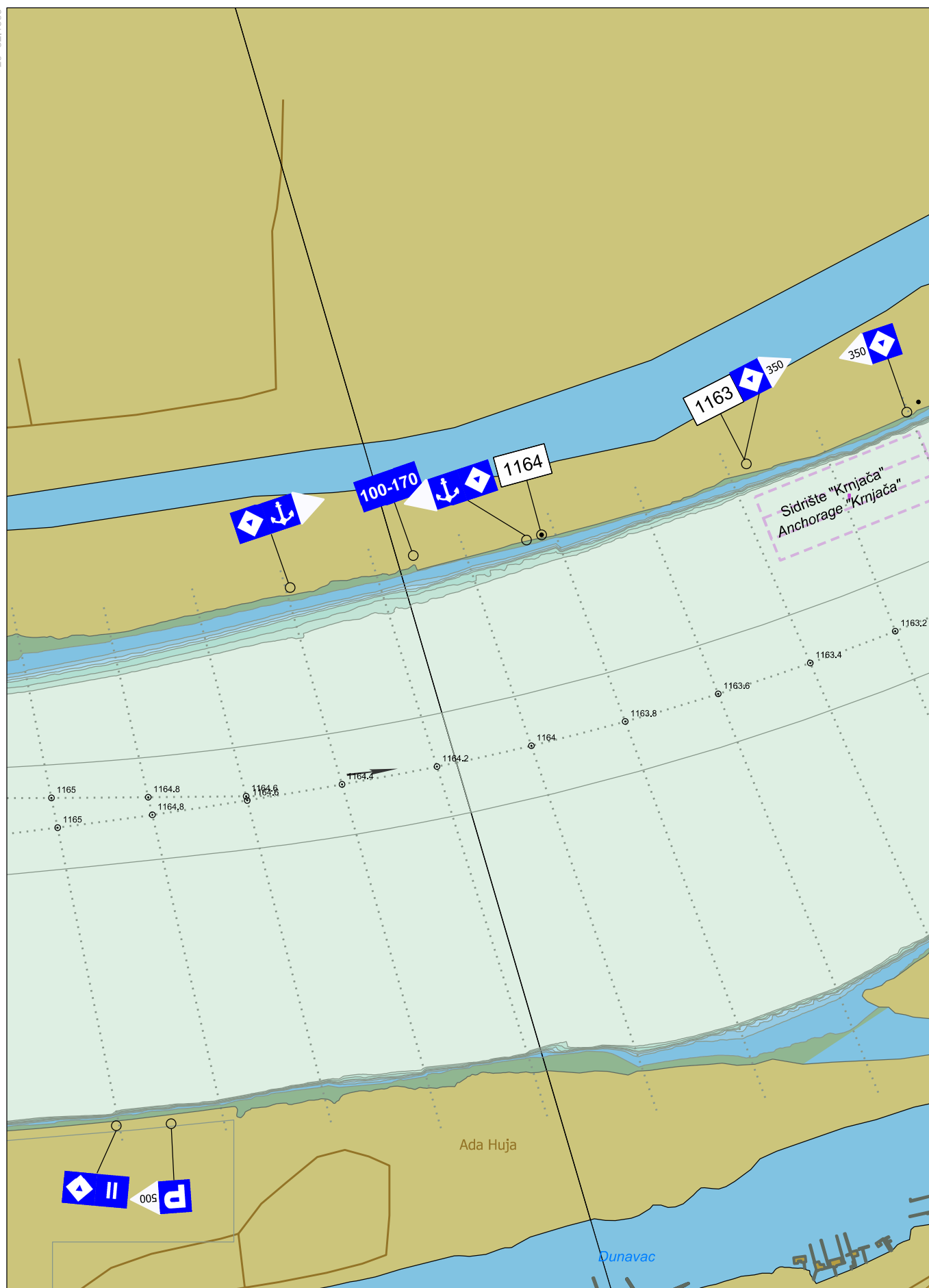
44° 50.3660'
20° 28.2939'





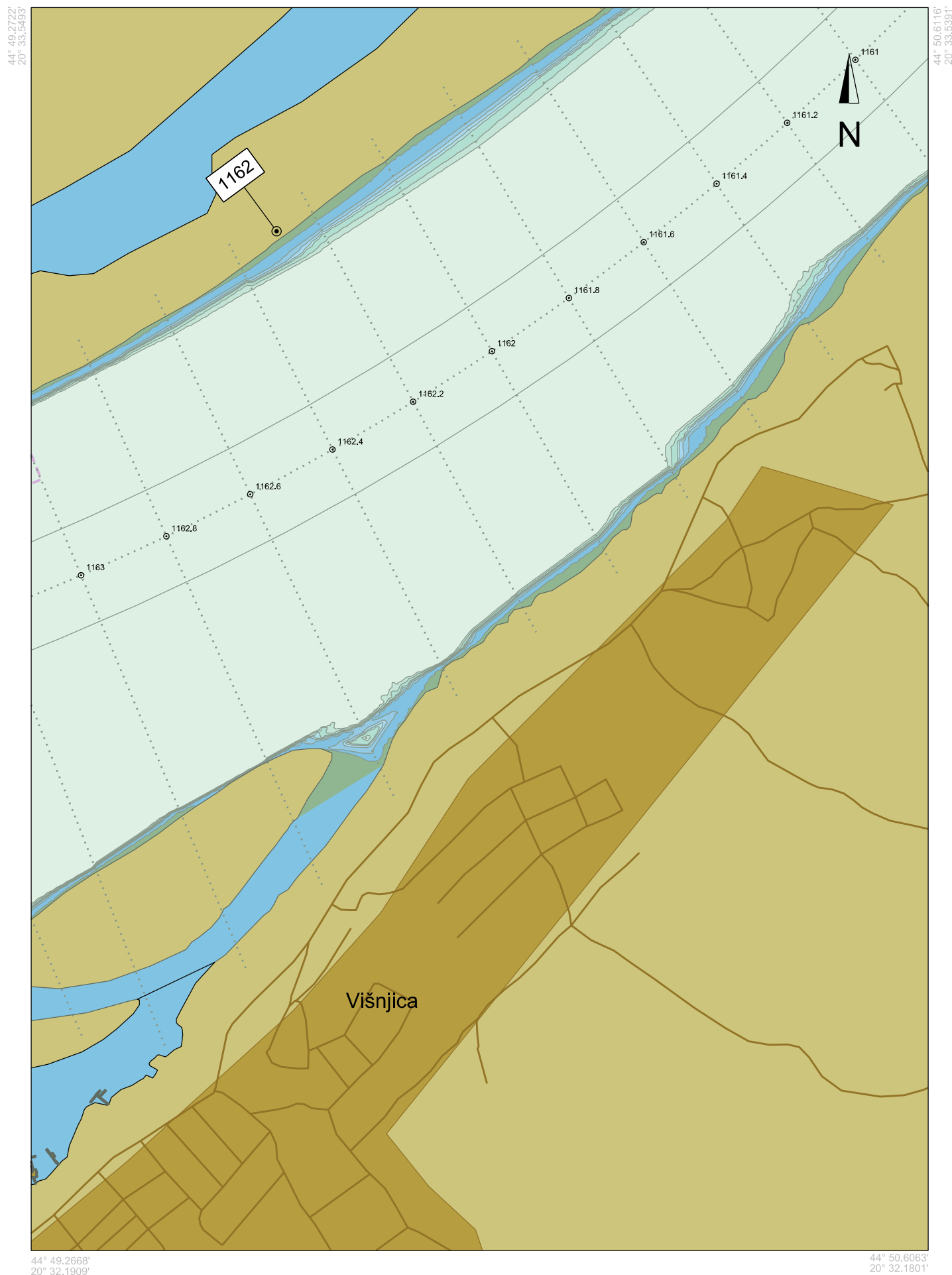
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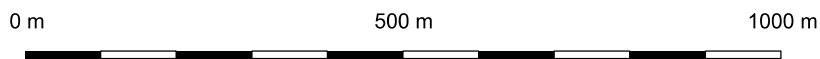
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44° 49.2611'
20° 30.8325'

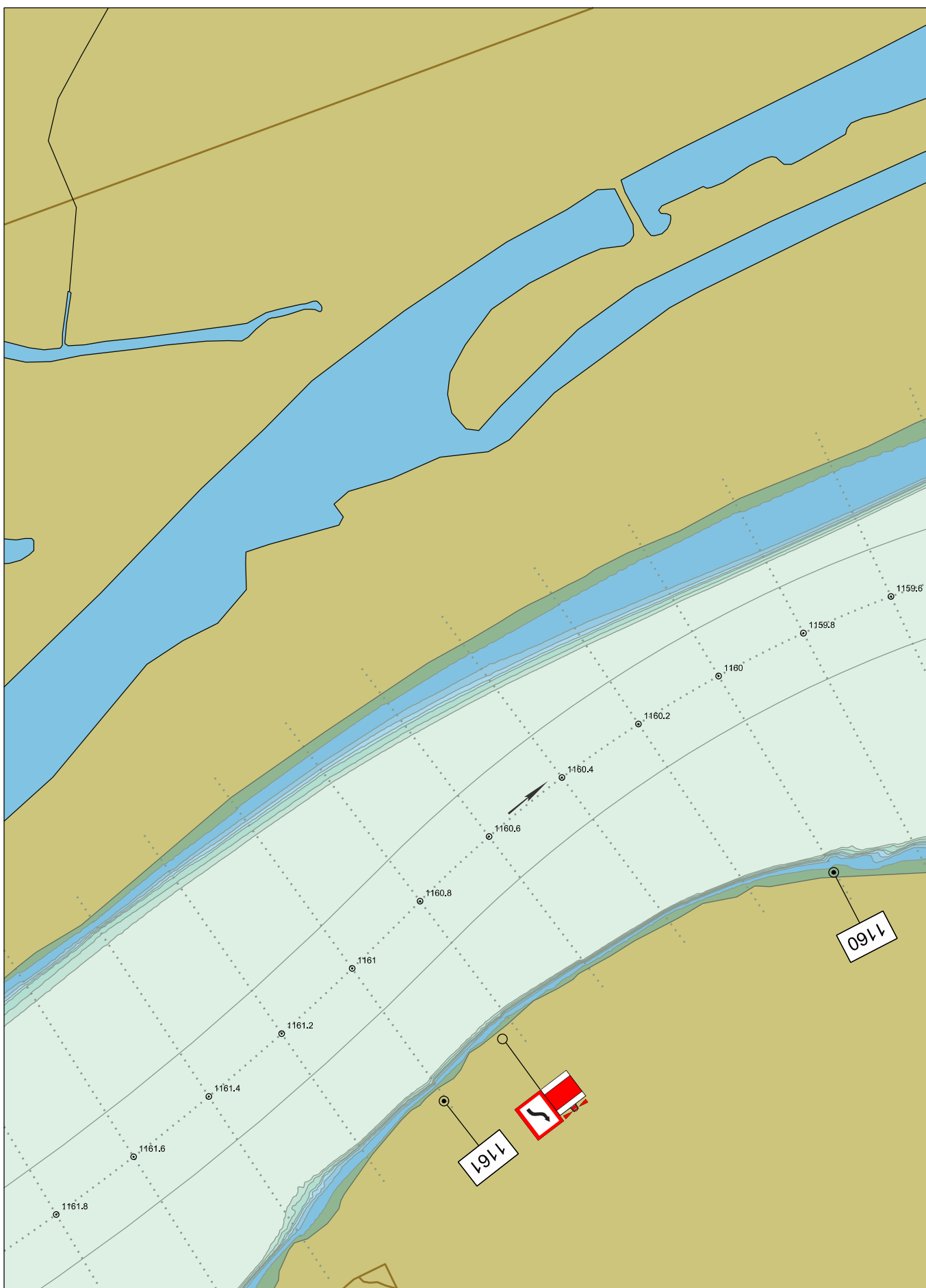
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20° 30.8212'





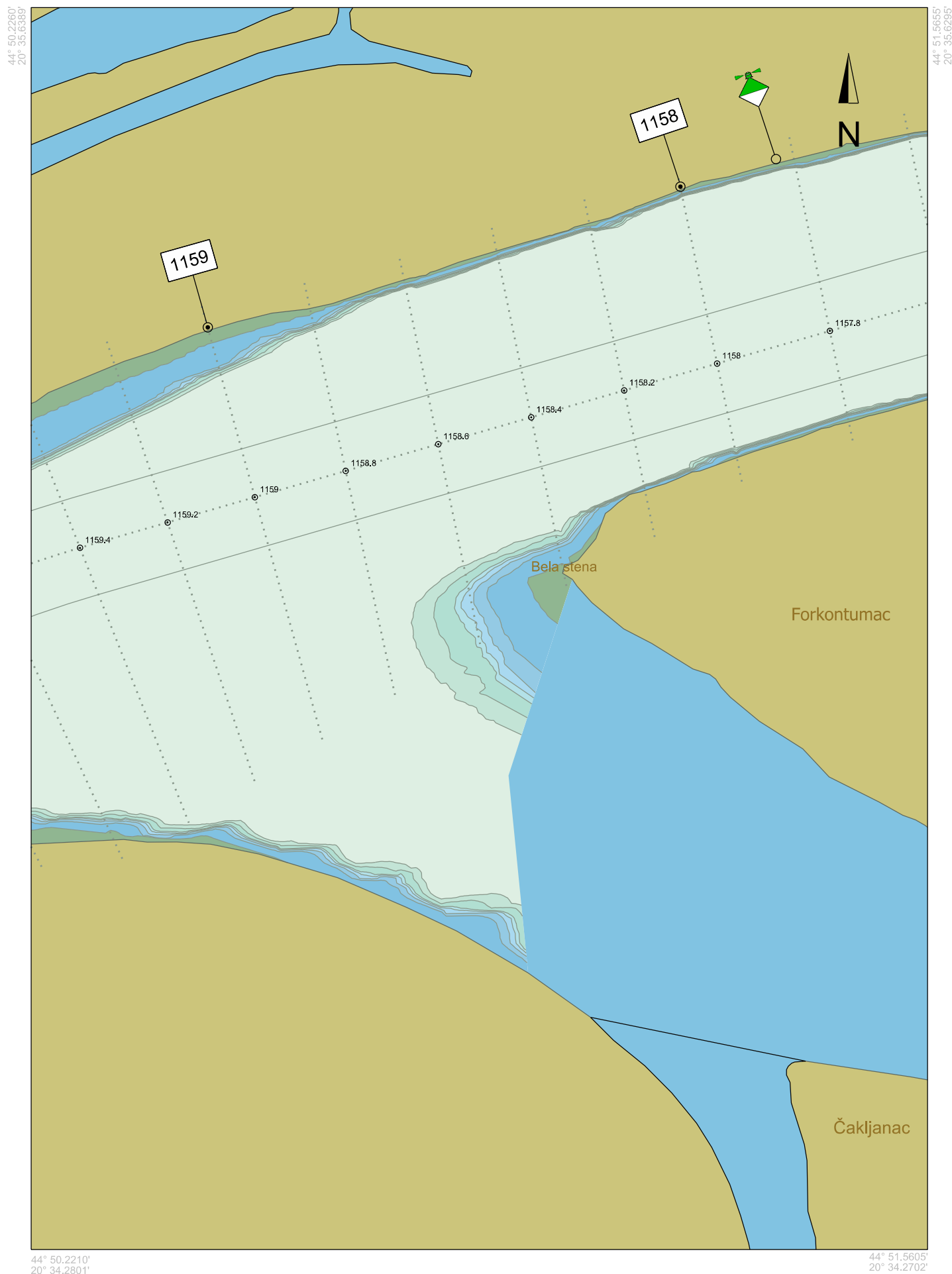
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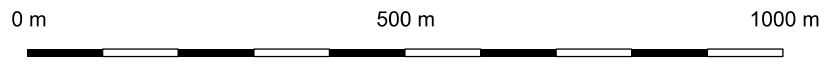
44° 51.5605'
20° 34.2702'



44° 50.2158'
20° 32.9213'

44° 51.5553'
20° 32.9109'





44° 50.5881'
20° 36.5185'

44° 51.9276'
20° 36.5094'



44° 50.5833'
20° 35.1596'

44° 51.9228'
20° 35.1500'

Forkontumac

SERBIA

Beograd

Sava River

ROMANIA

Smederevo

Page 80

km 1158.2 - 1154.6

44° 50.5927'
20° 37.8775'

44° 51.9321'
20° 37.8689'

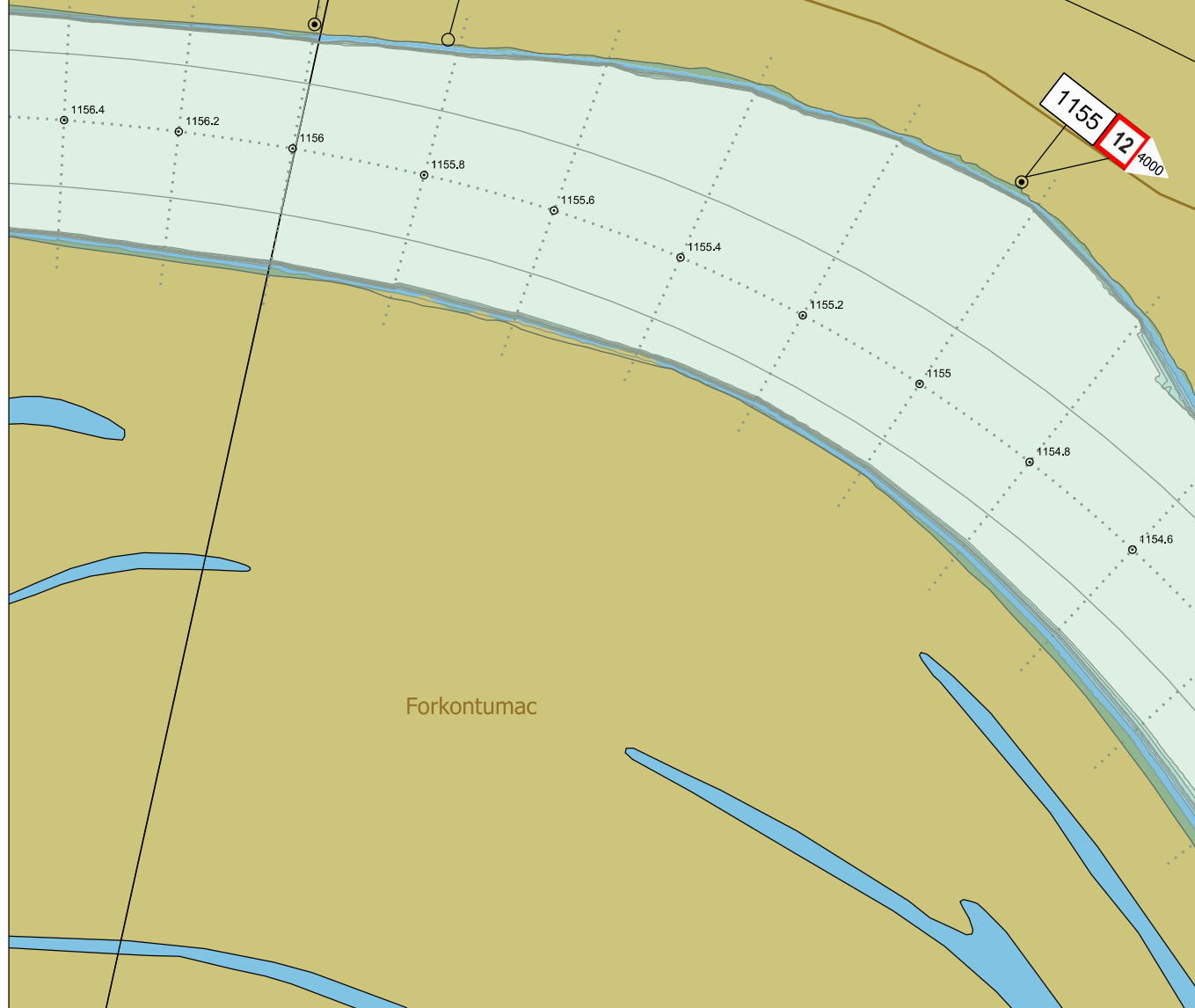


1156



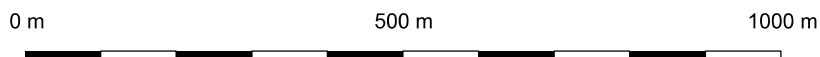
1155 12 4000

Forkontumac



44° 50.5881'
20° 36.5185'

44° 51.9276'
20° 36.5094'



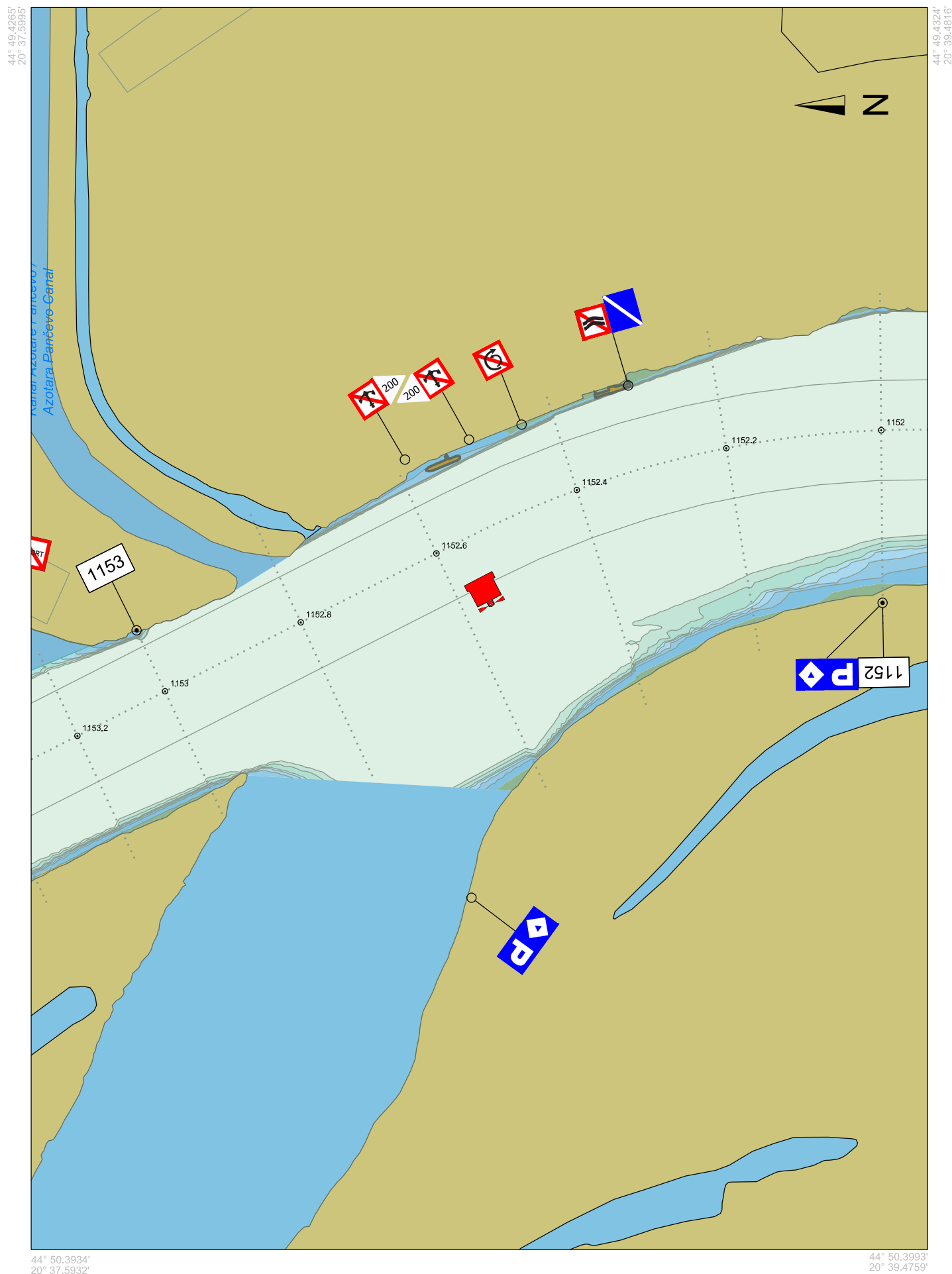
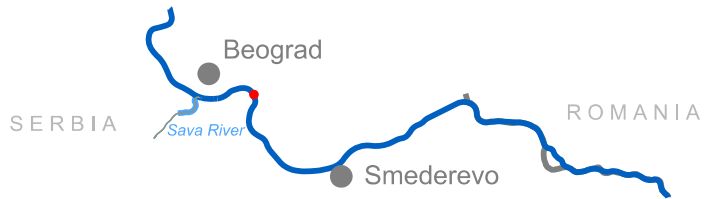
44° 50.3934'
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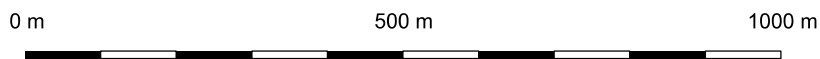
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44° 51.3602'
20° 37.5870'

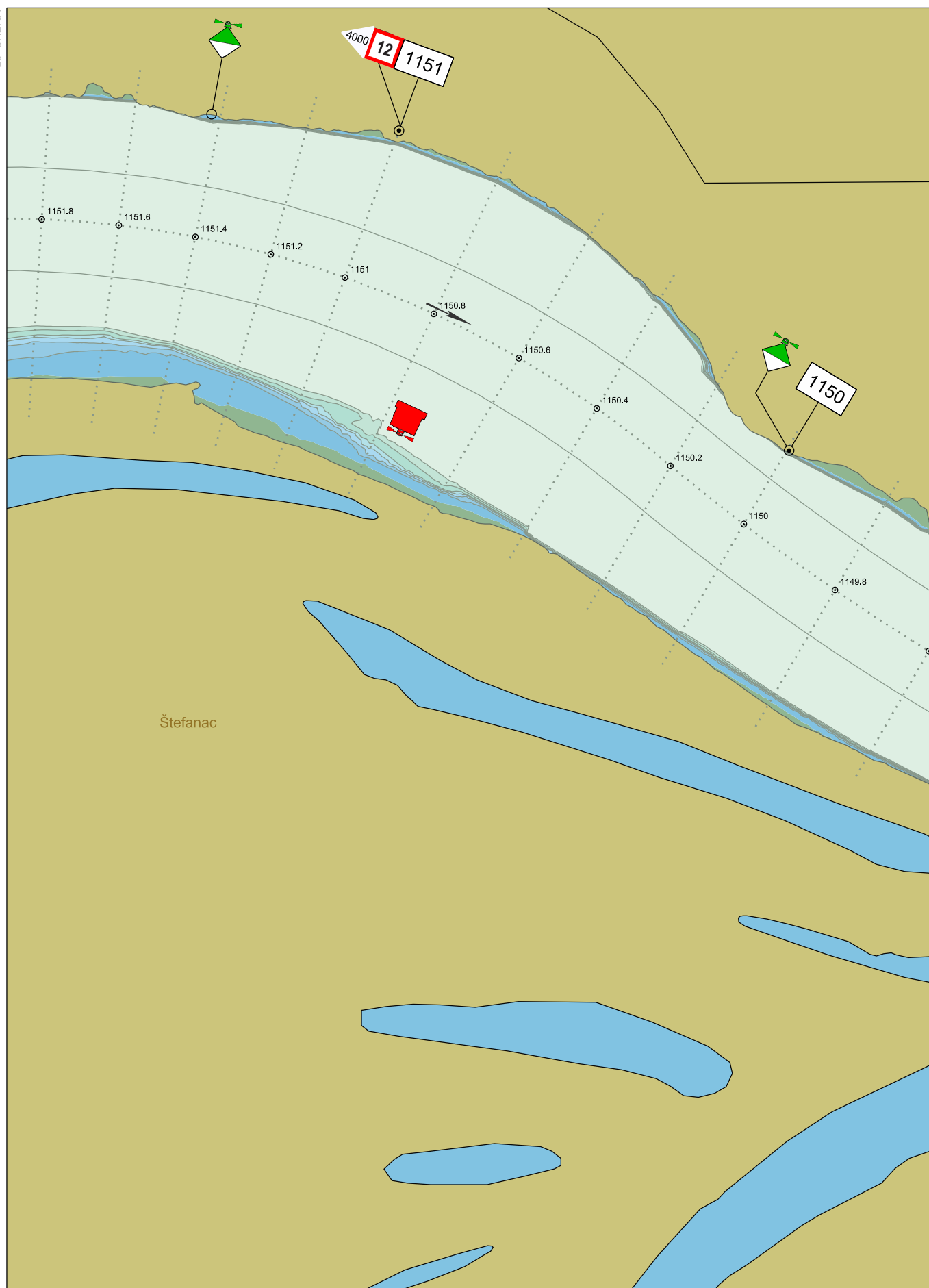
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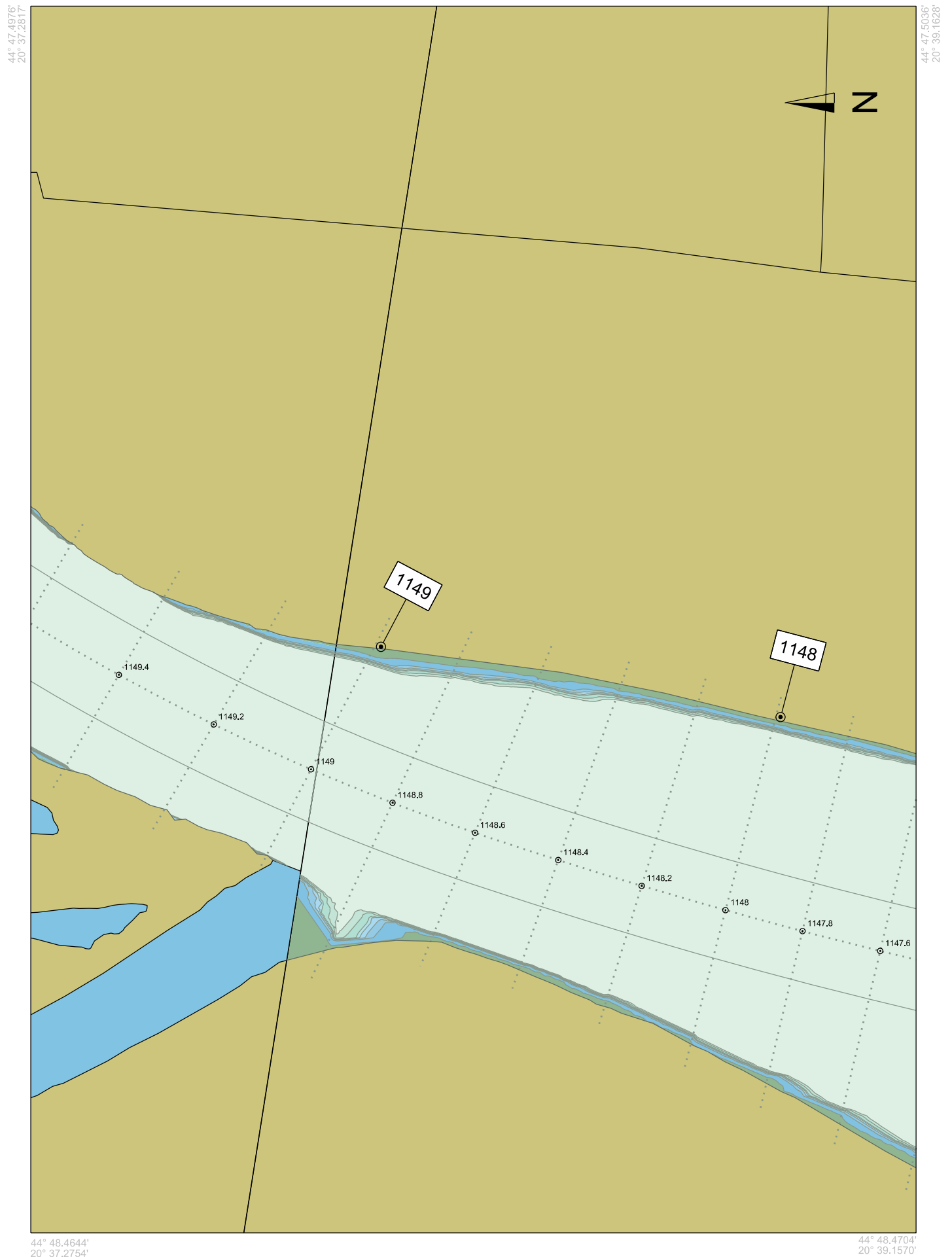
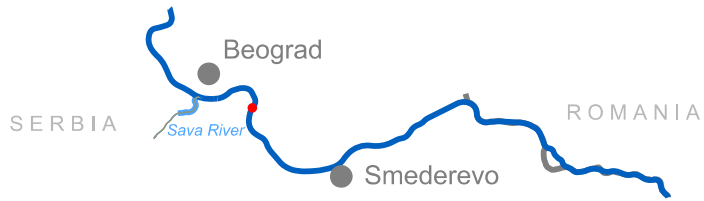
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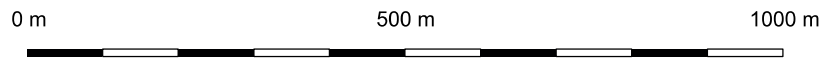
44° 48.4704'
20° 39.1570'



44° 49.4312'
20° 37.2691'

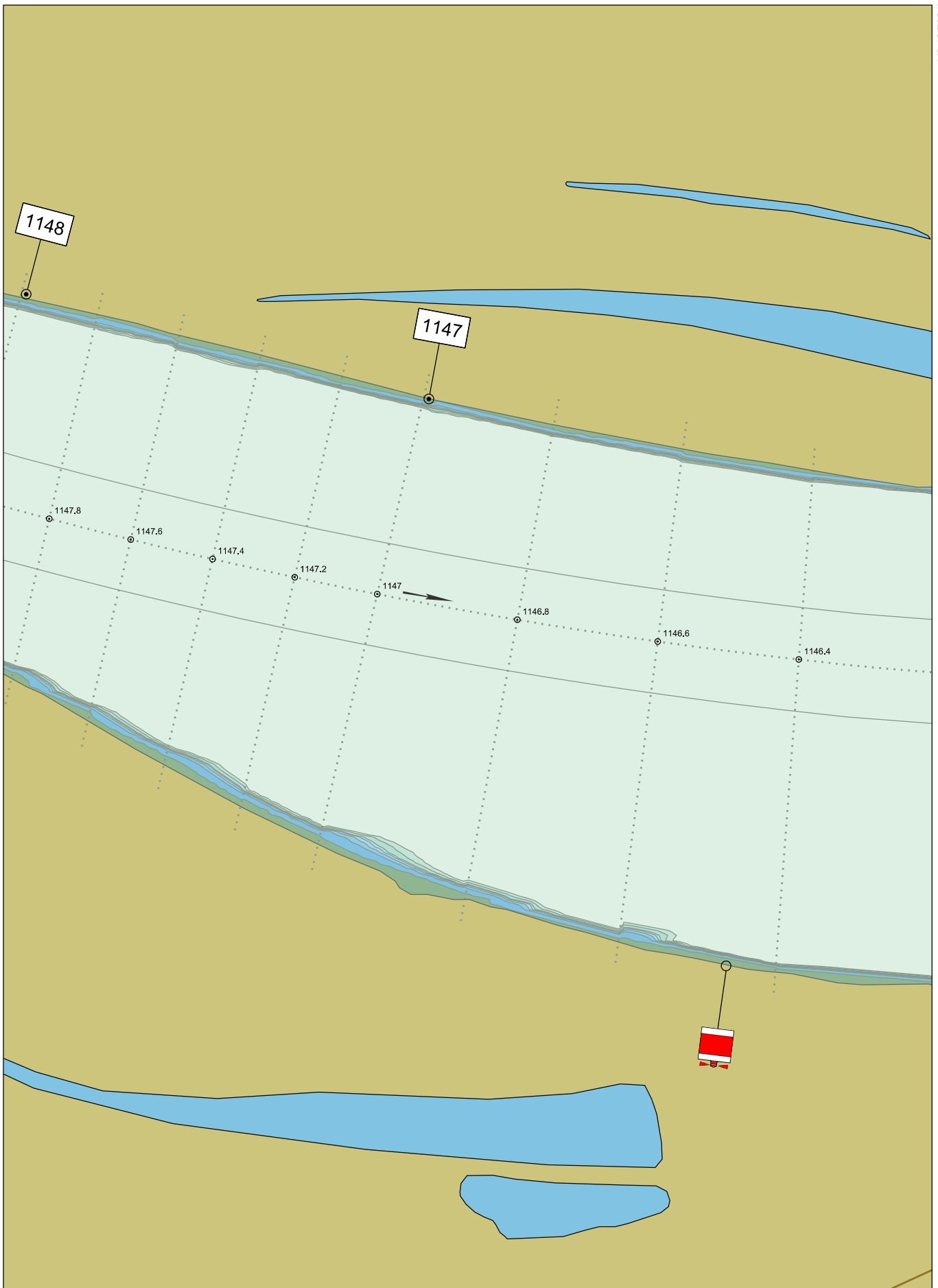
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20° 39.1512'





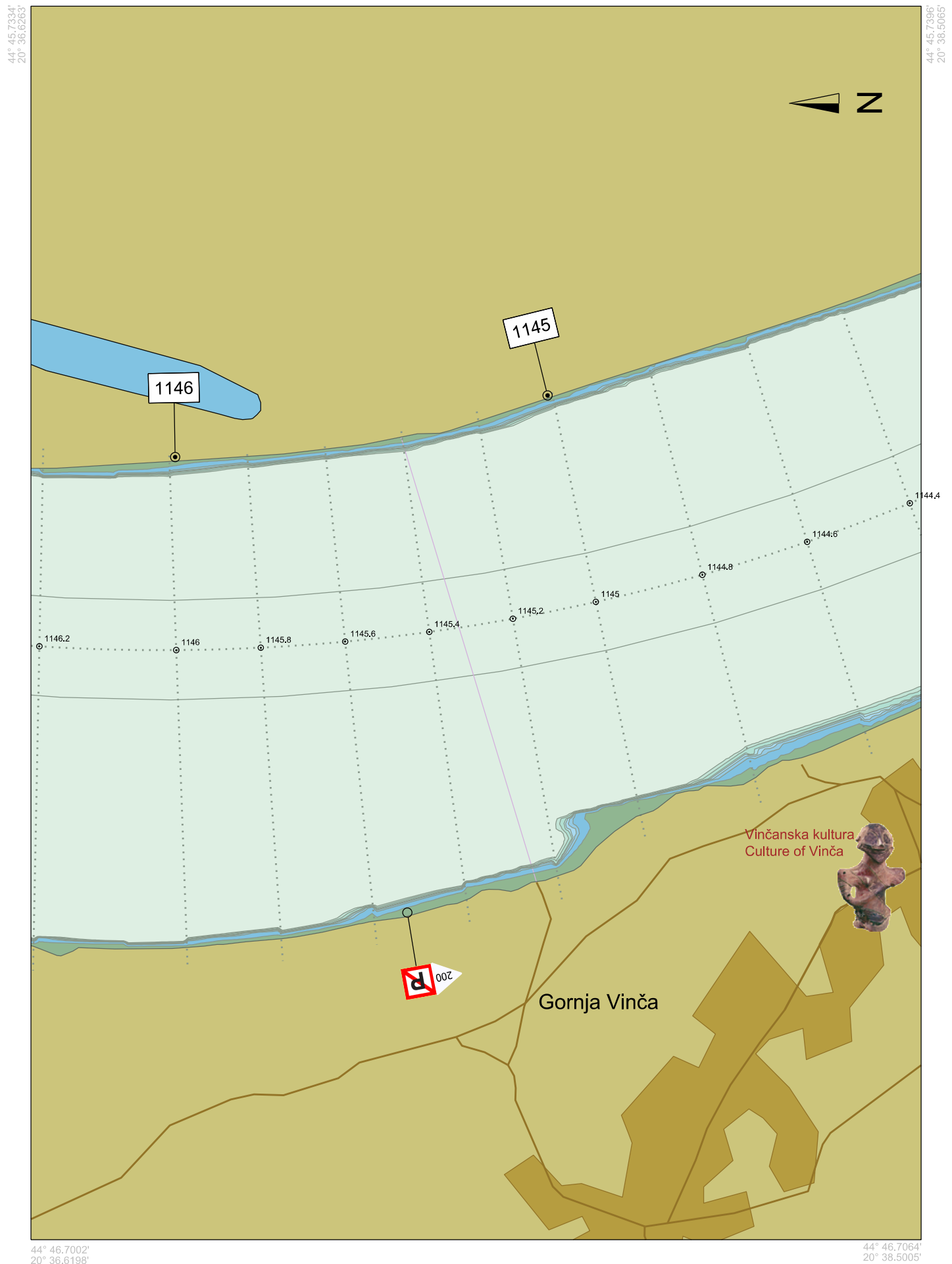
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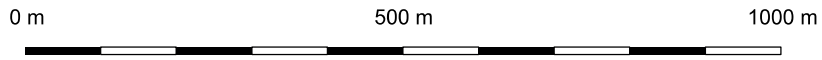
44° 46.7064'
20° 38.5005'



44° 47.6671'
20° 36.6133'

44° 47.6732'
20° 38.4945'

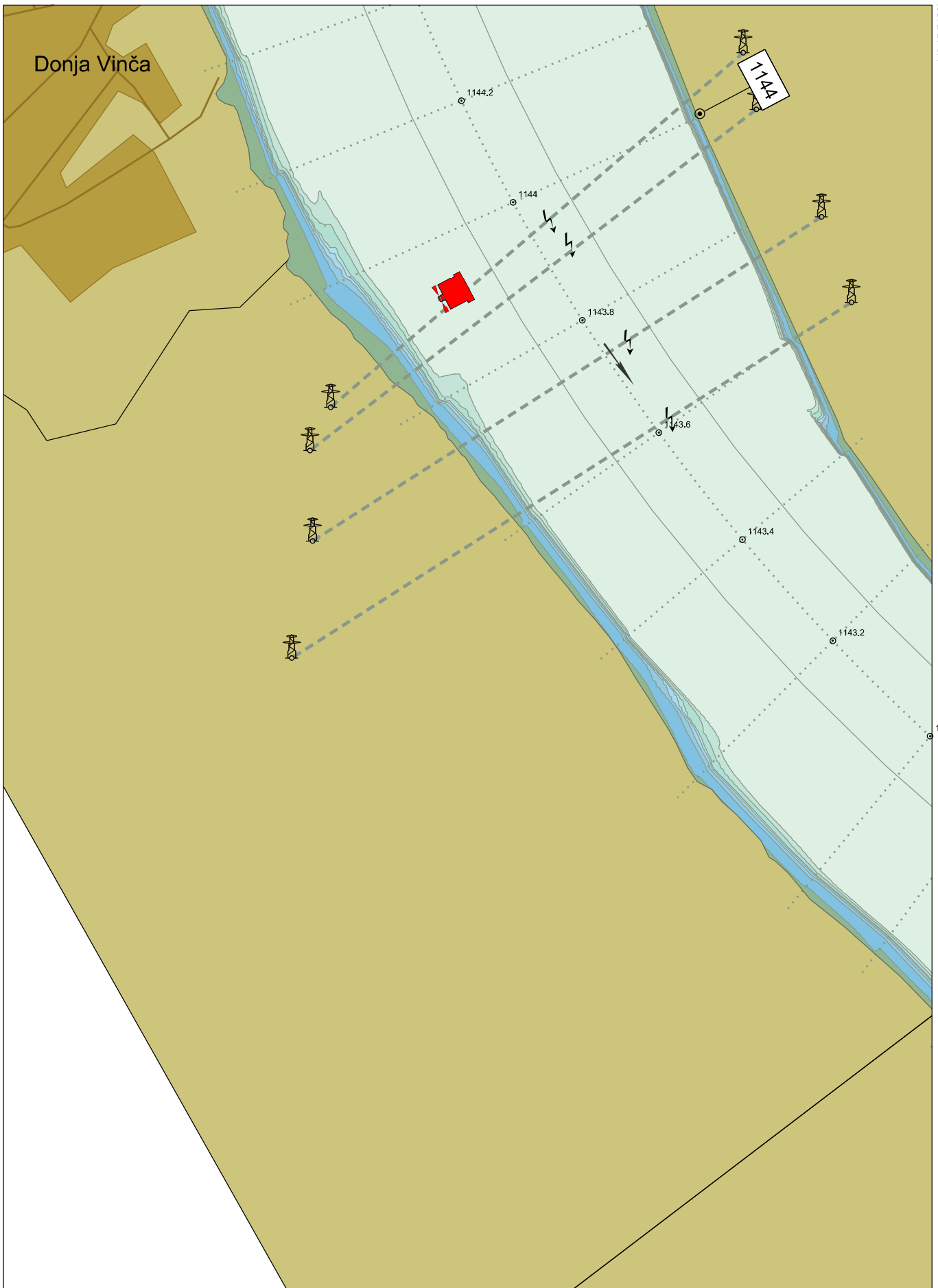




44° 44.4032'
20° 38.5123'

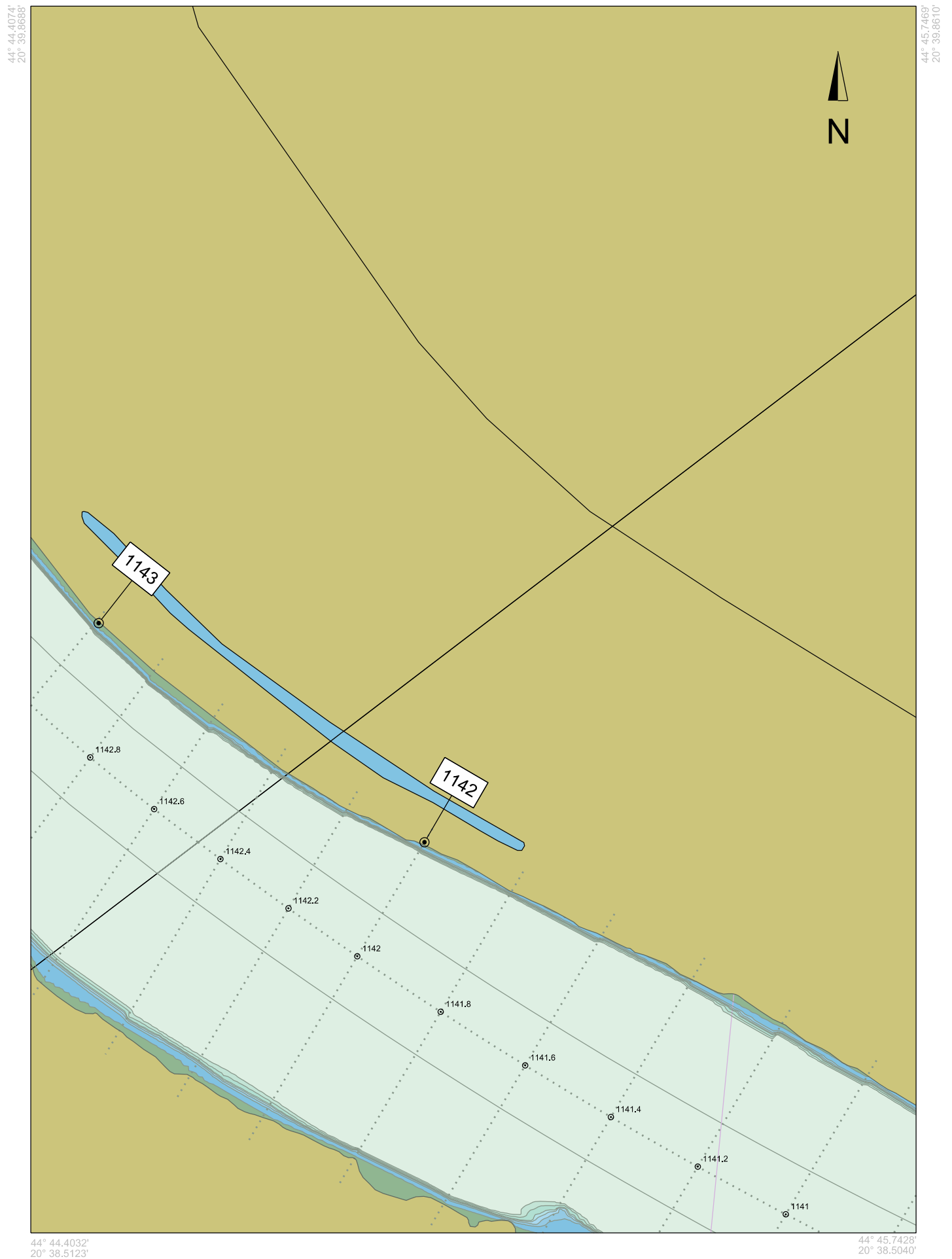
Donja Vinča

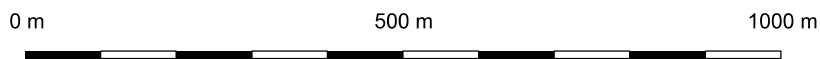
44° 45.7428'
20° 38.5040'



44° 44.3988'
20° 37.1557'

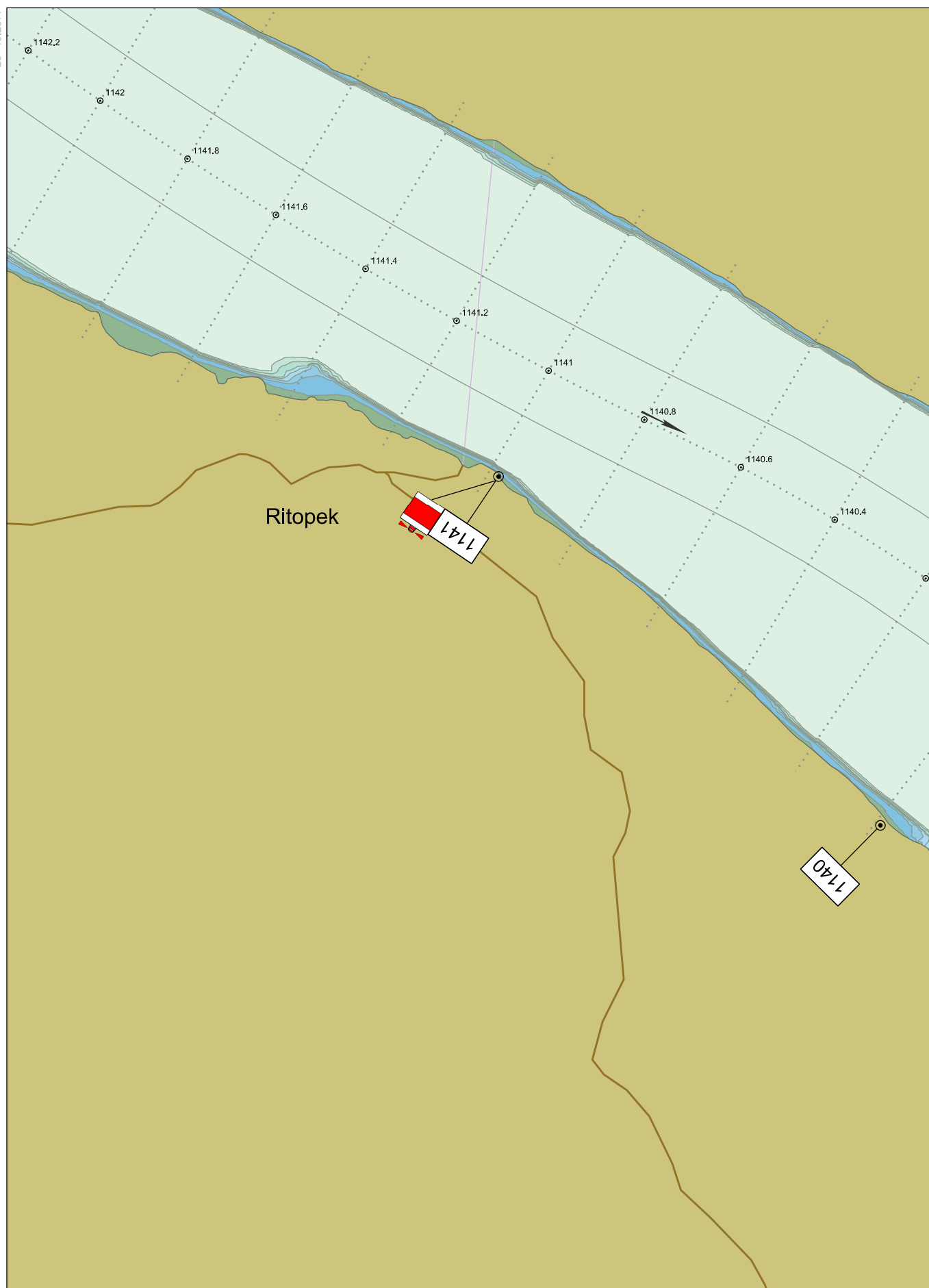
44° 45.7384'
20° 37.1469'





44° 43.4679'
20° 40.2377'

44° 44.8074'
20° 40.2301'



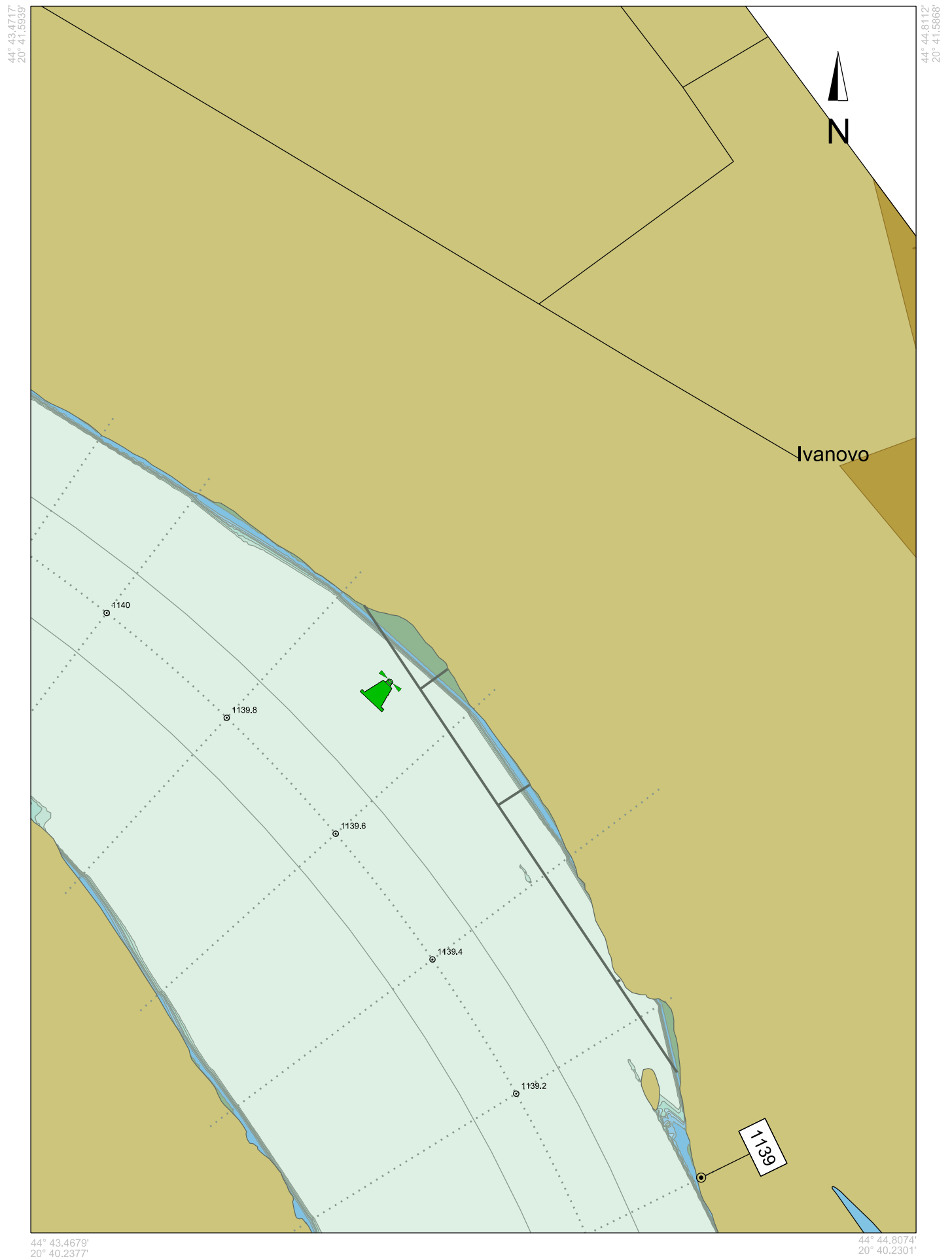
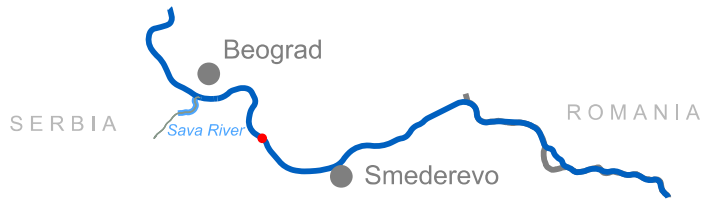
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44° 44.8034'
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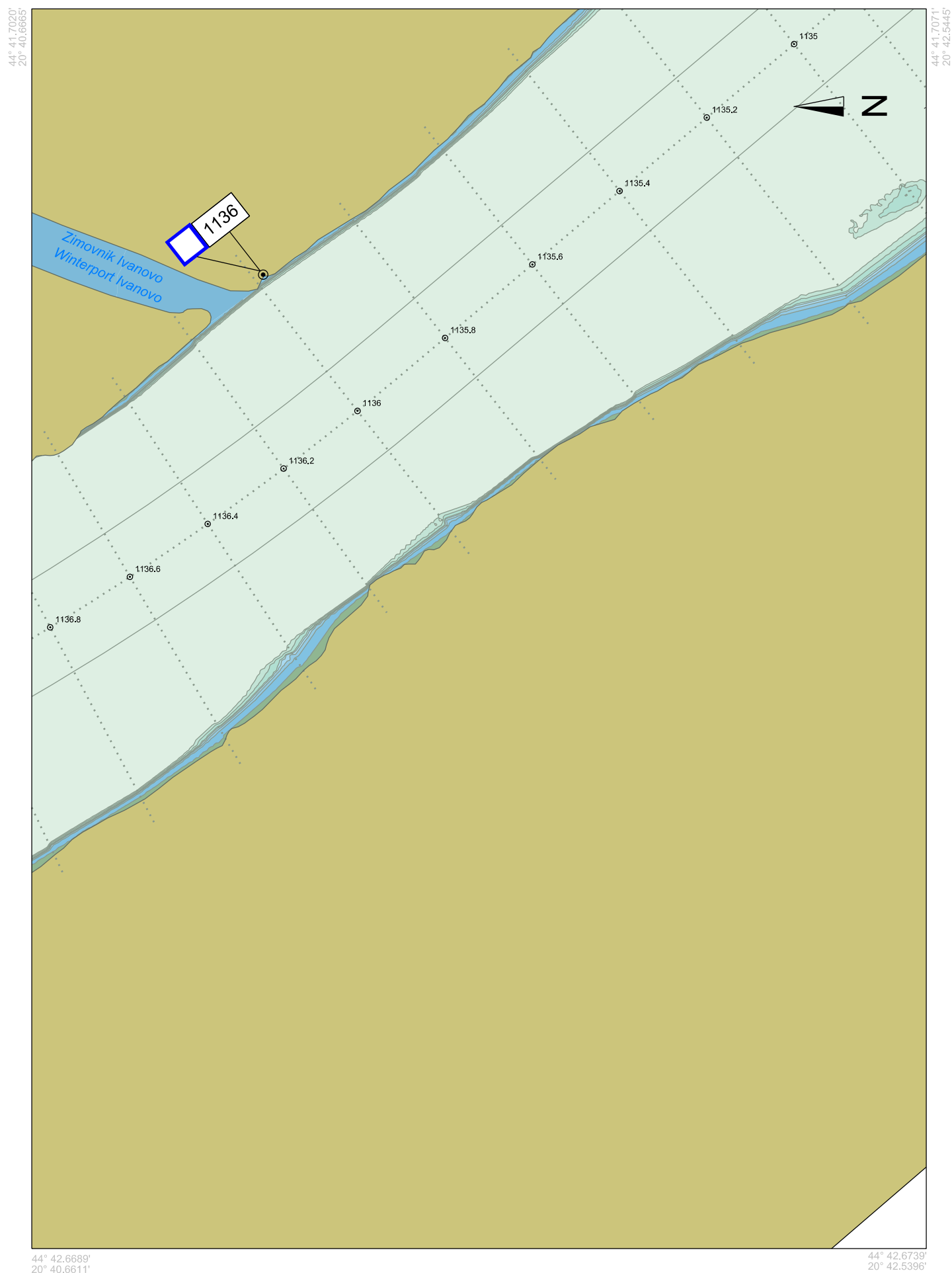
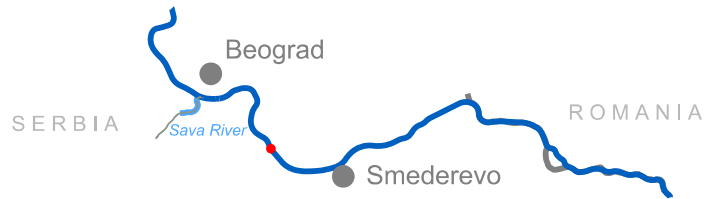


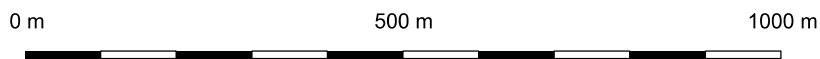
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44° 42.6689'
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44° 42.6739'
20° 42.5396'

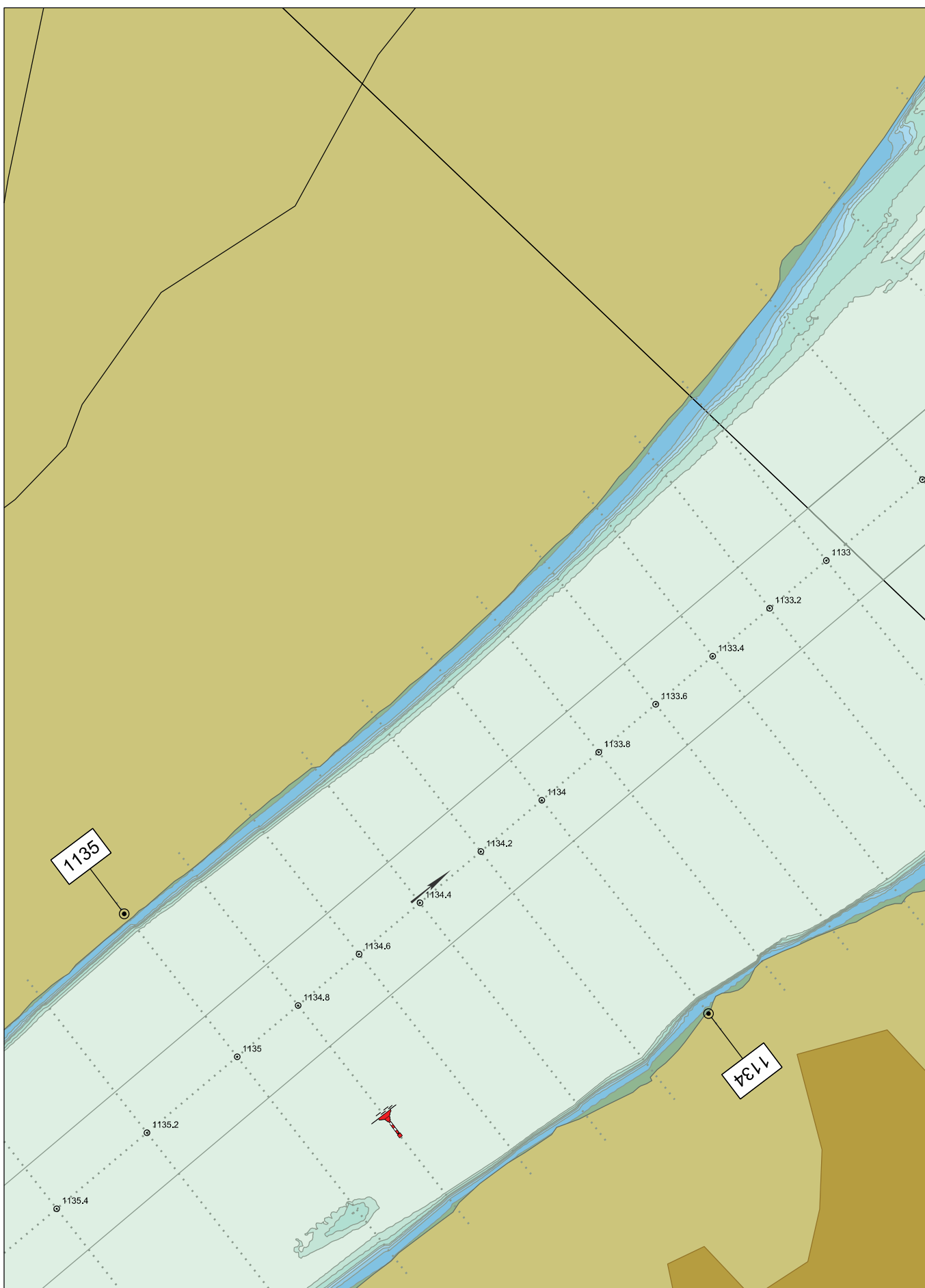






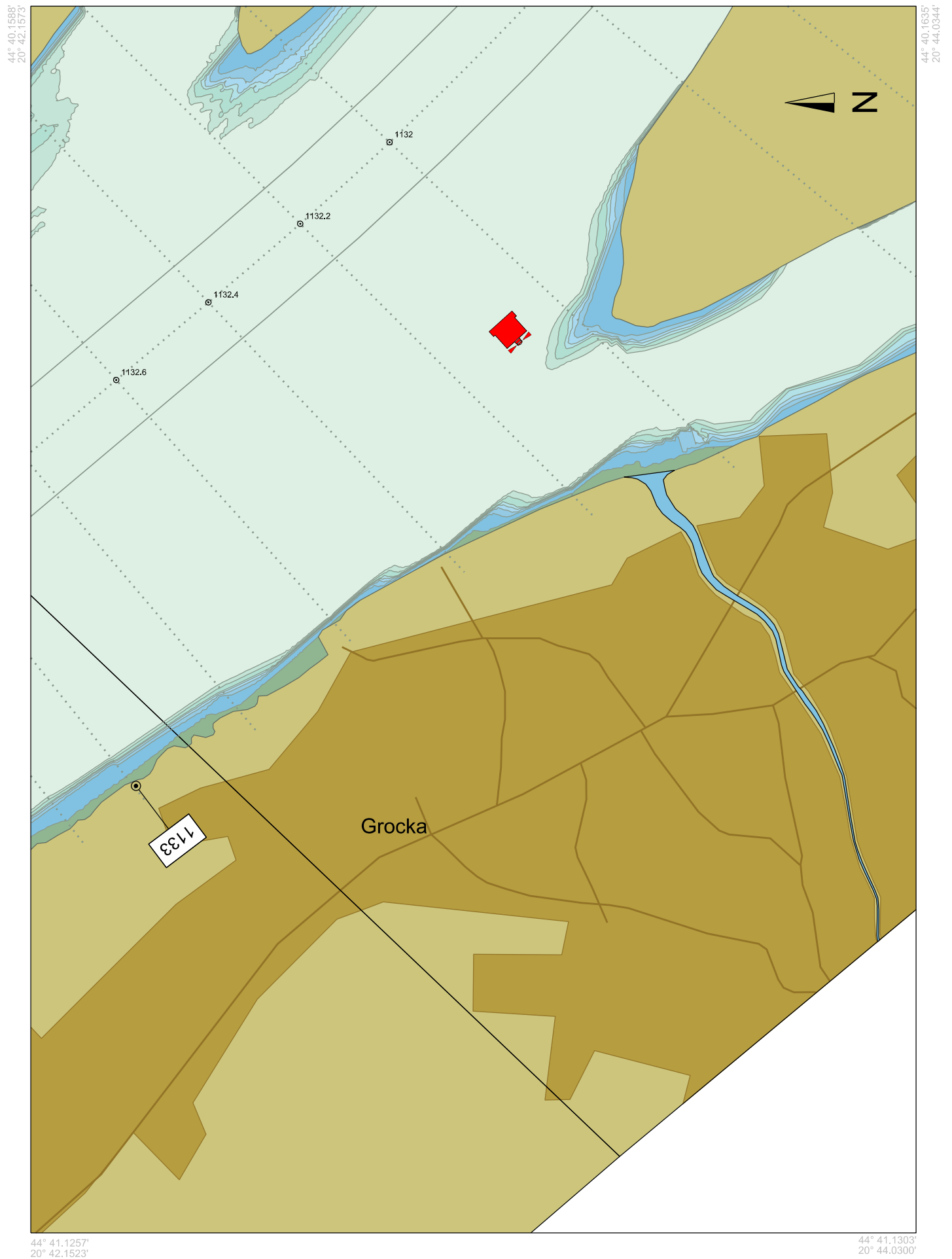
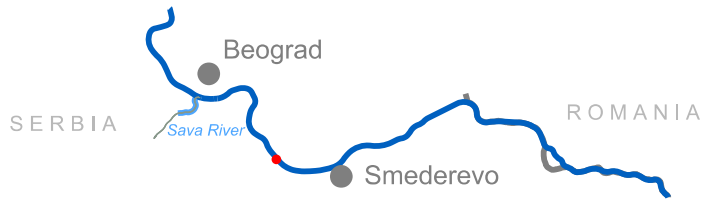
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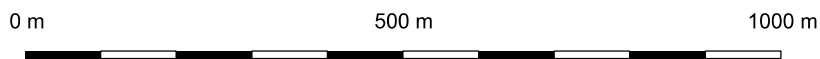
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20° 44.0300'



44° 42.0925'
20° 42.1474'

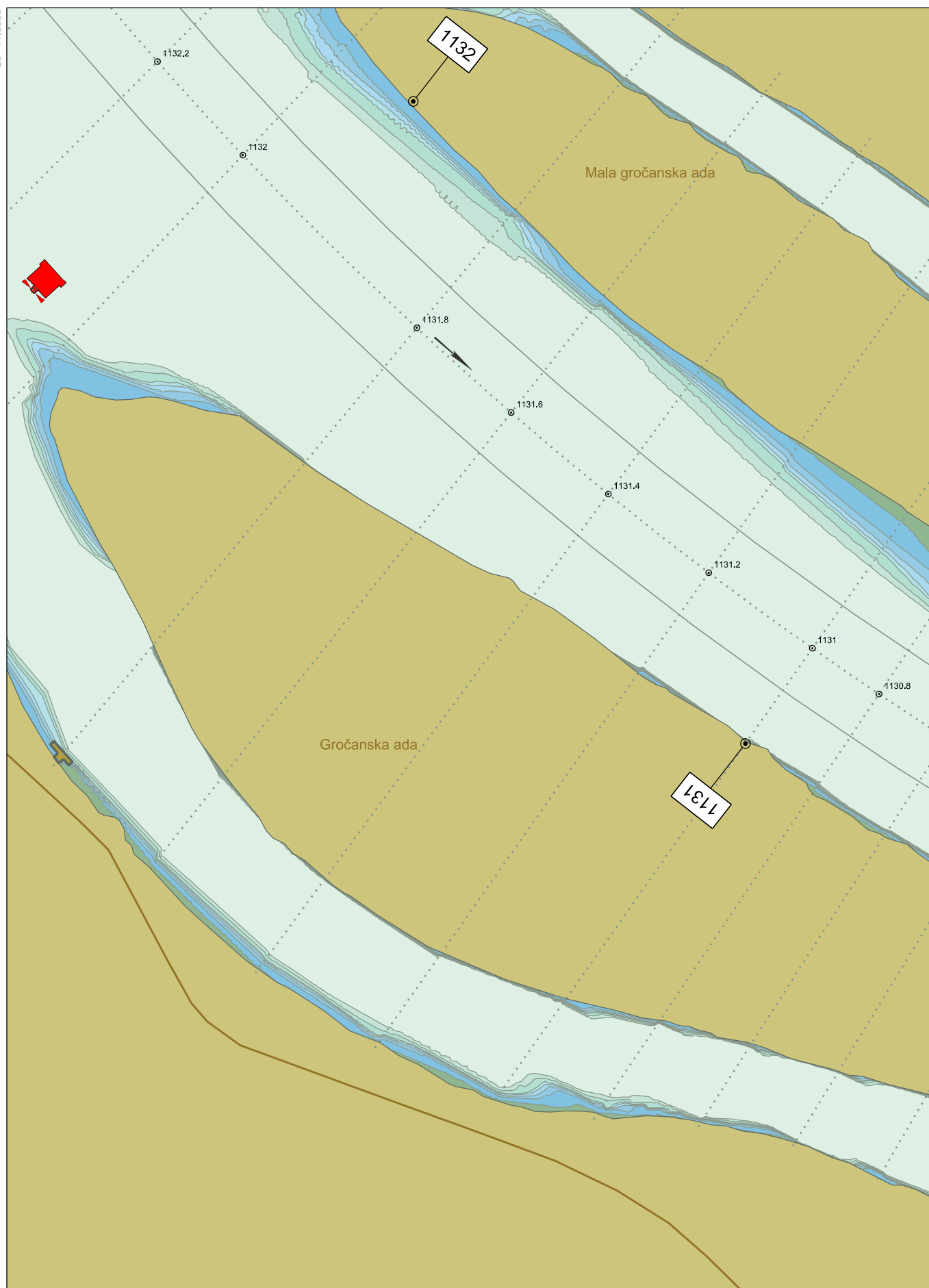
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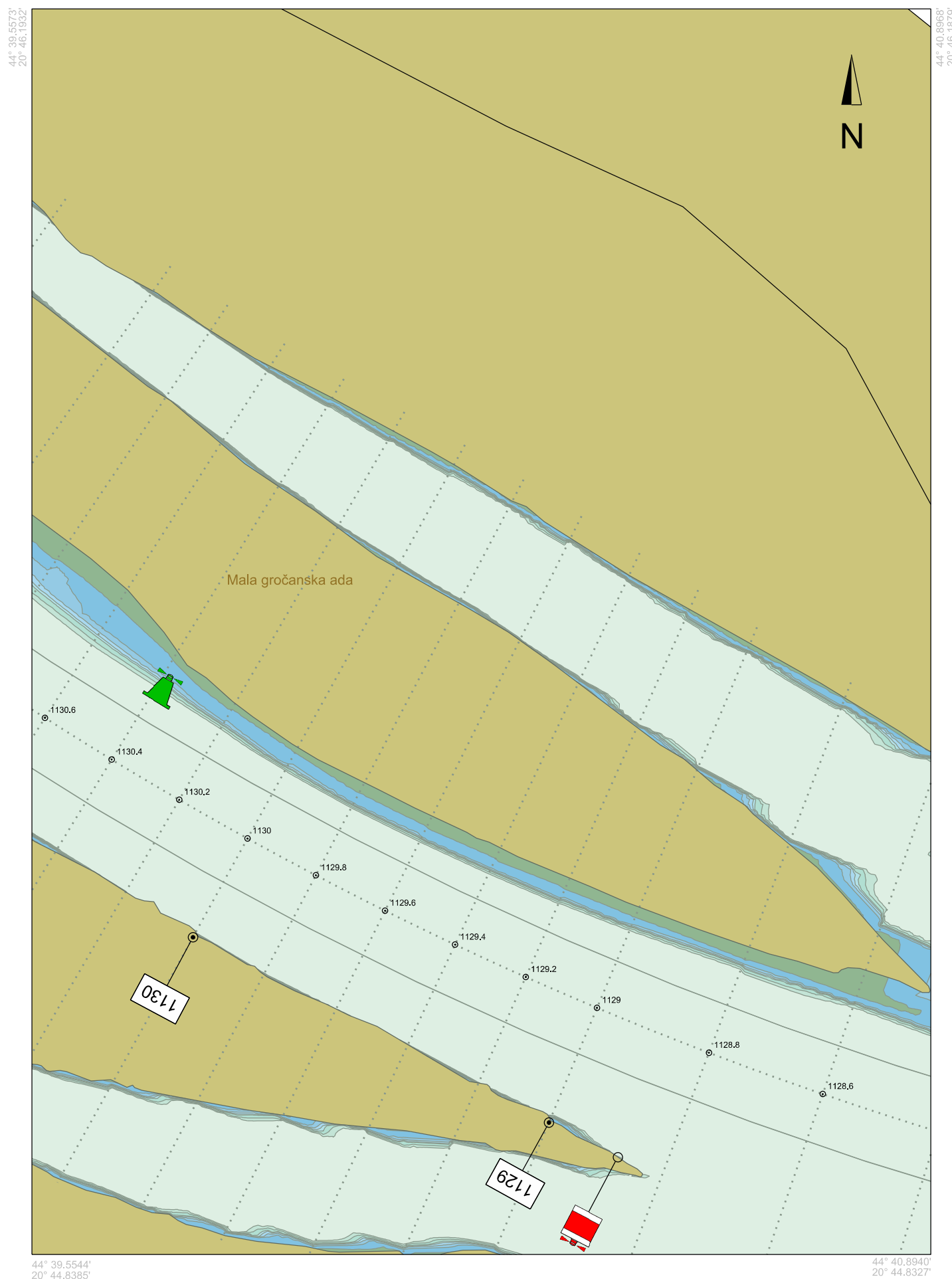
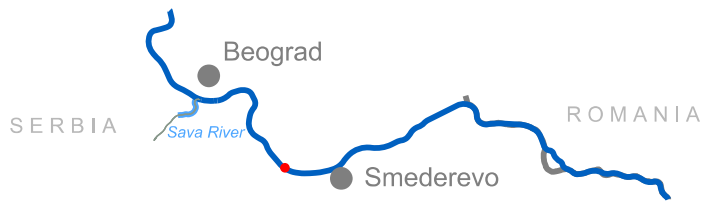
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44° 40.8940'
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44° 39.5513'
20° 43.4839'

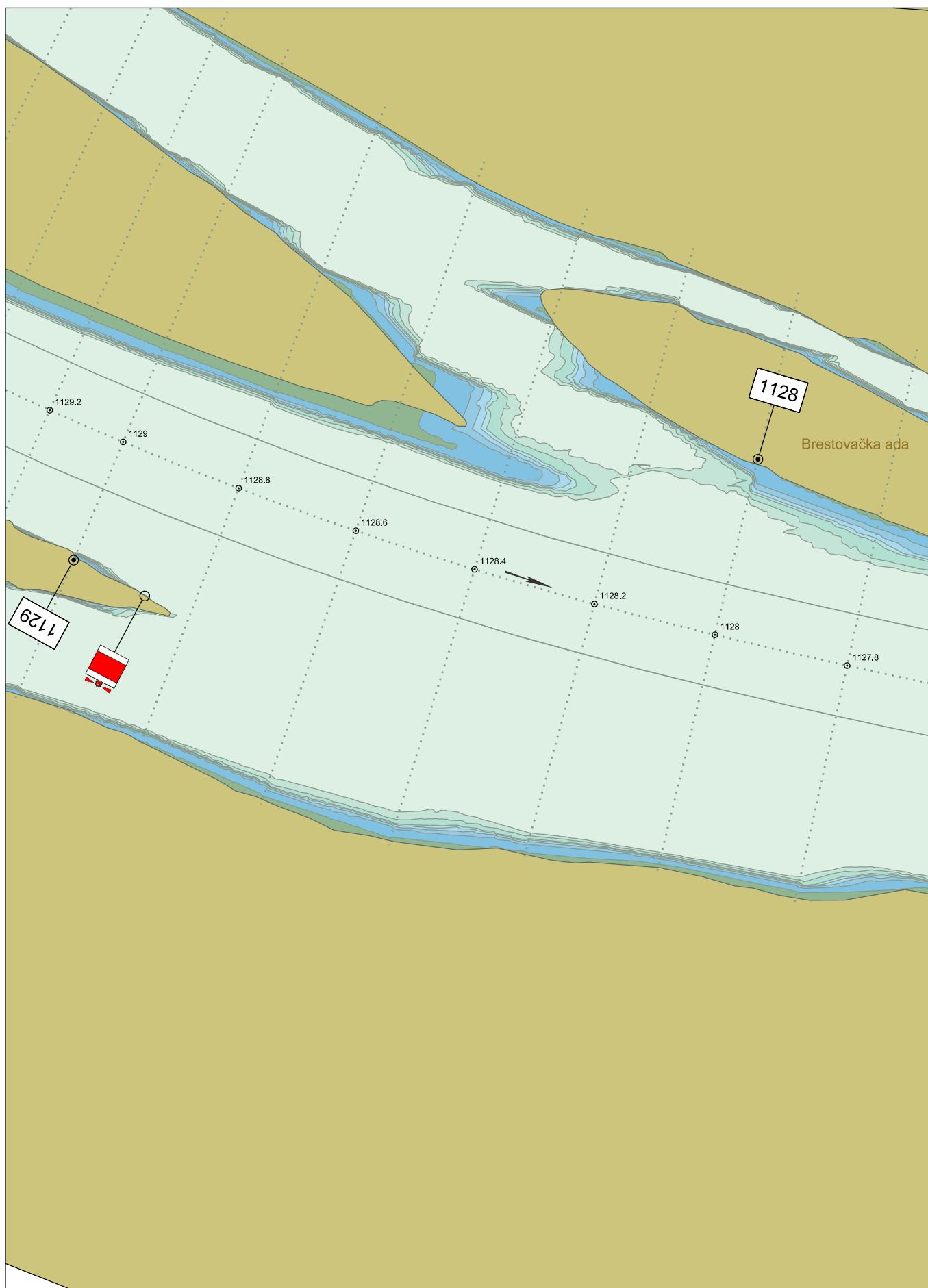
44° 40.8908'
20° 43.4775'



0 m 500 m 1000 m

44° 38.9373'
20° 46.8752'

44° 40.2769'
20° 46.8702'



44° 38.9346'
20° 45.5208'

44° 40.2741'
20° 45.5152'

SERBIA

Beograd

Sava River

ROMANIA

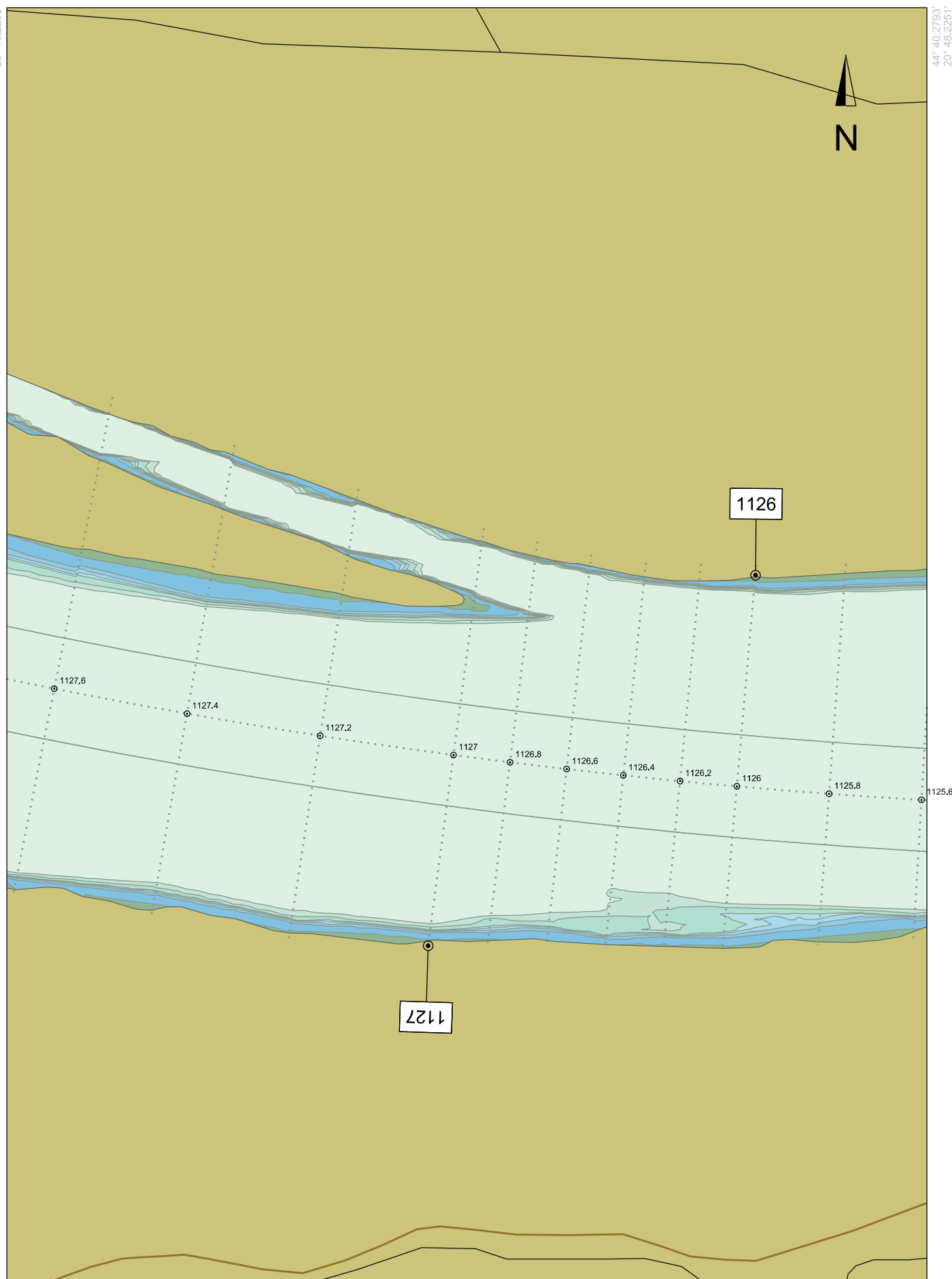
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Page 89

km 1129.2 - 1125.6

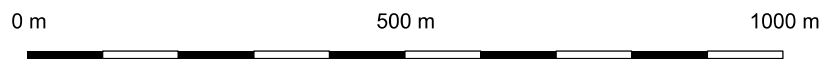
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44° 40.2793'
20° 48.2251'



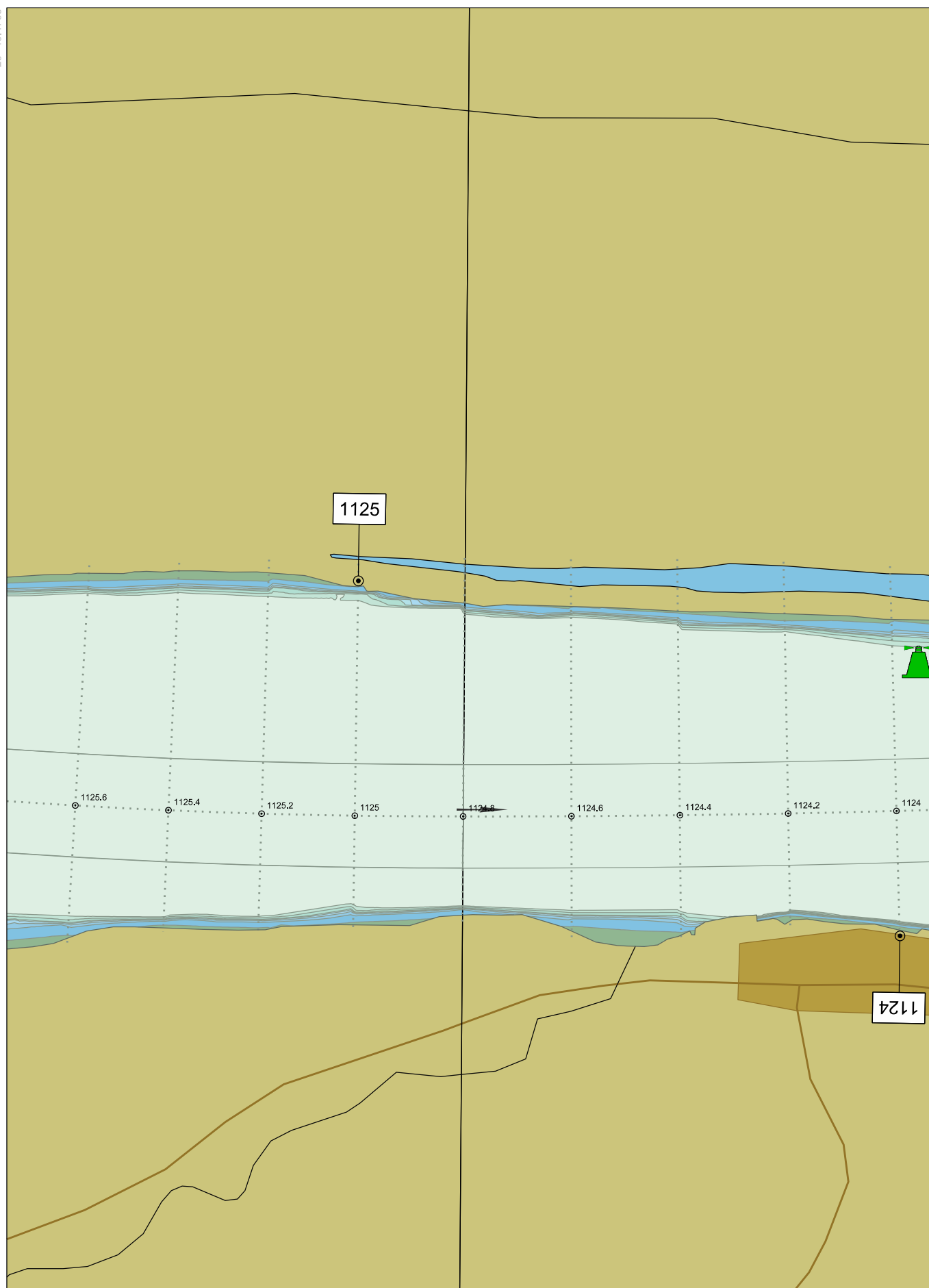
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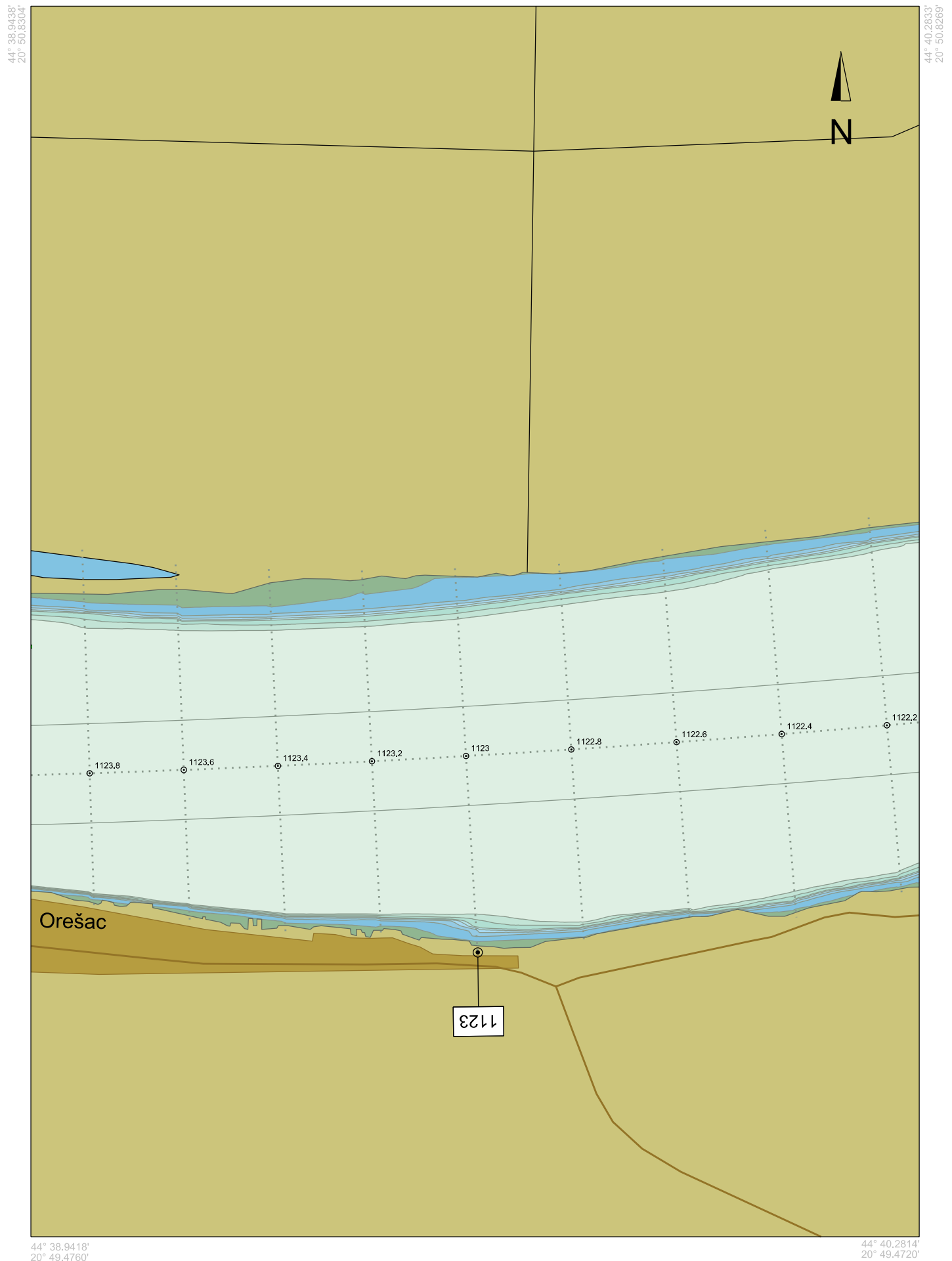
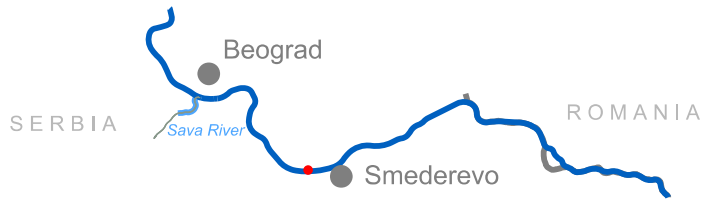
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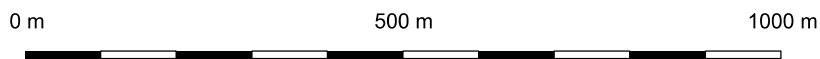
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44° 38.9396'
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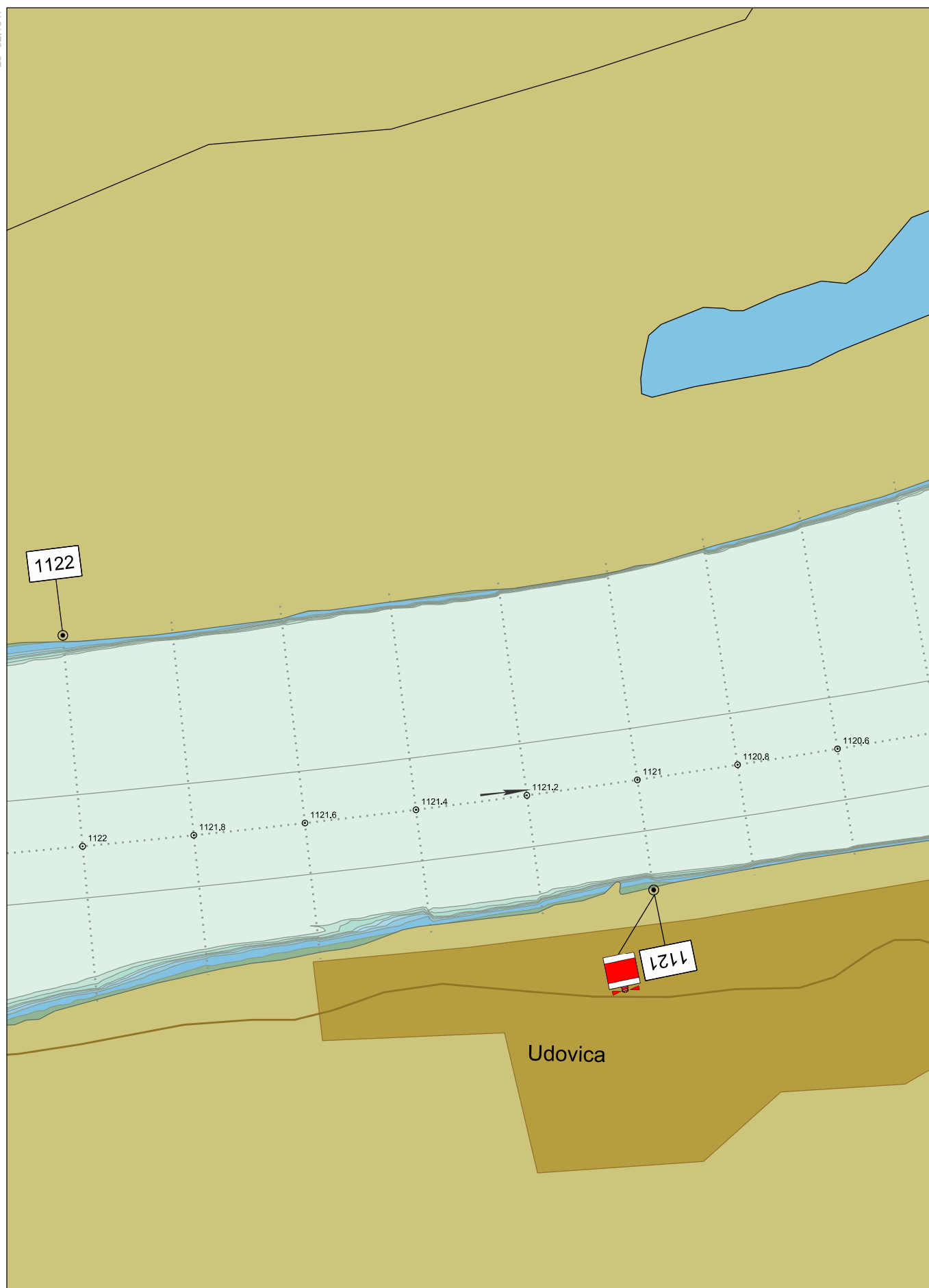
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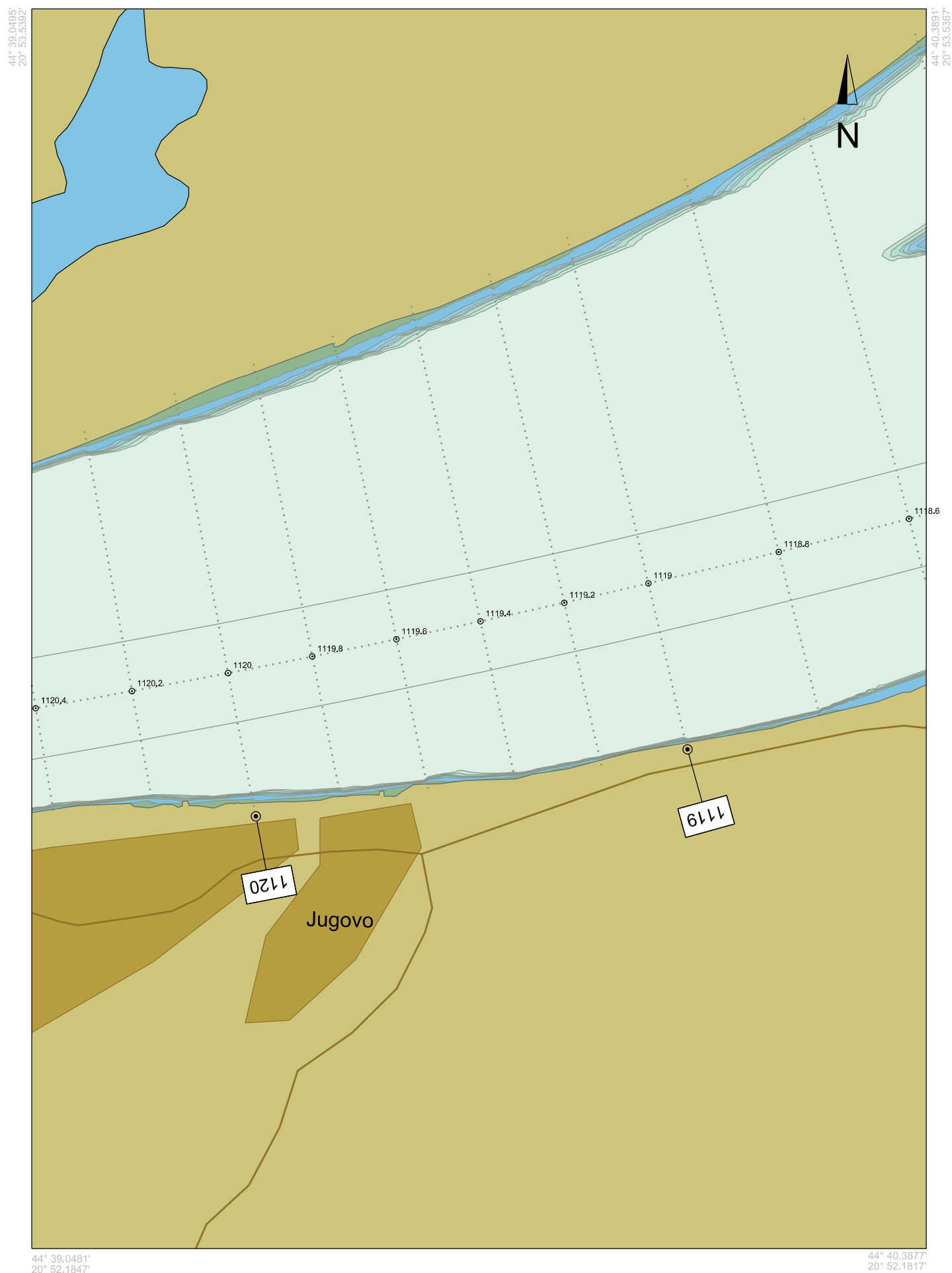
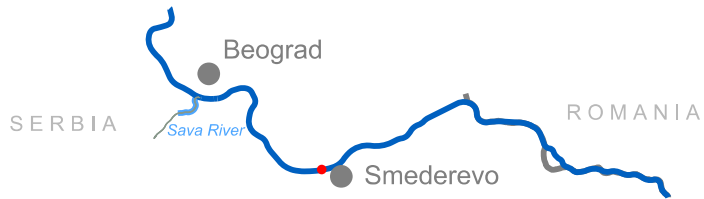
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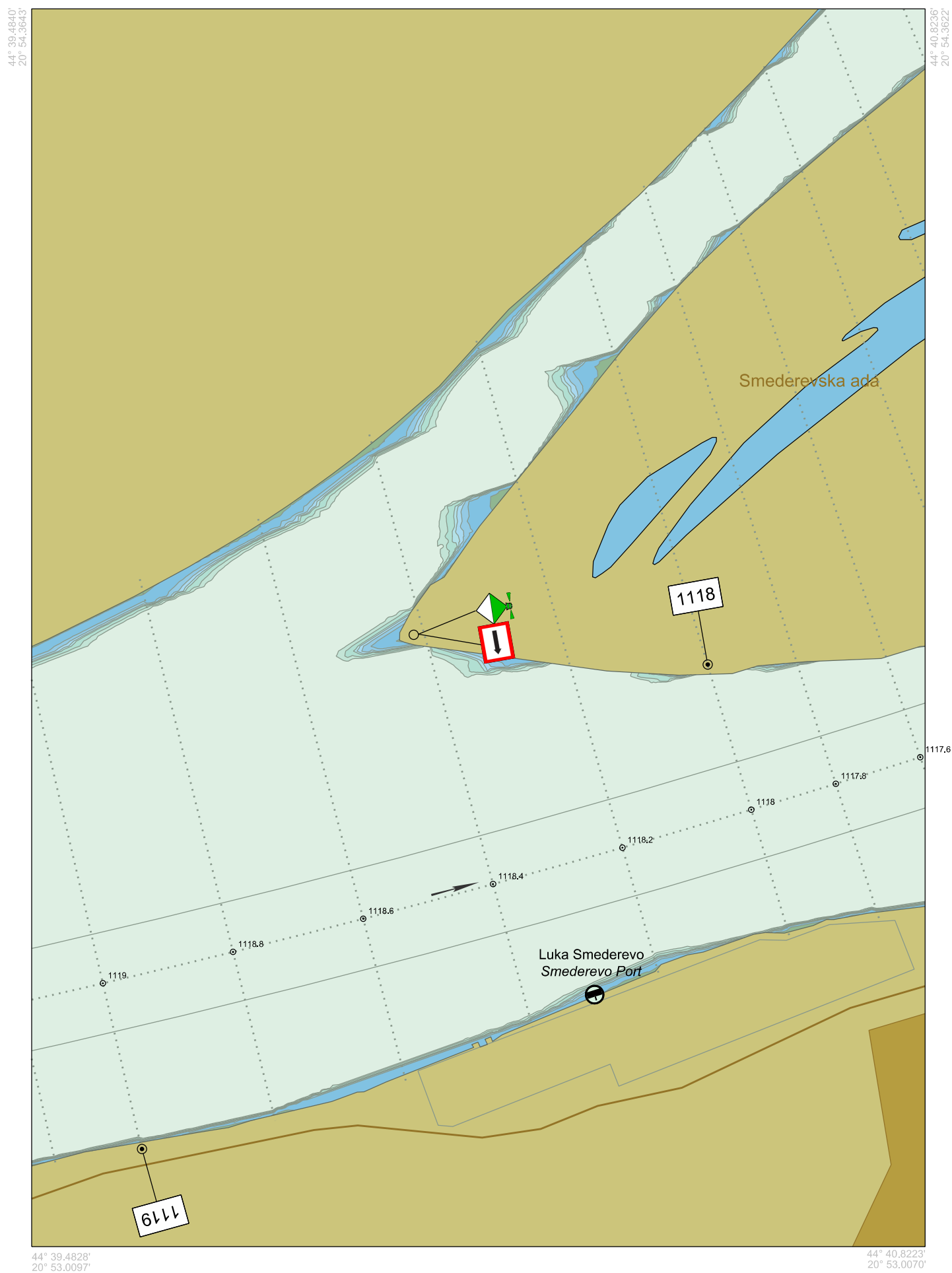
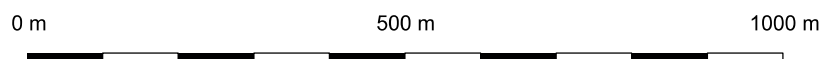
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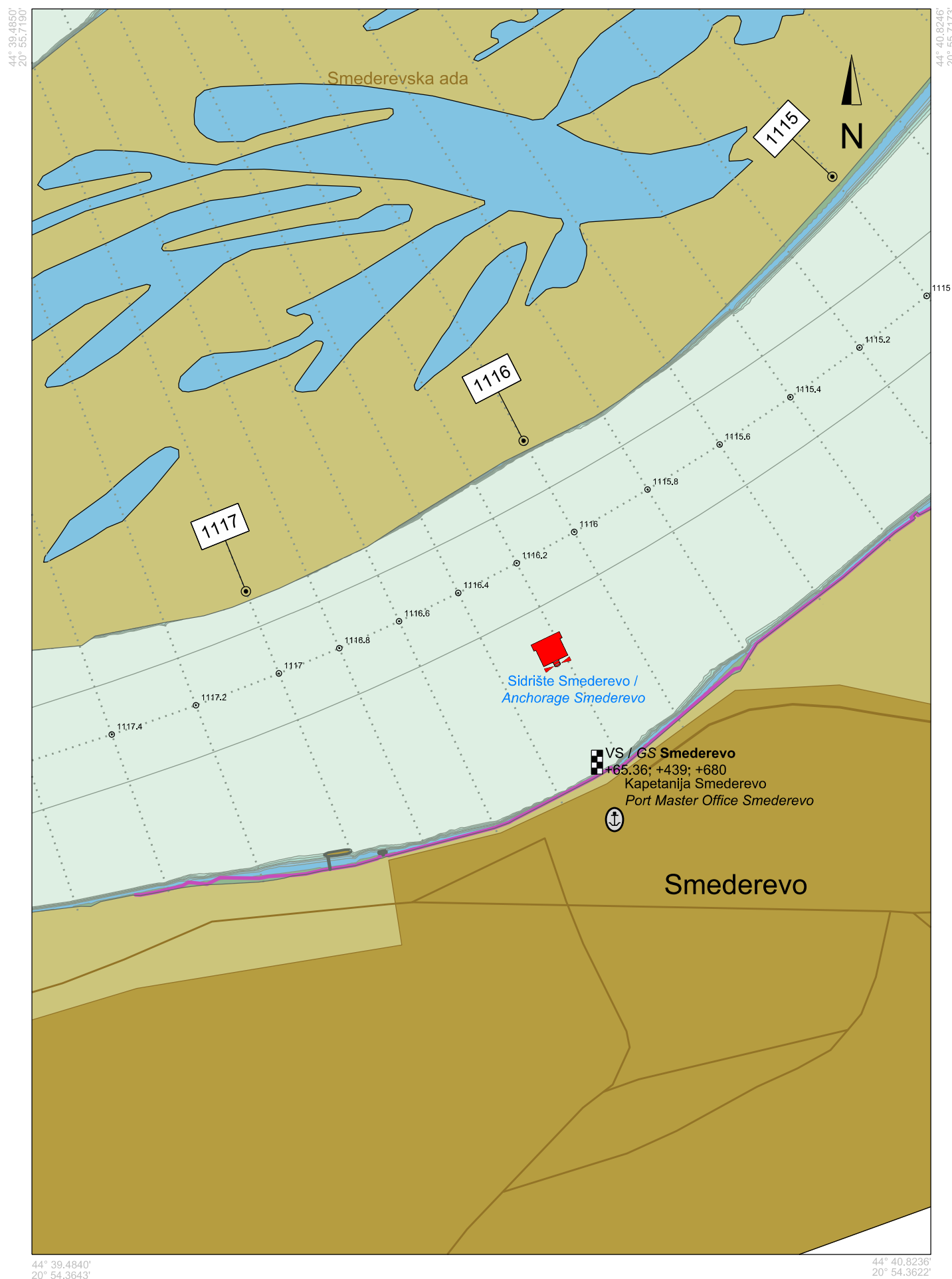
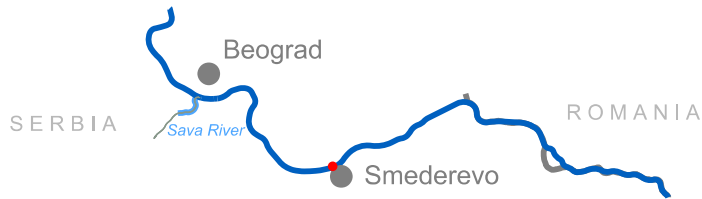


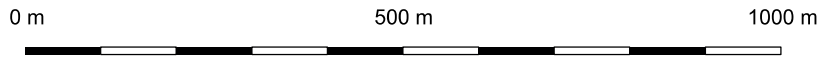
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44° 40.3860'
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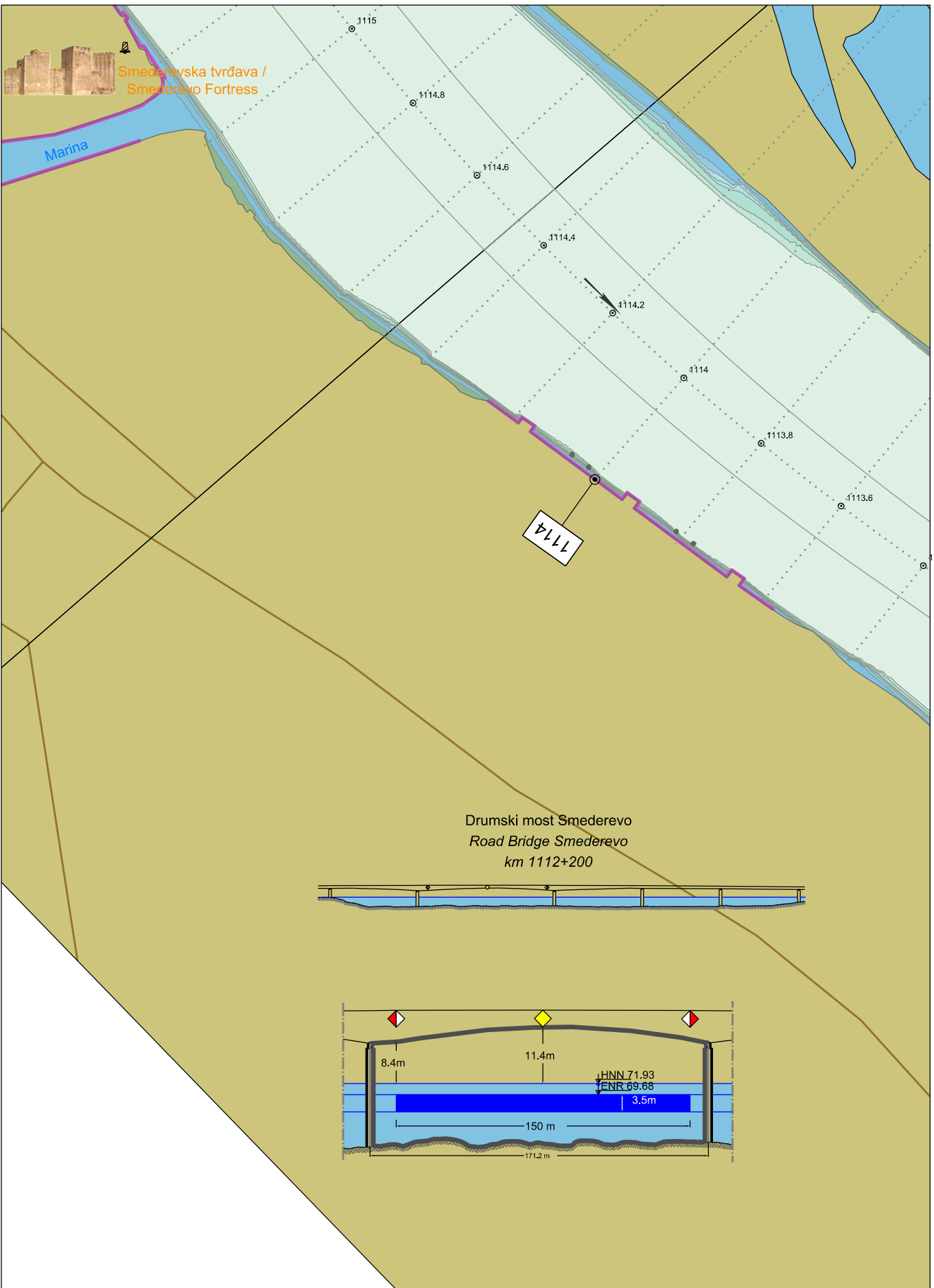








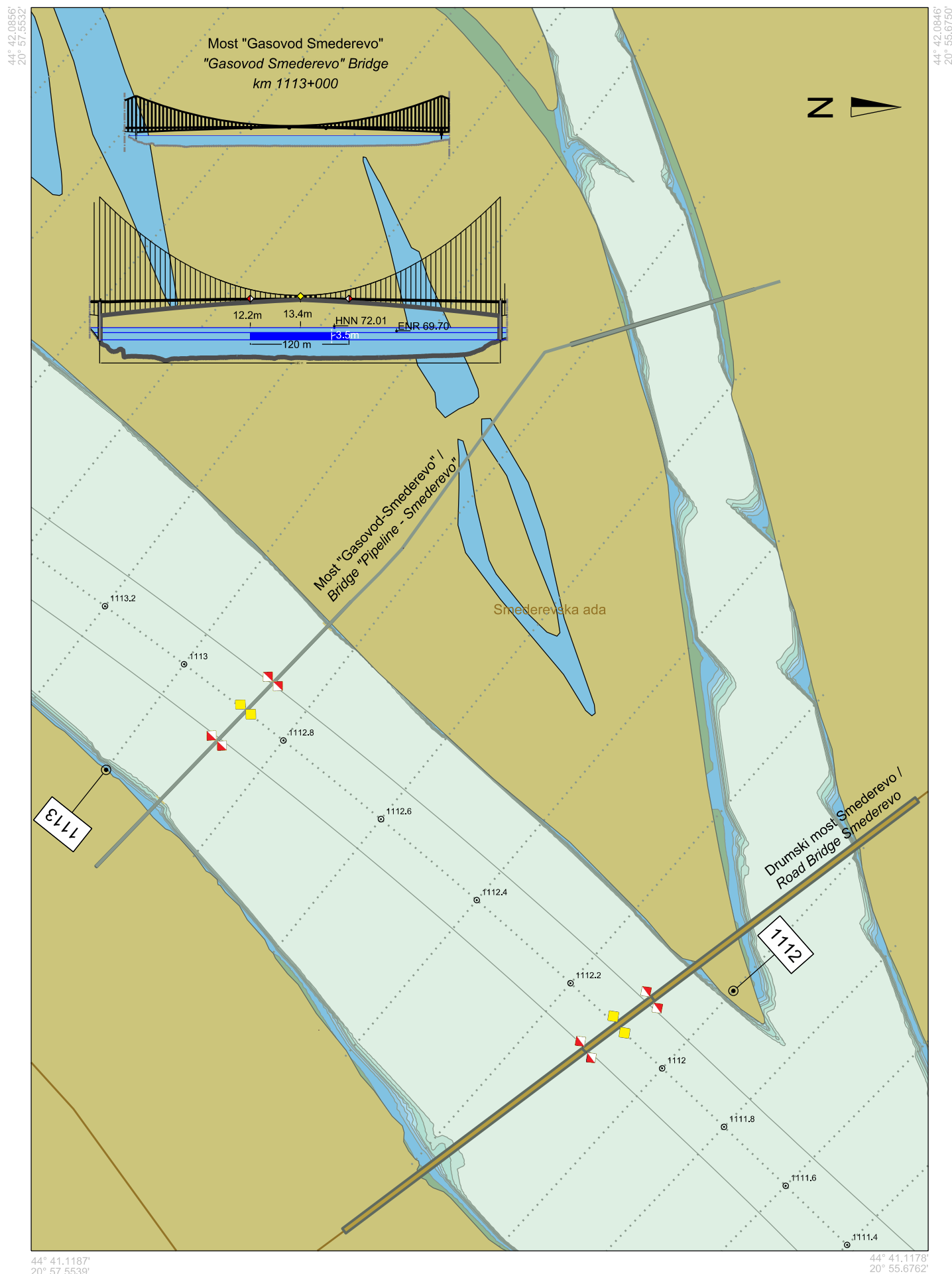
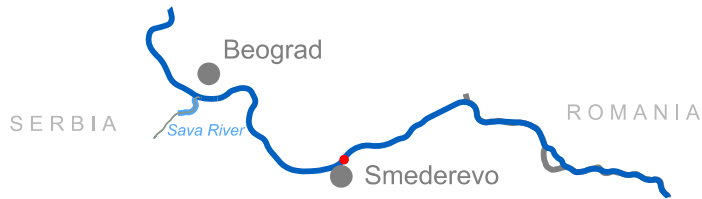
44° 41' 11.87"
20° 57' 55.39"

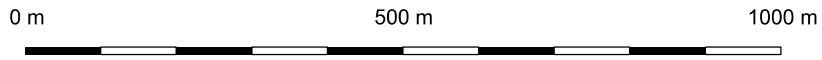


44° 41' 11.78"
20° 55' 6.62"

44° 40' 15.18"
20° 57' 55.46"

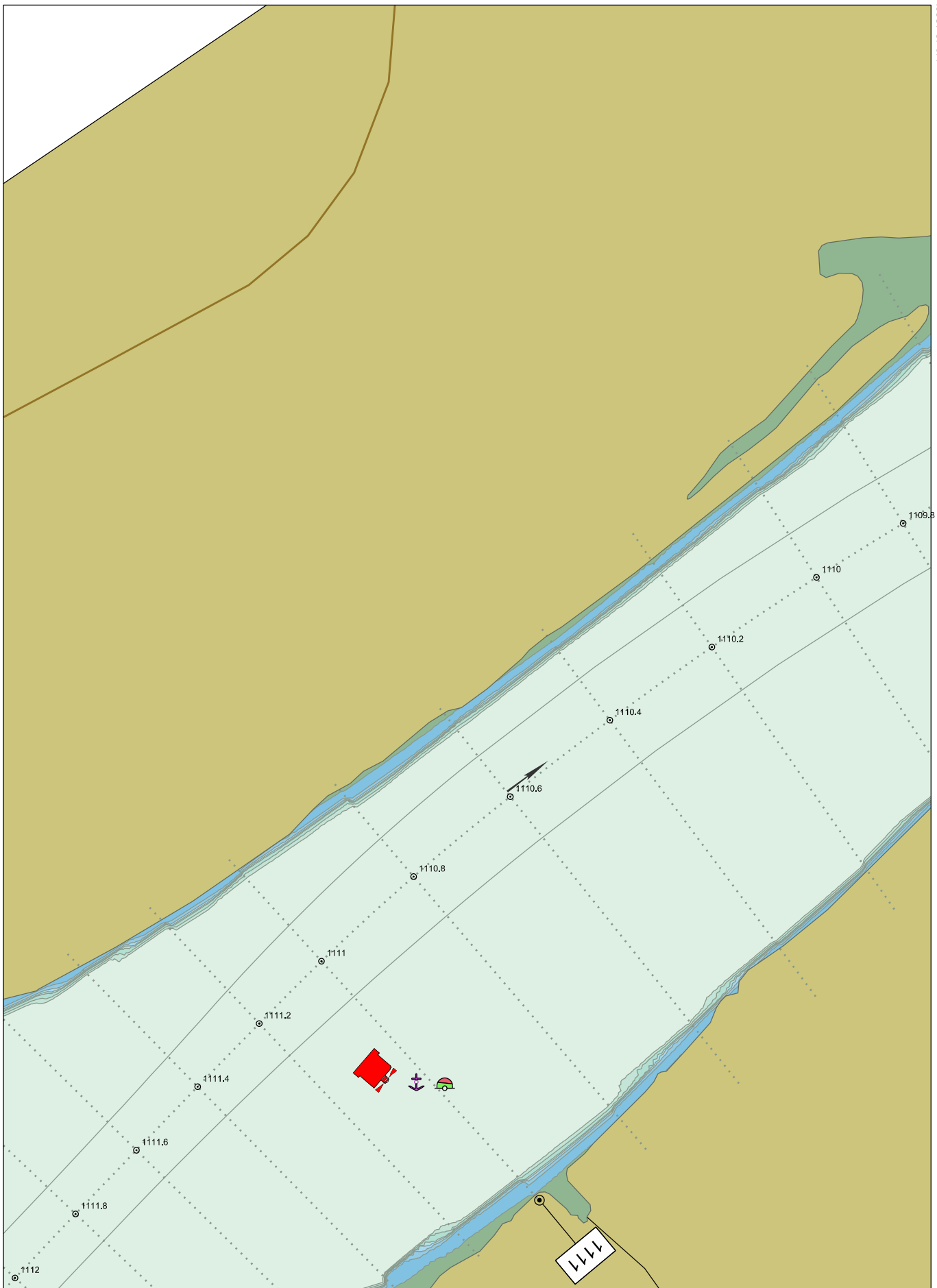
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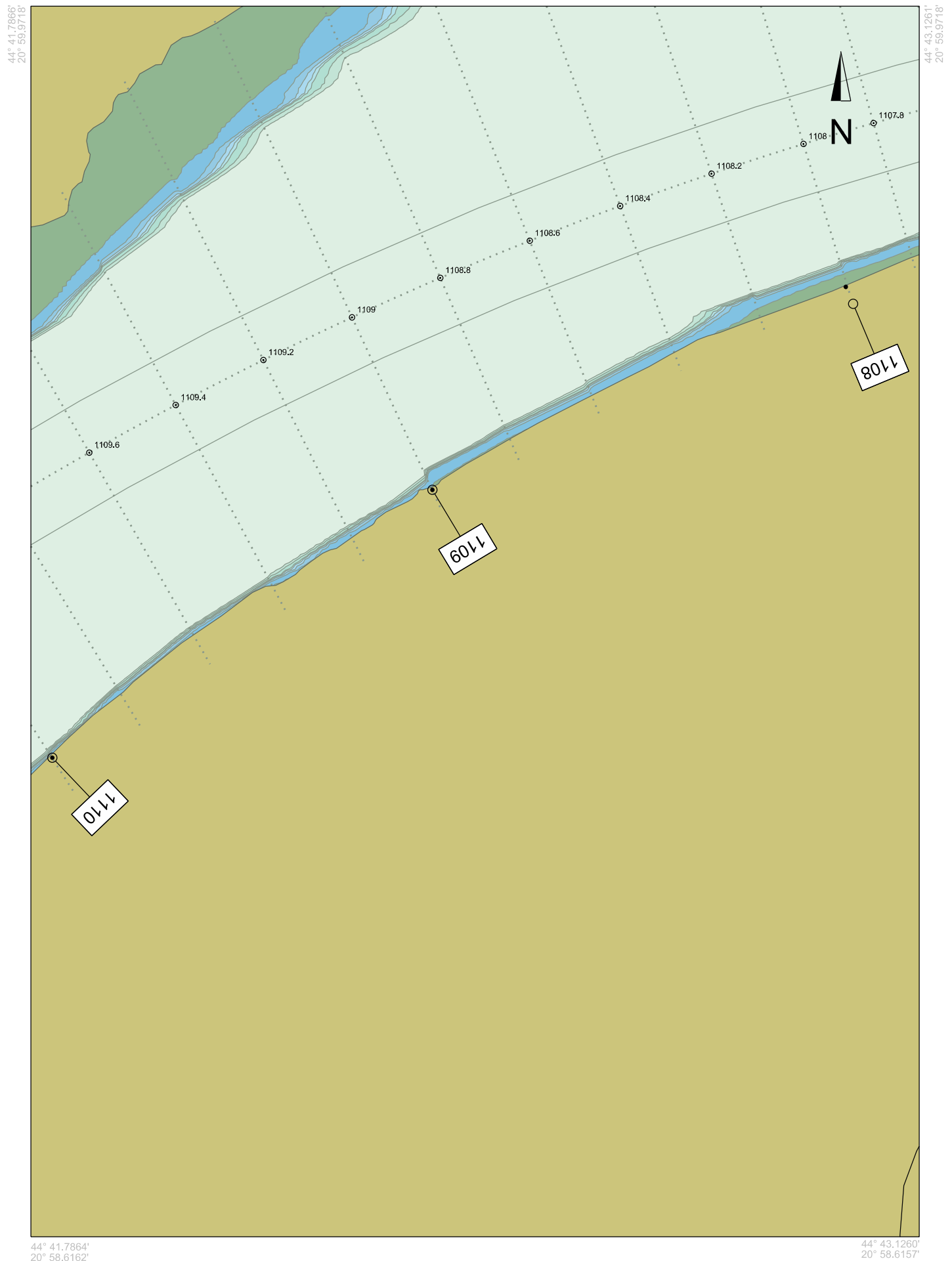
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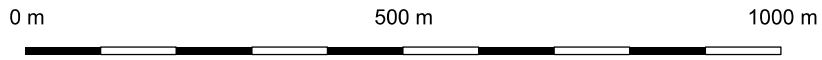
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20° 58.6157'



44° 41.7860'
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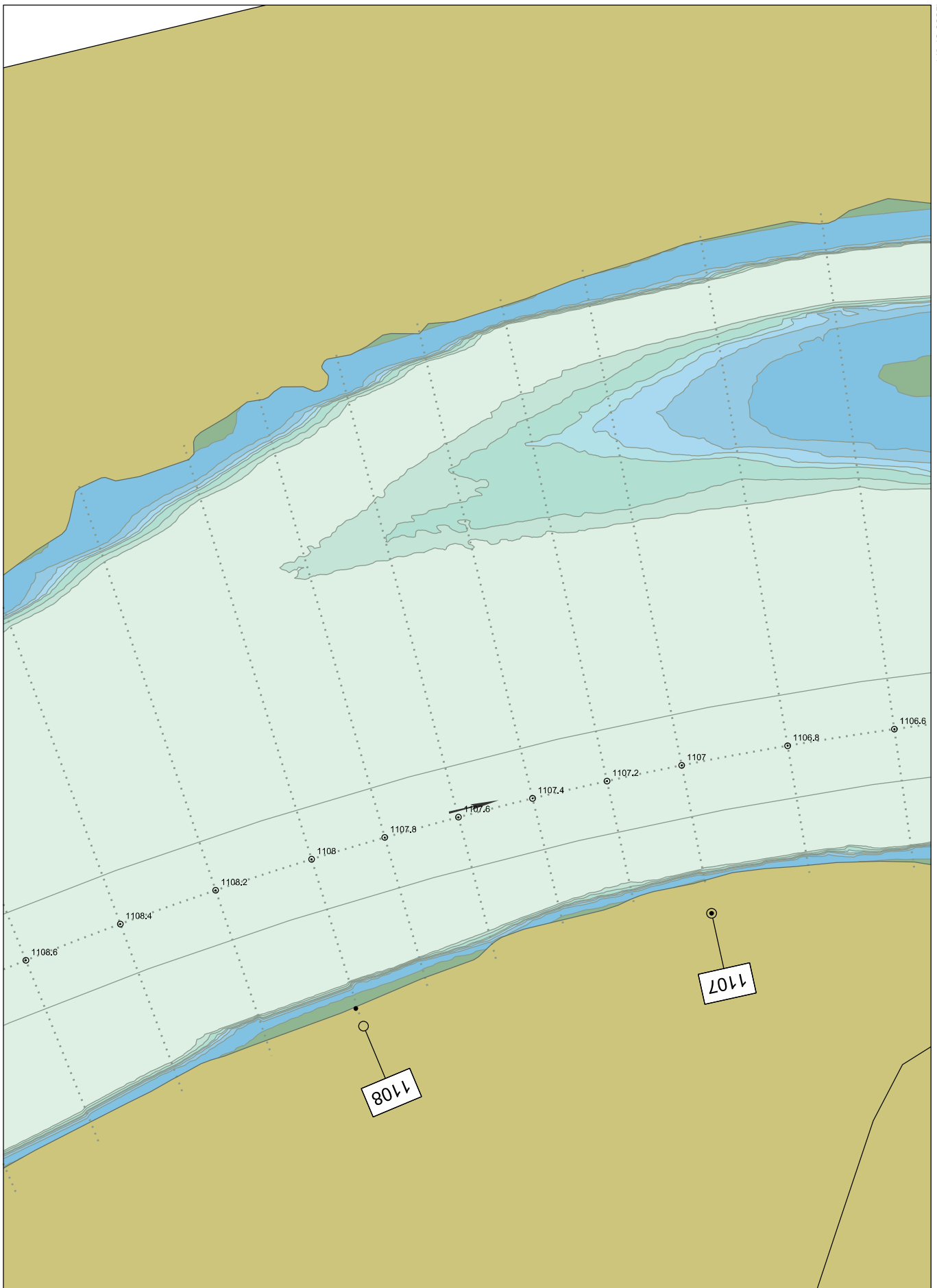
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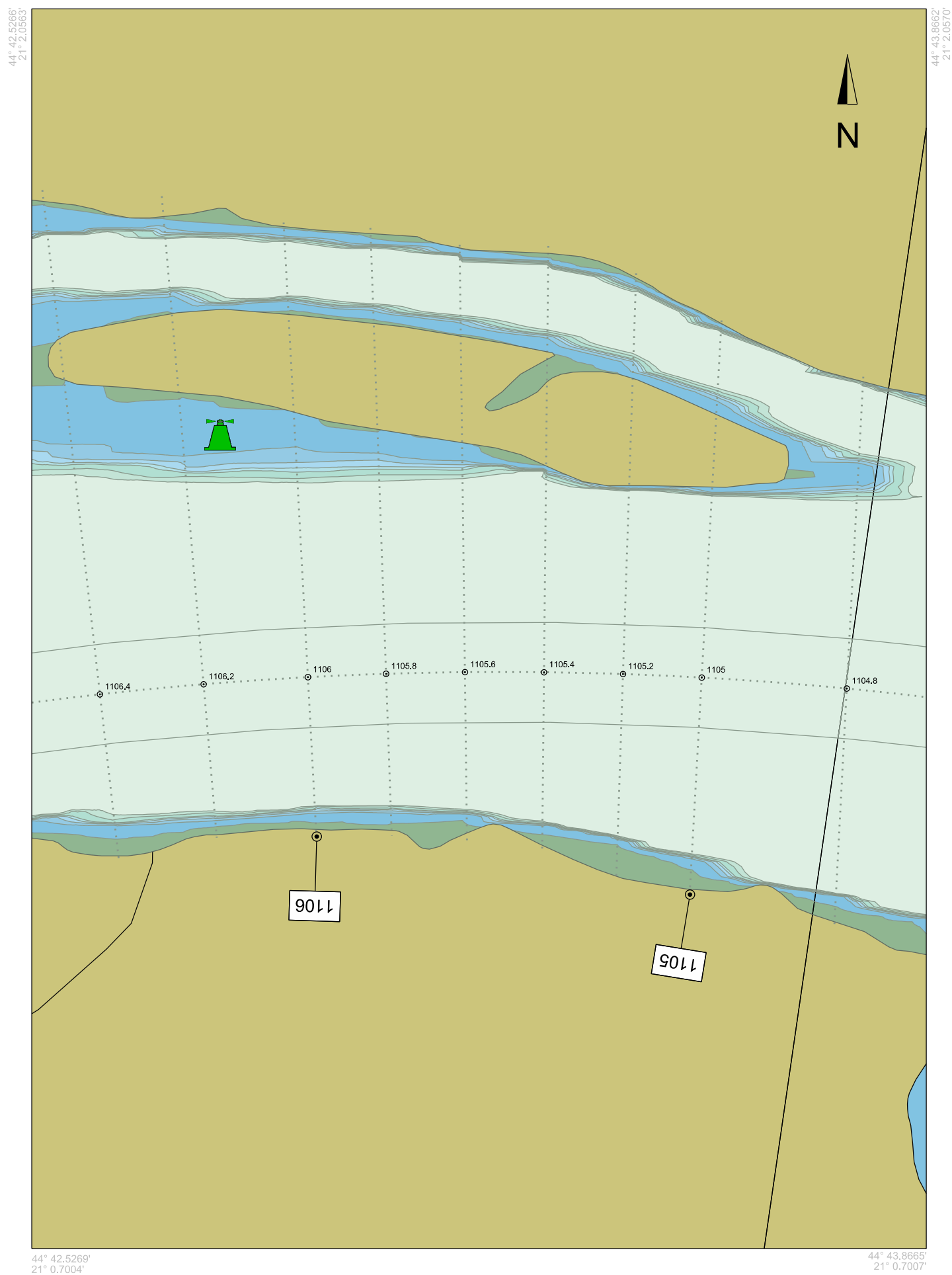
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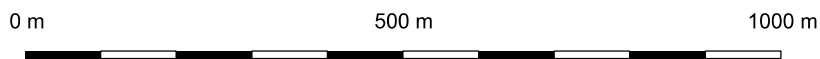
44° 43.8665'
21° 0.7007'



44° 42.5269'
20° 59.3446'

44° 43.8665'
20° 59.3443'





44° 42.4201'
21° 3.4117'

44° 43.7596'
21° 3.4131'

1104



1104.6

1104.4

1104.2

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1103.8

1103.6

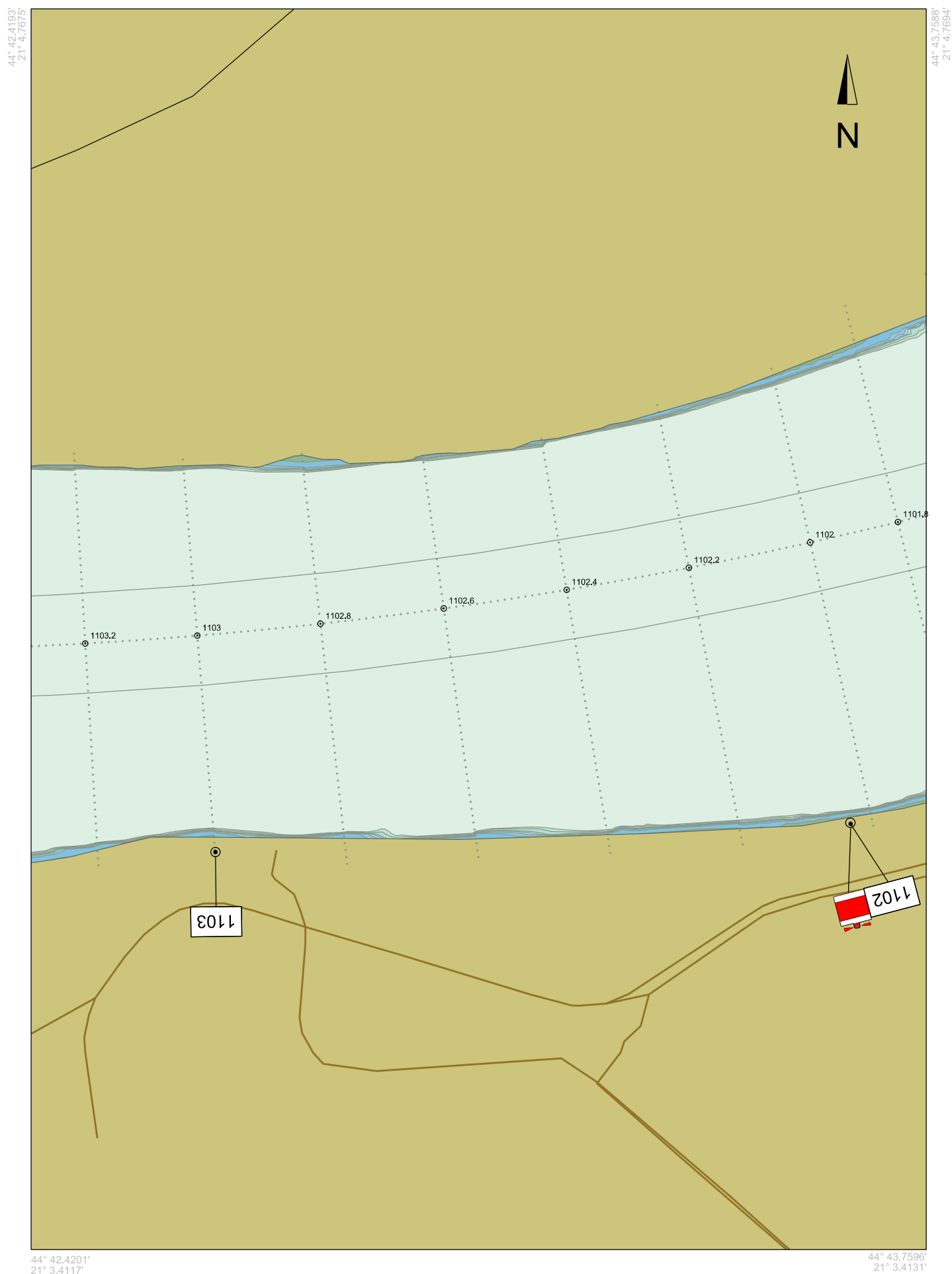
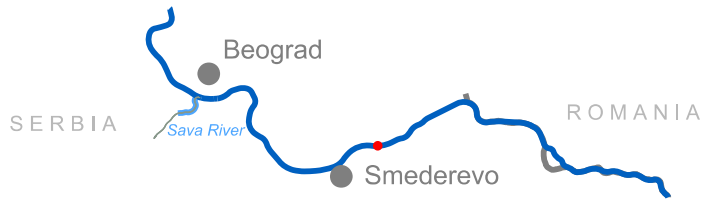
1103.4



Velika Morava

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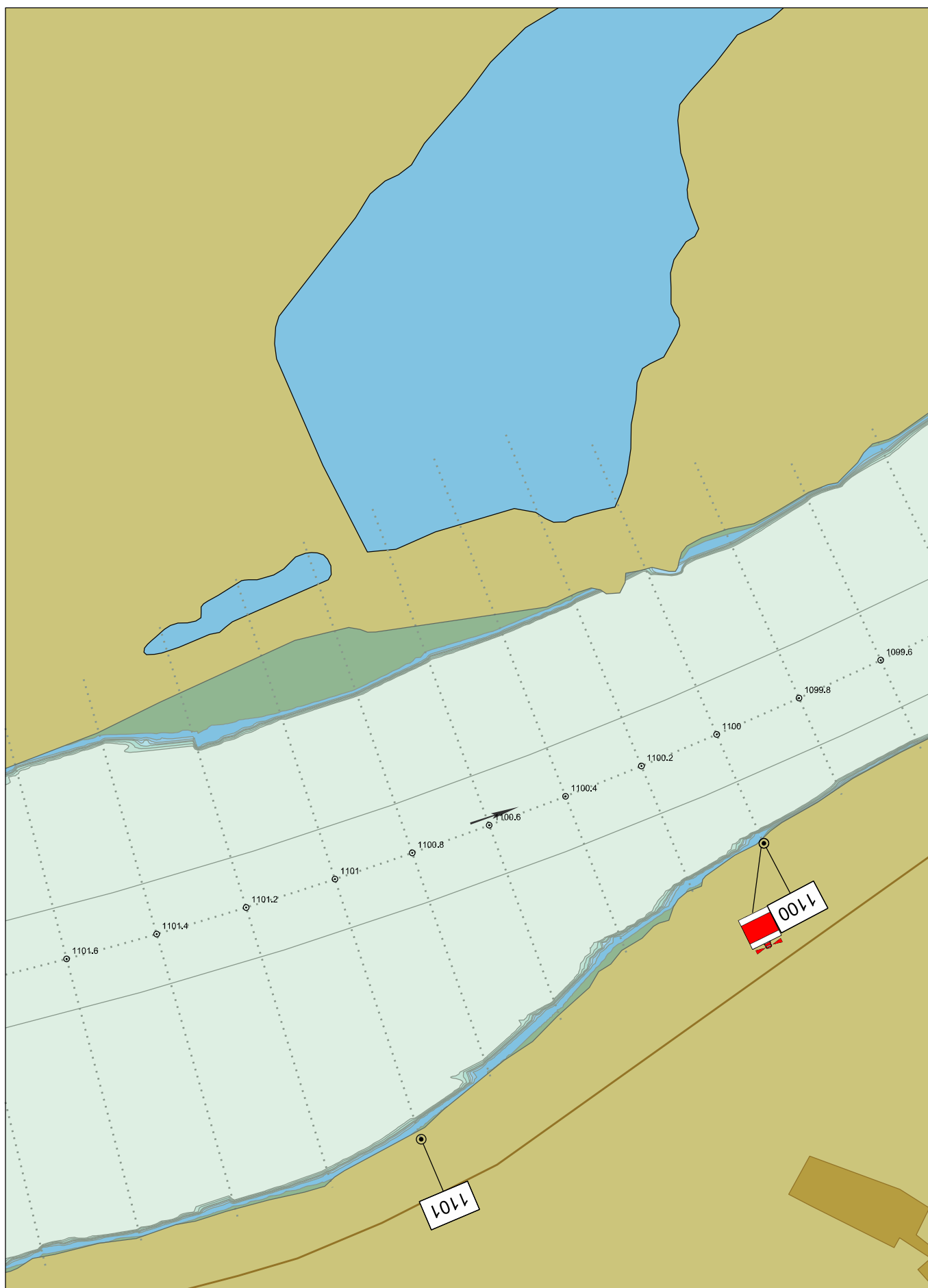
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0 m 500 m 1000 m

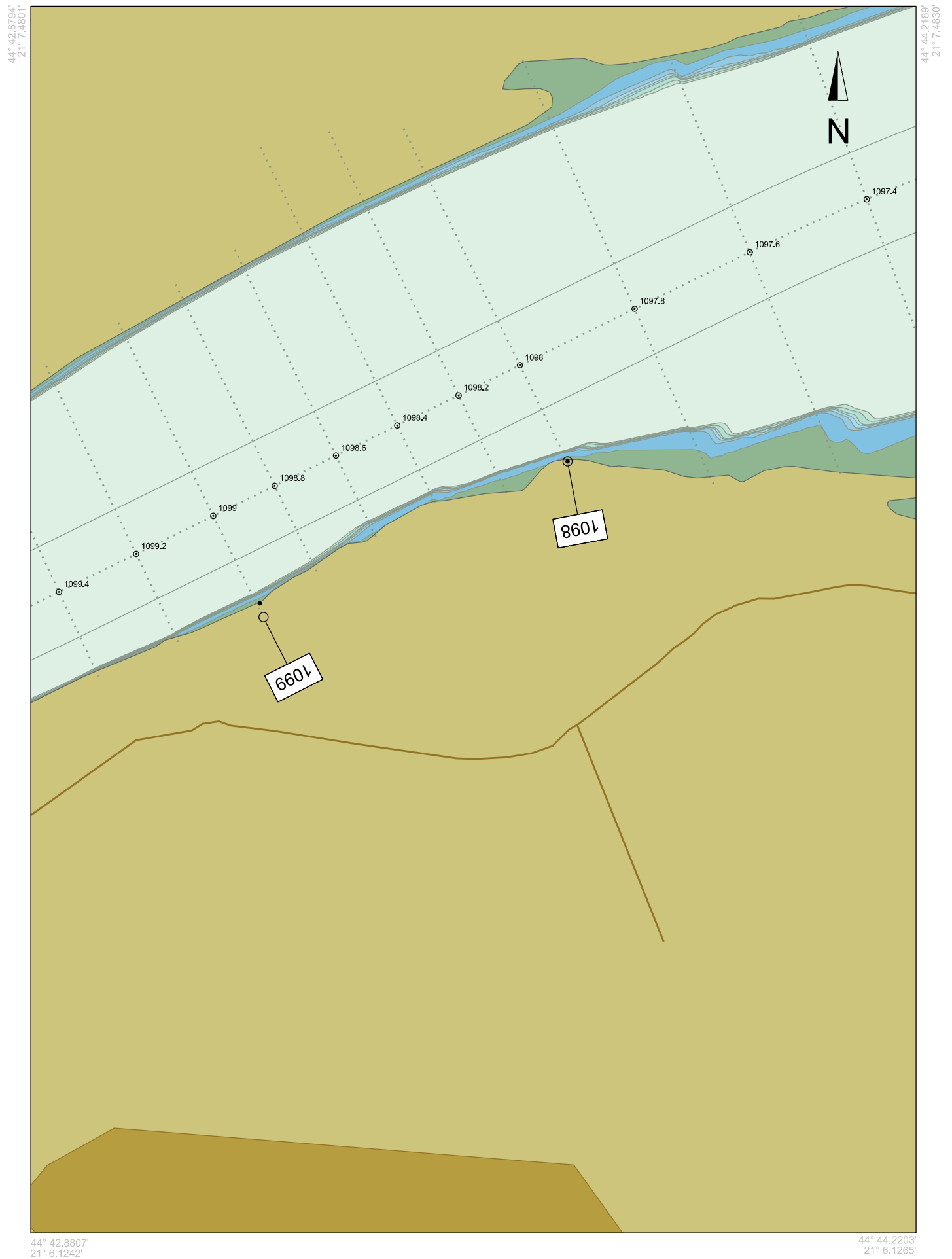
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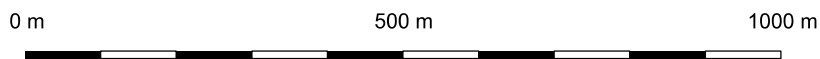
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44° 42.8818'
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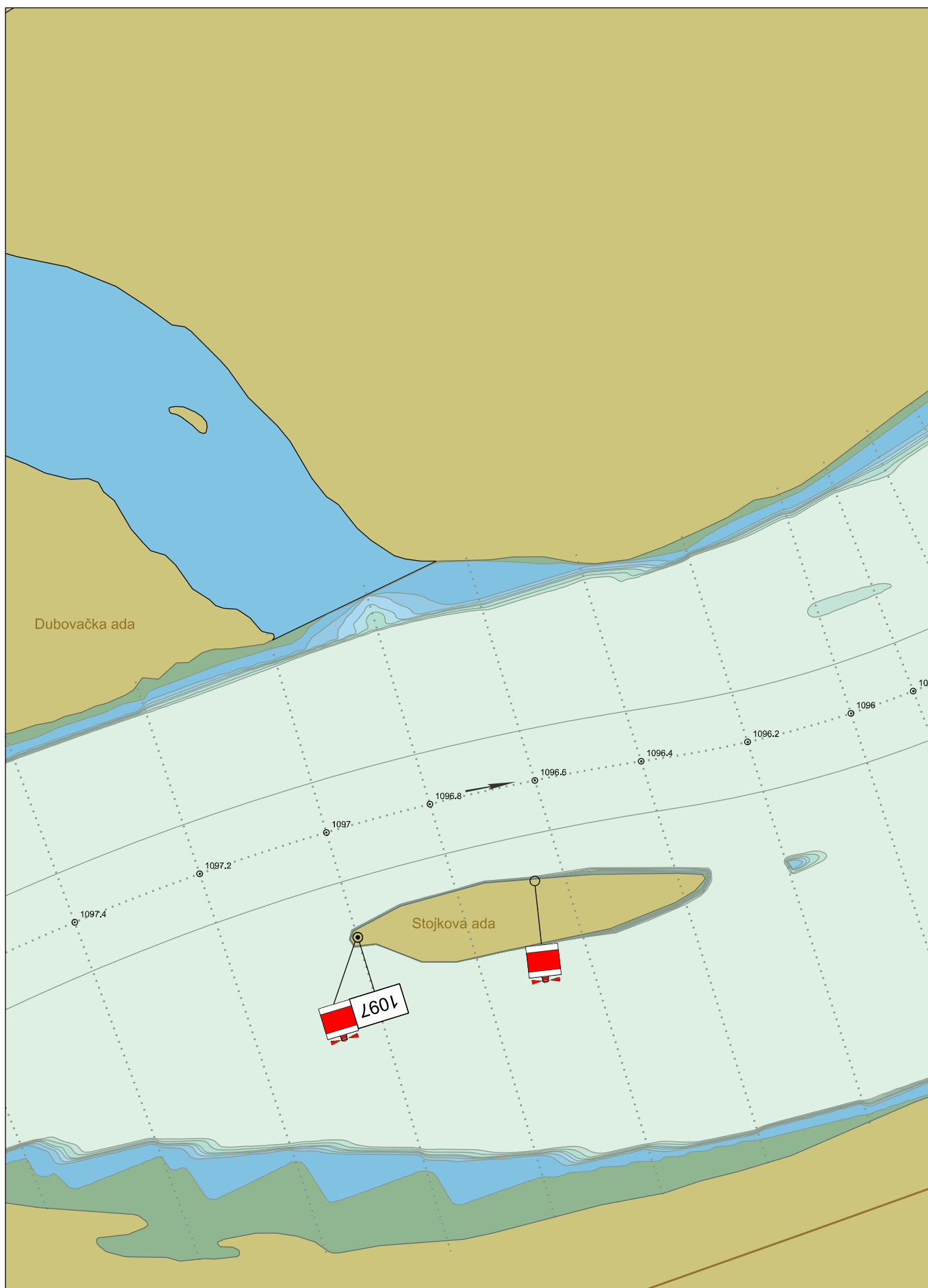
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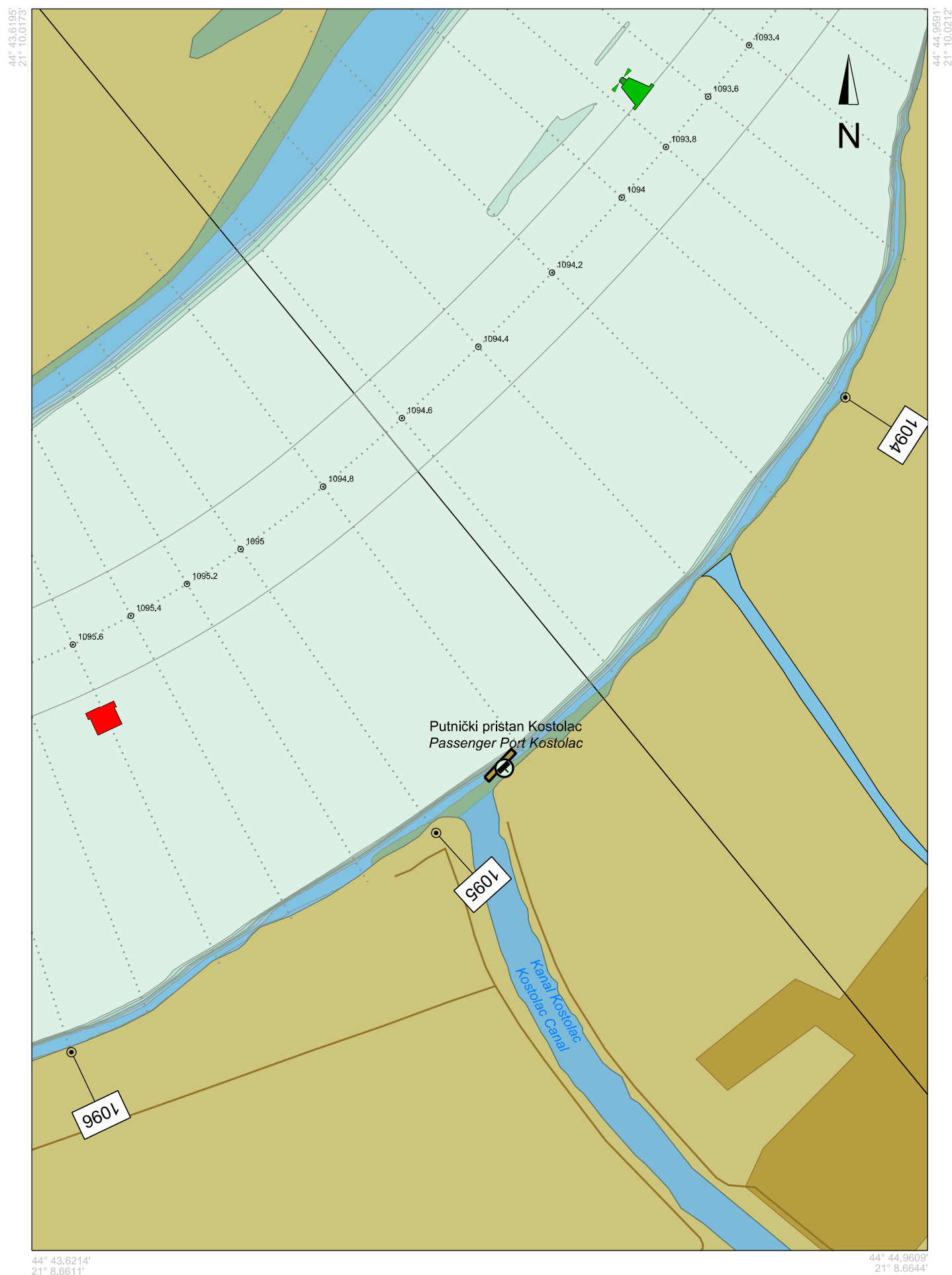
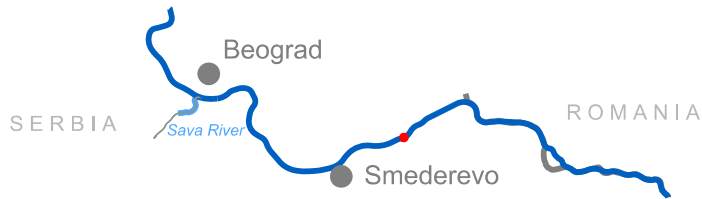
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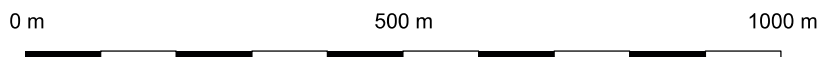
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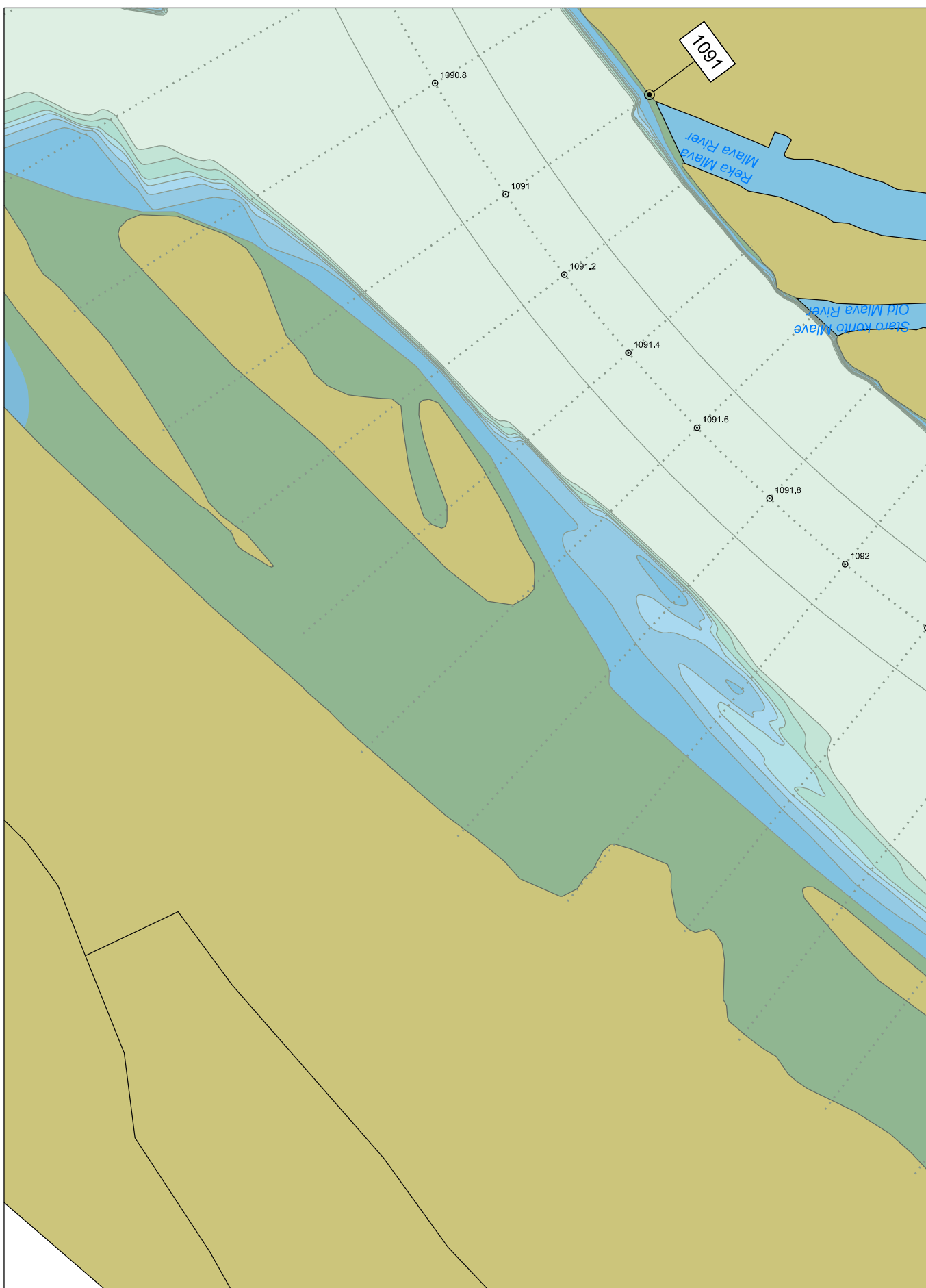
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21° 7.3048'

44° 44.9625'
21° 7.3076'





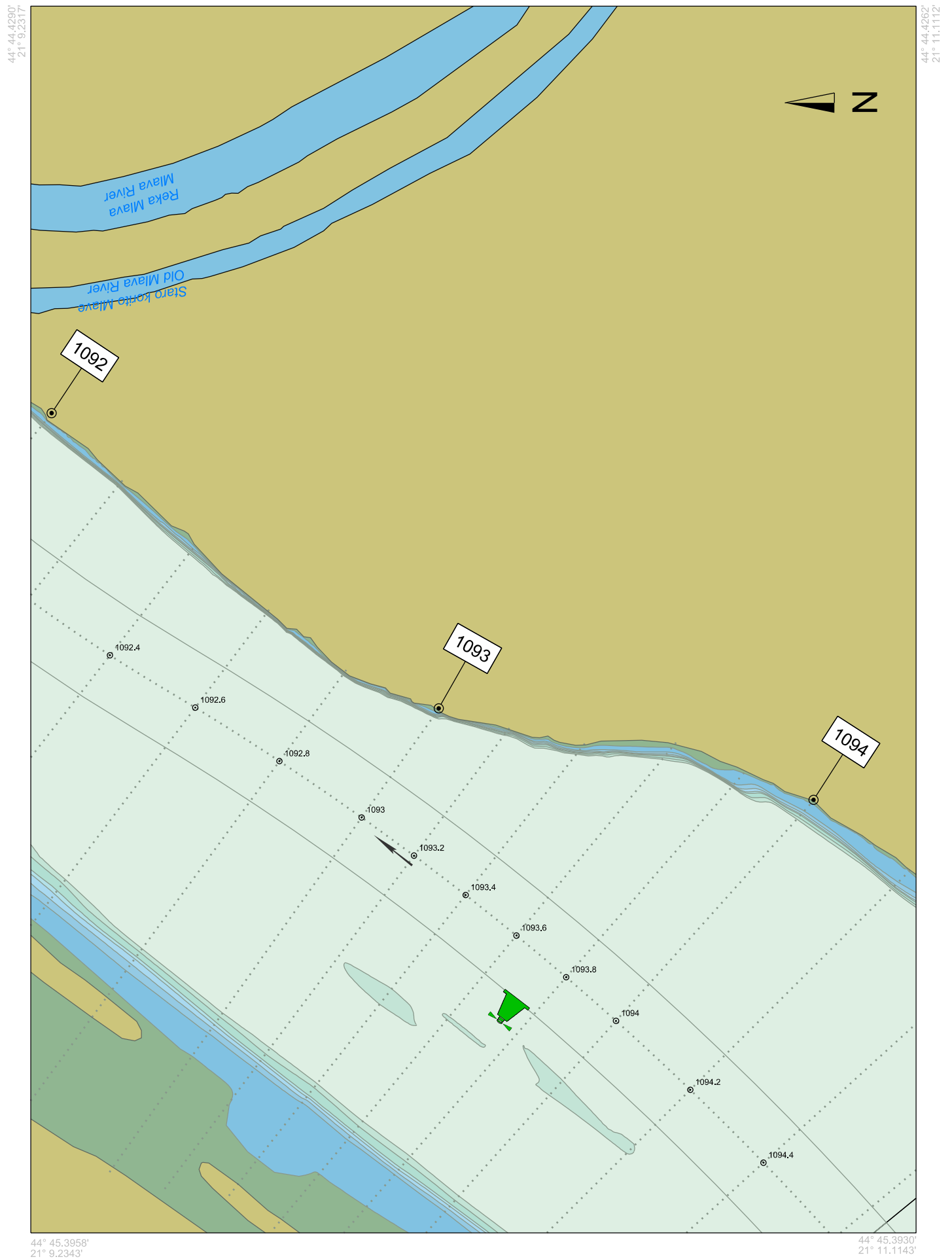
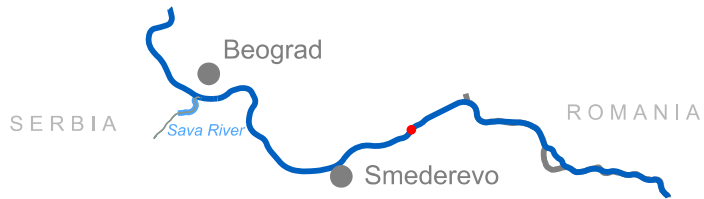
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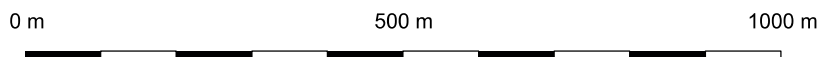


44° 45.3930'
21° 11.1143'

44° 46.3627'
21° 9.2369'

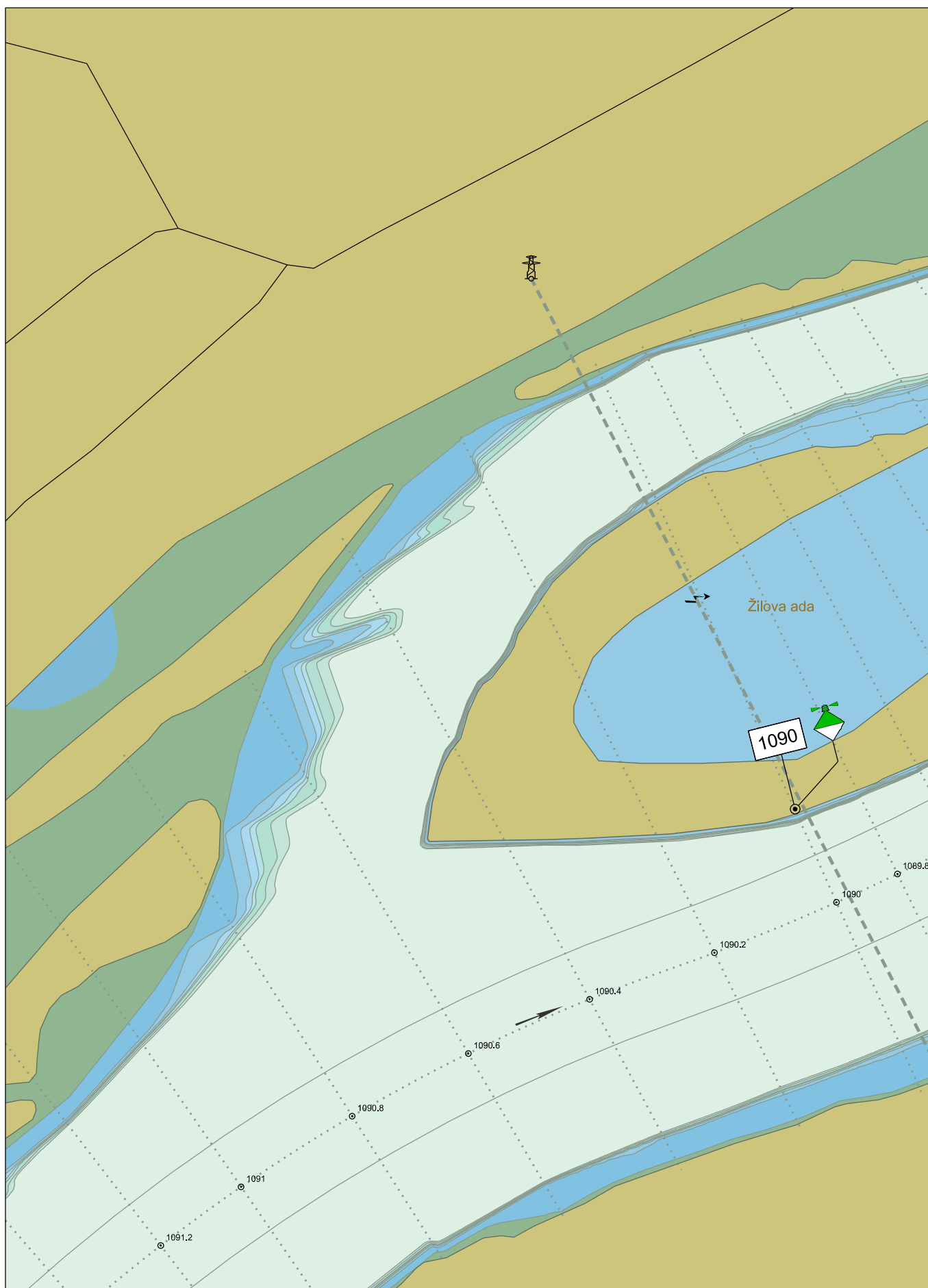
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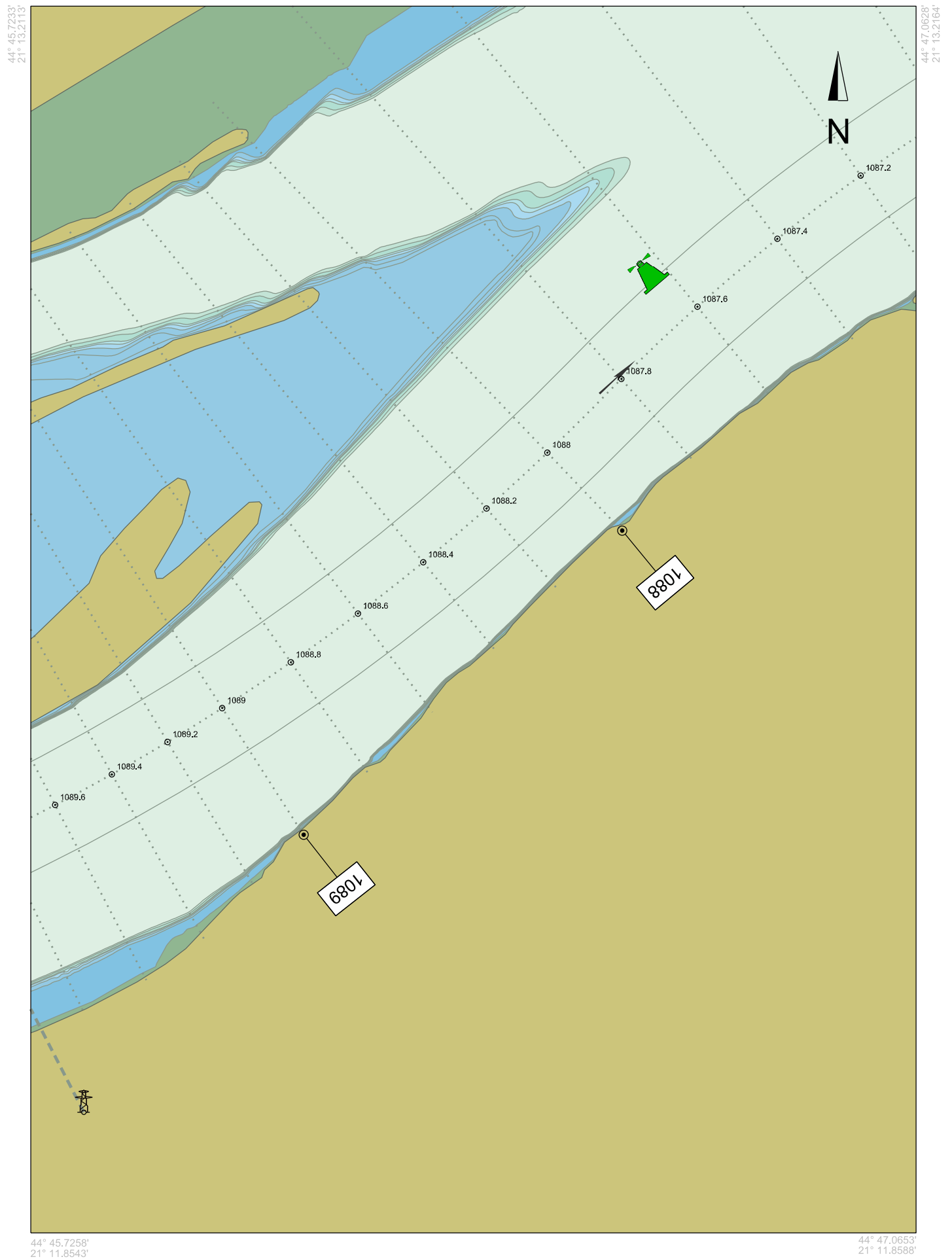
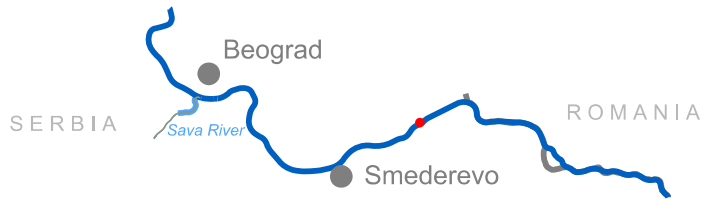
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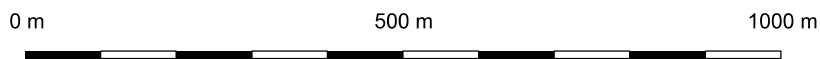
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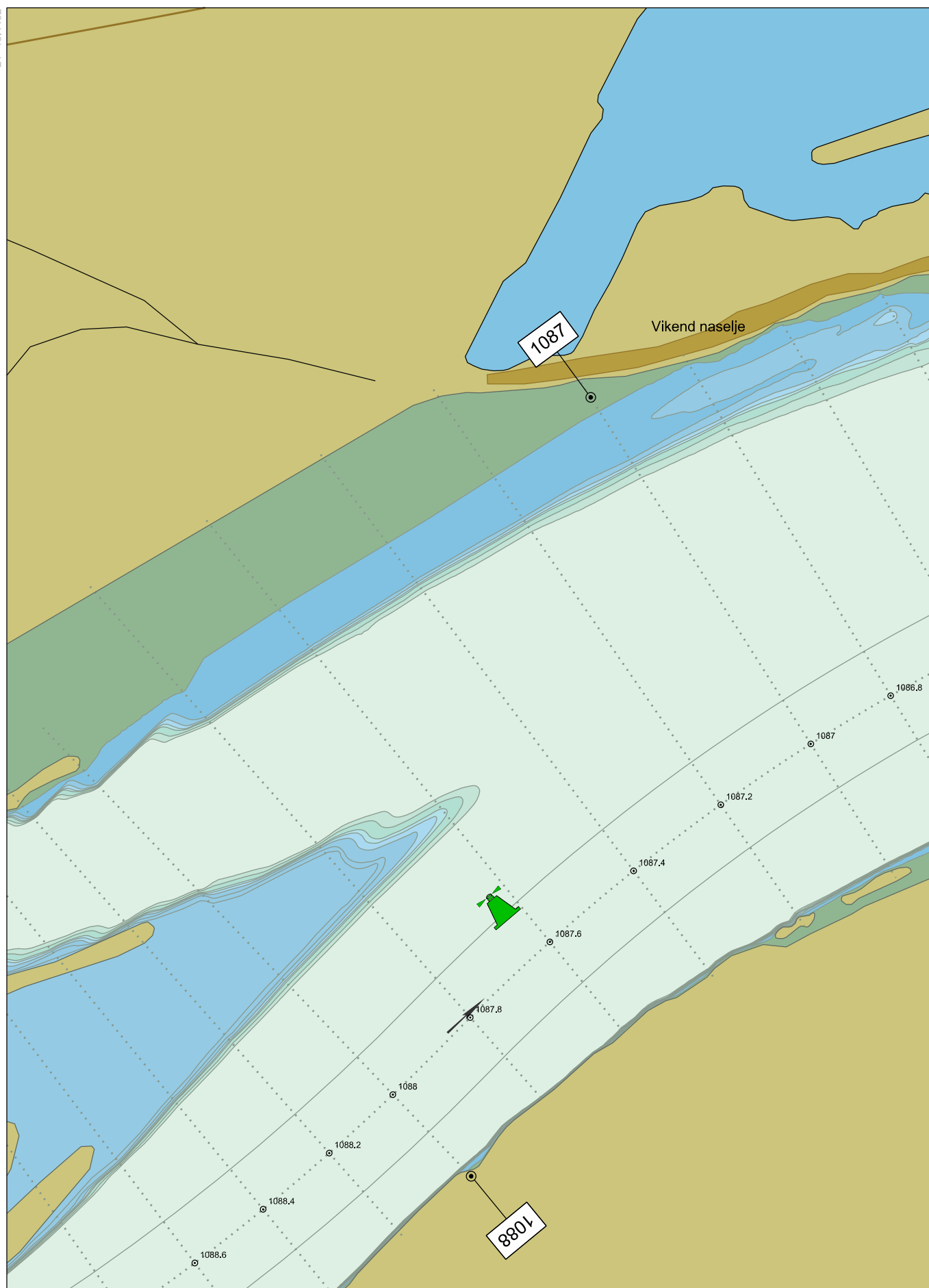
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44° 47.7039'
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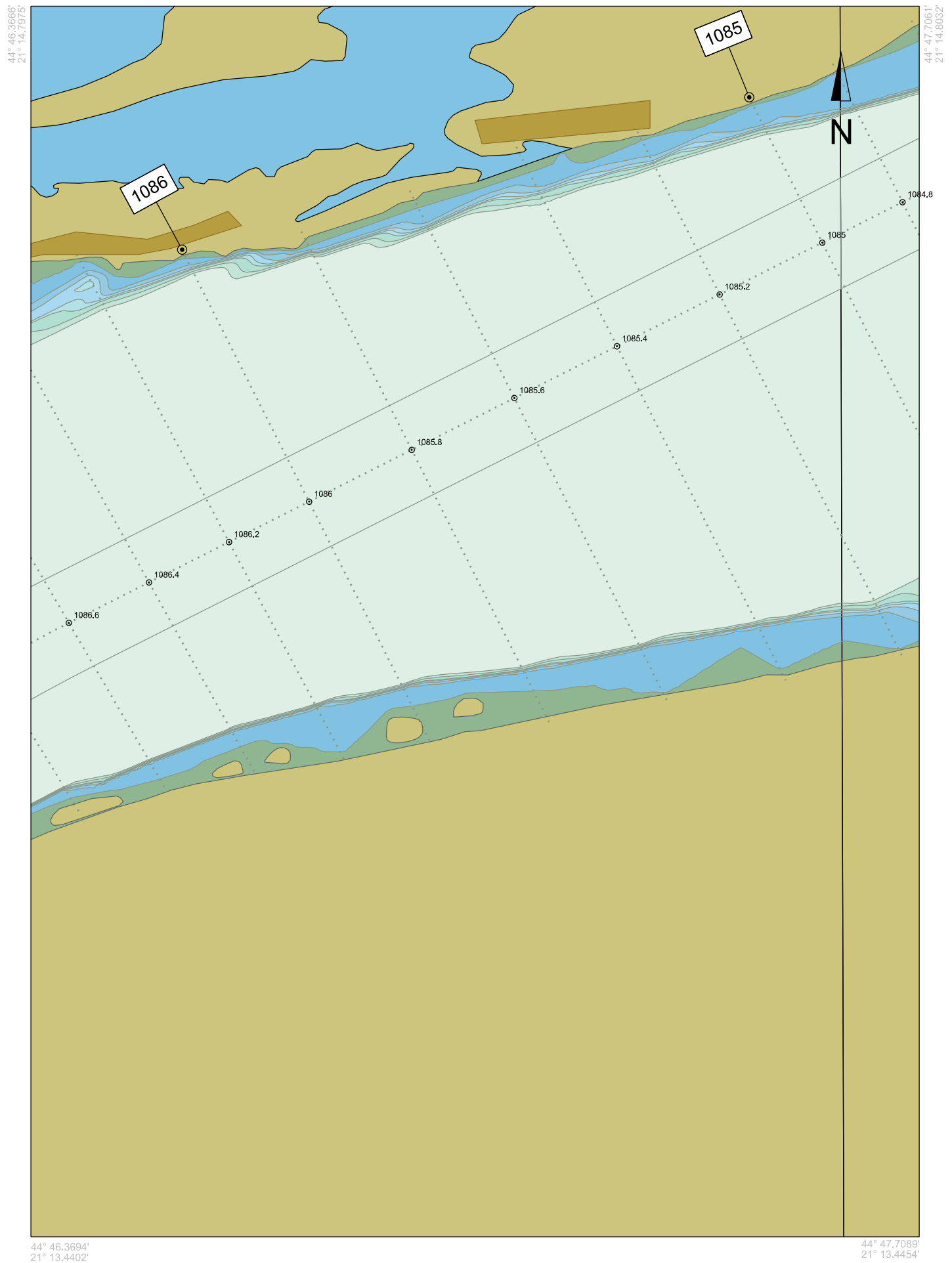


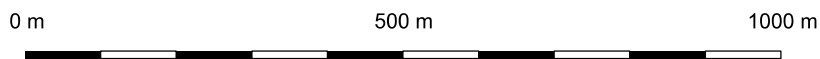
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44° 47.7115'
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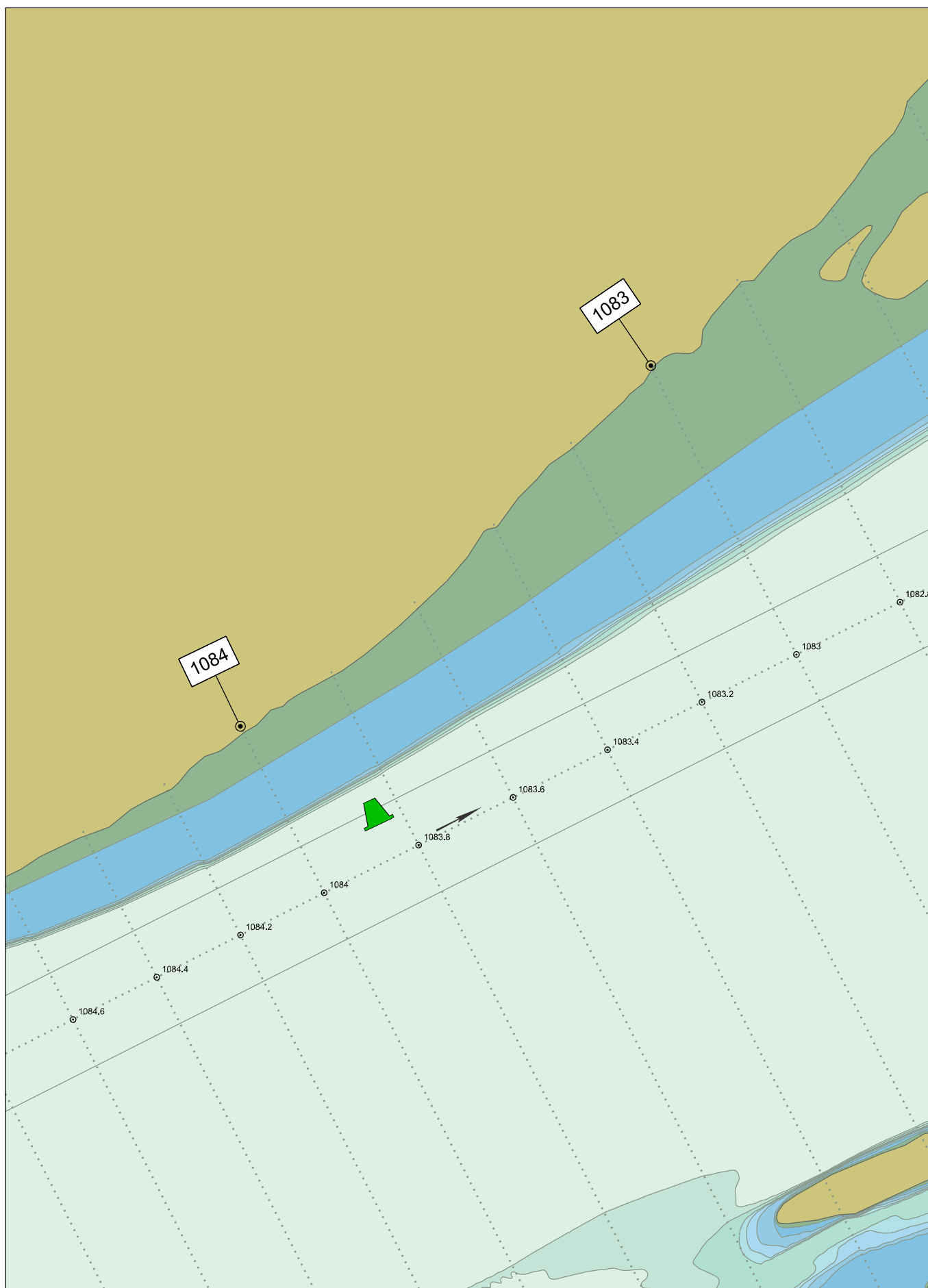
km 1088.6 - 1084.8





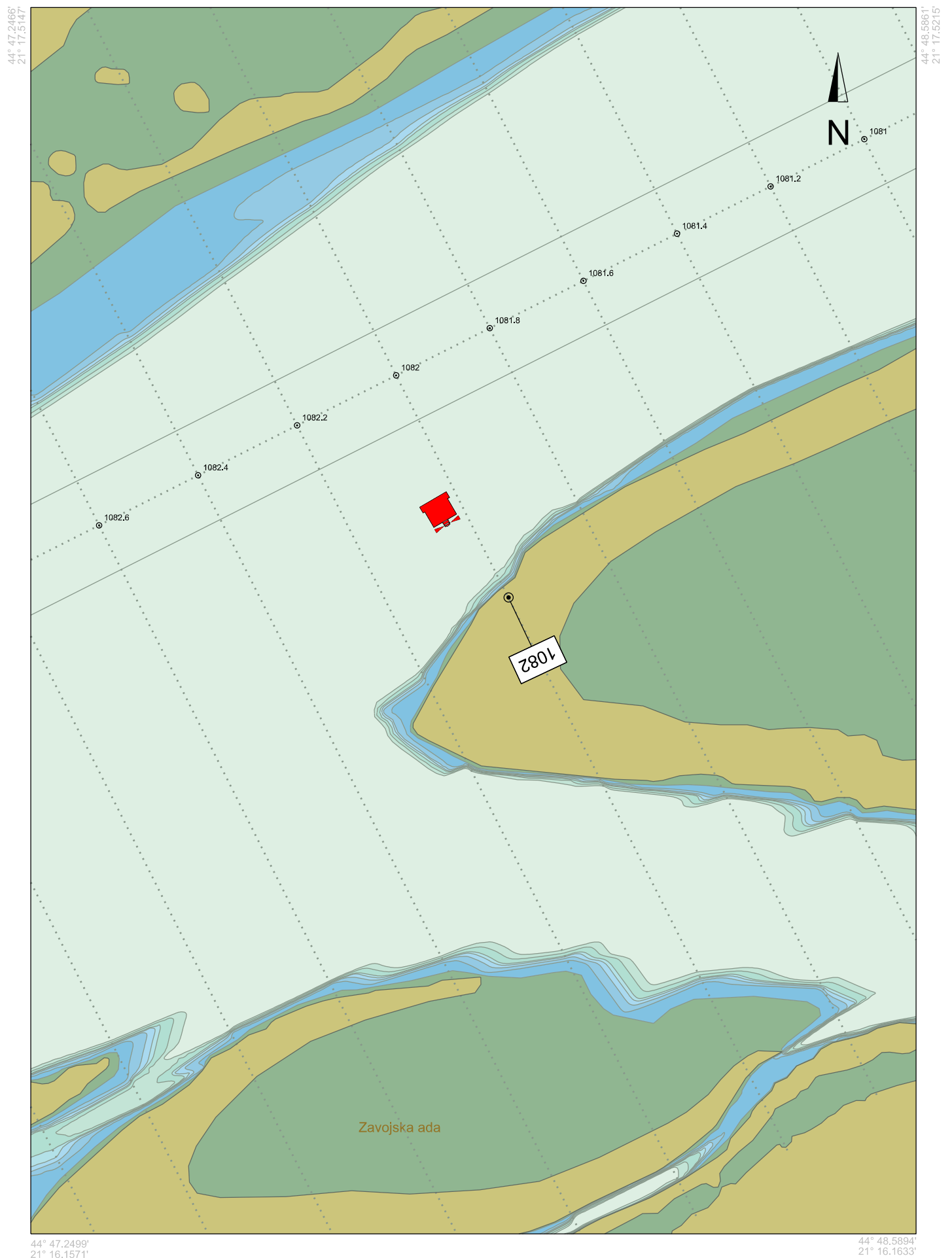
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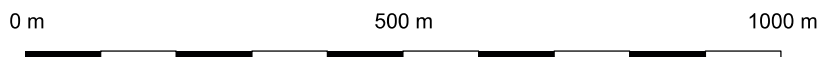
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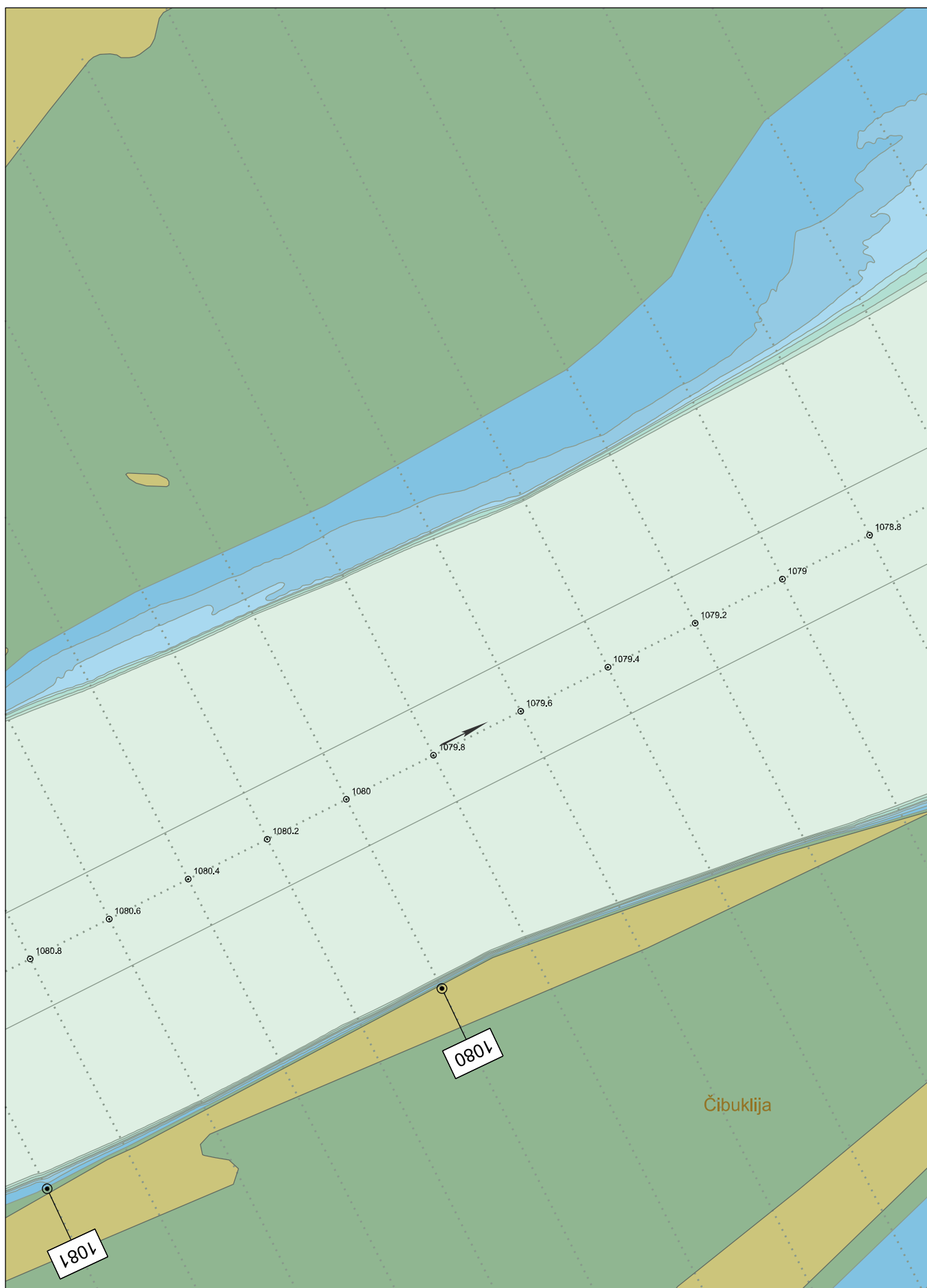
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44° 48.5925'
21° 14.8051'





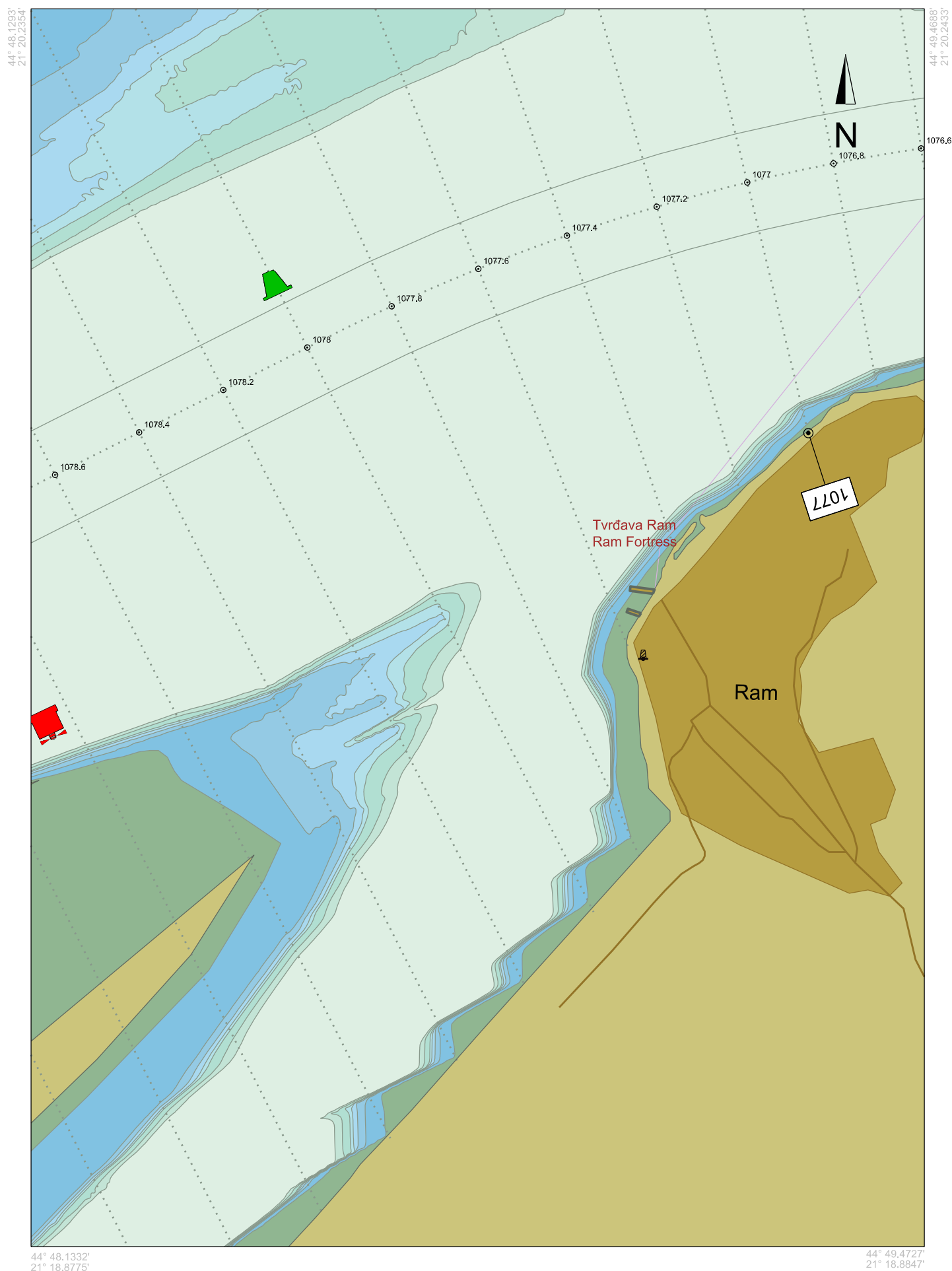
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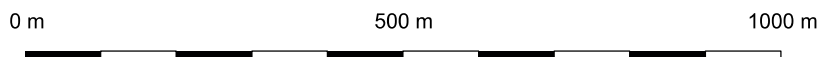


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44° 48.1368'
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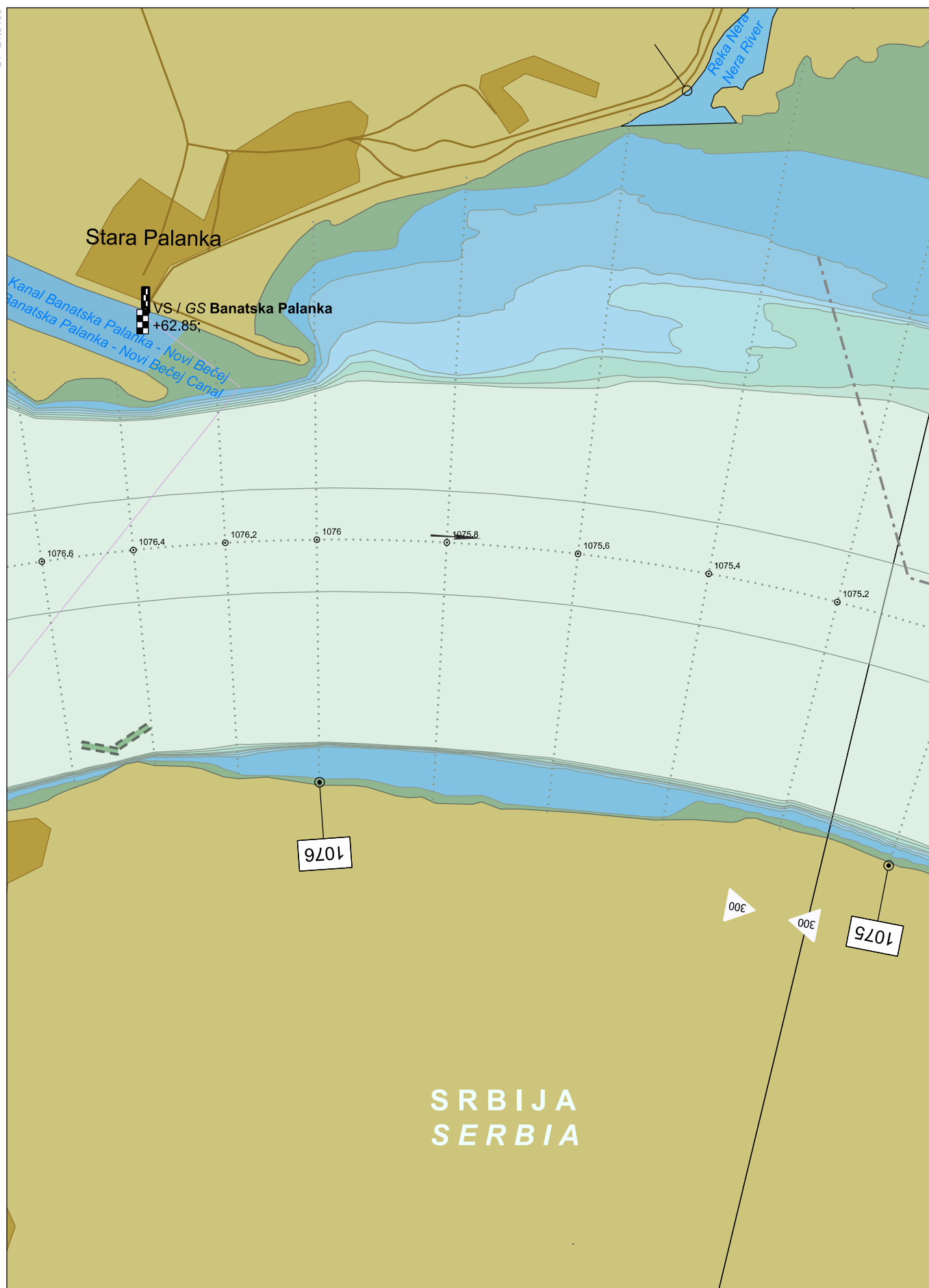
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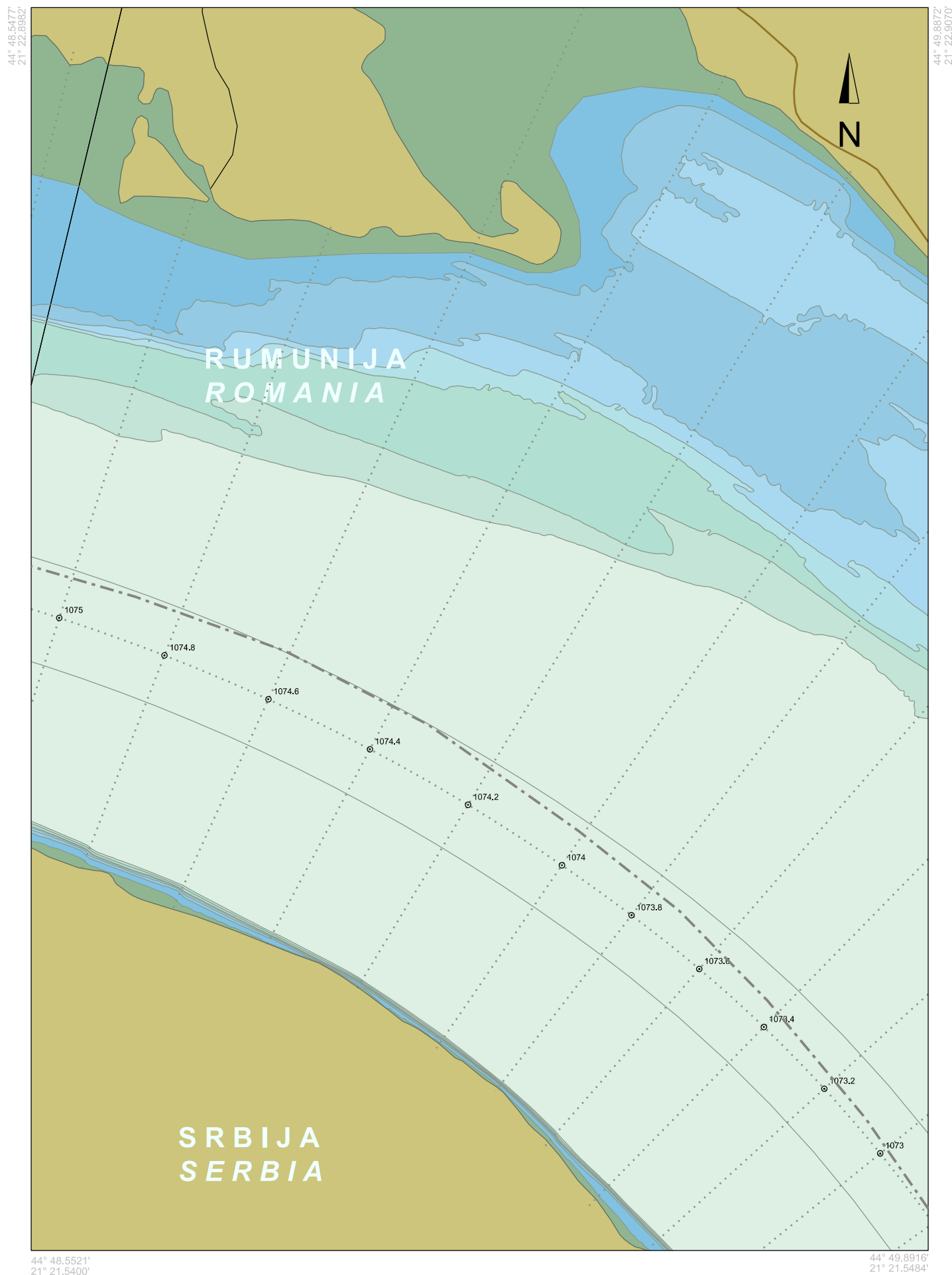
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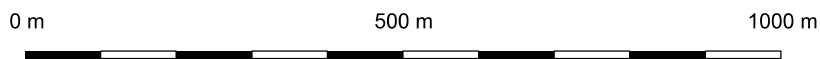
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44° 48.5562'
21° 20.1819'

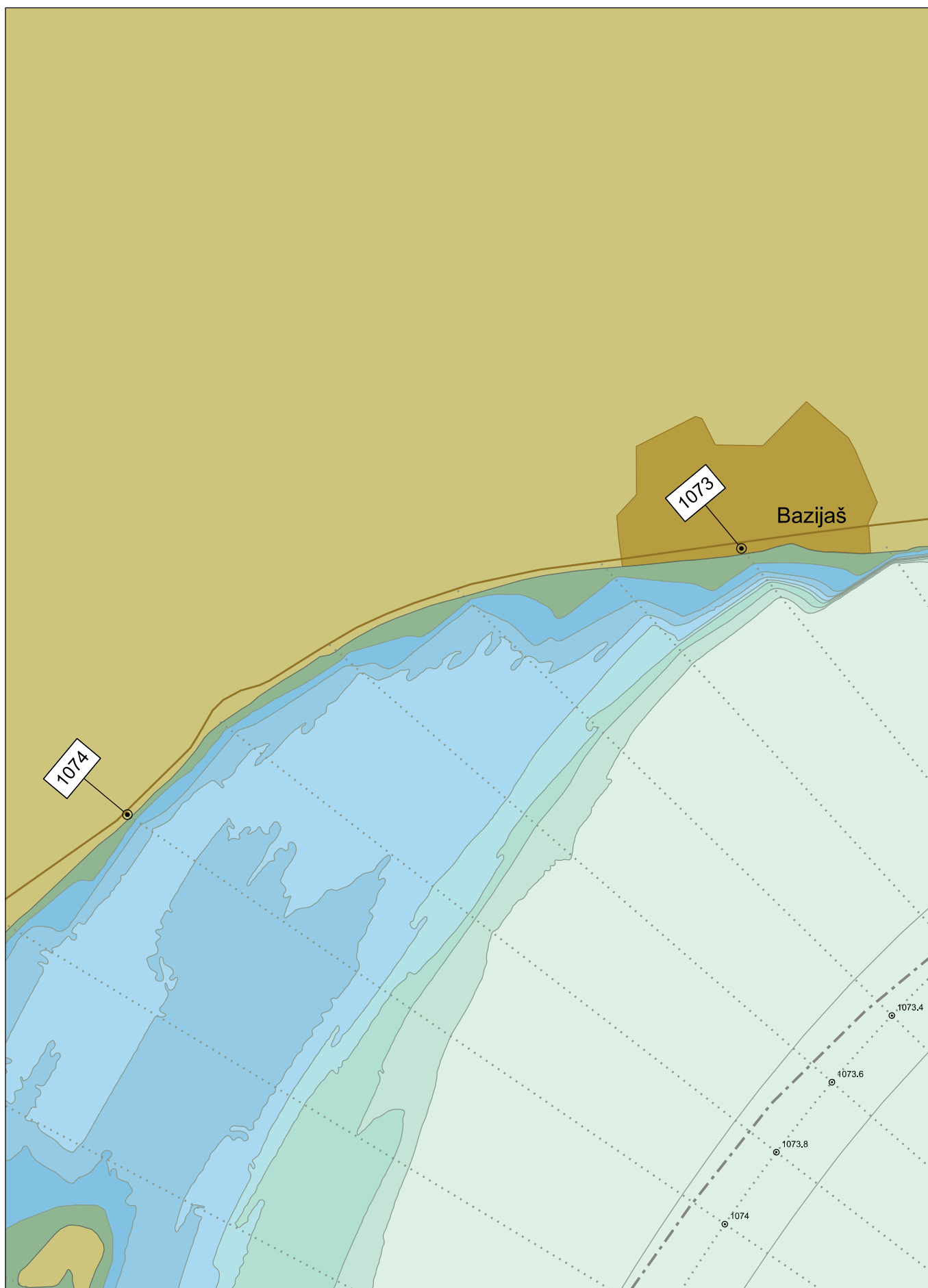
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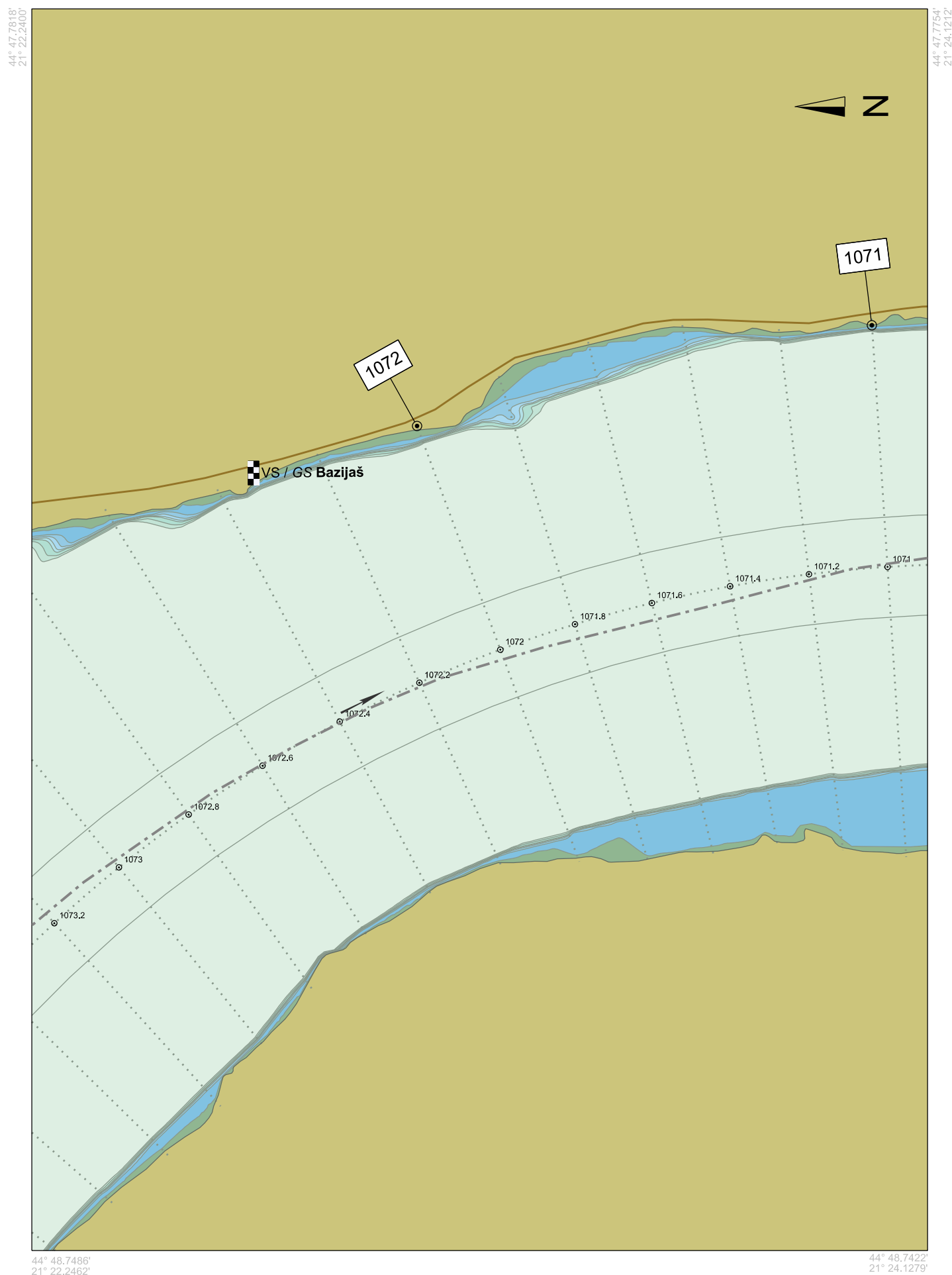
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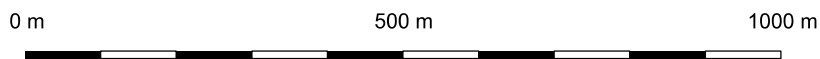
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44° 49.7154'
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44° 49.7091'
21° 24.1347'





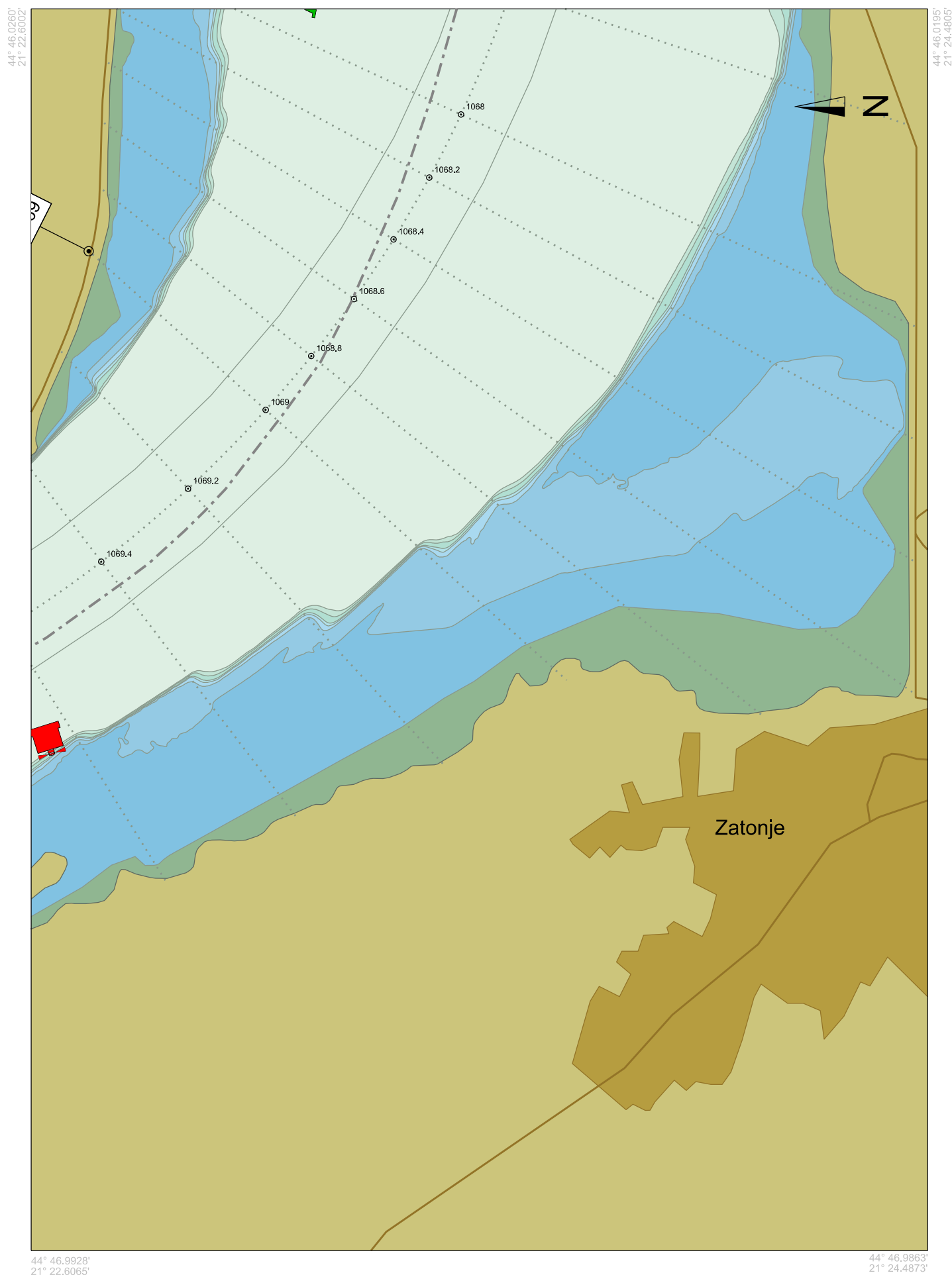
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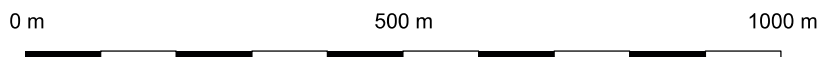
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44° 47.9596'
21° 22.6128'

44° 47.9531'
21° 24.4941'





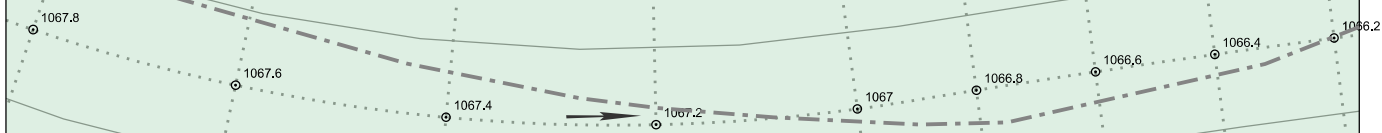
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44° 47.1644'
21° 25.8468'

1068

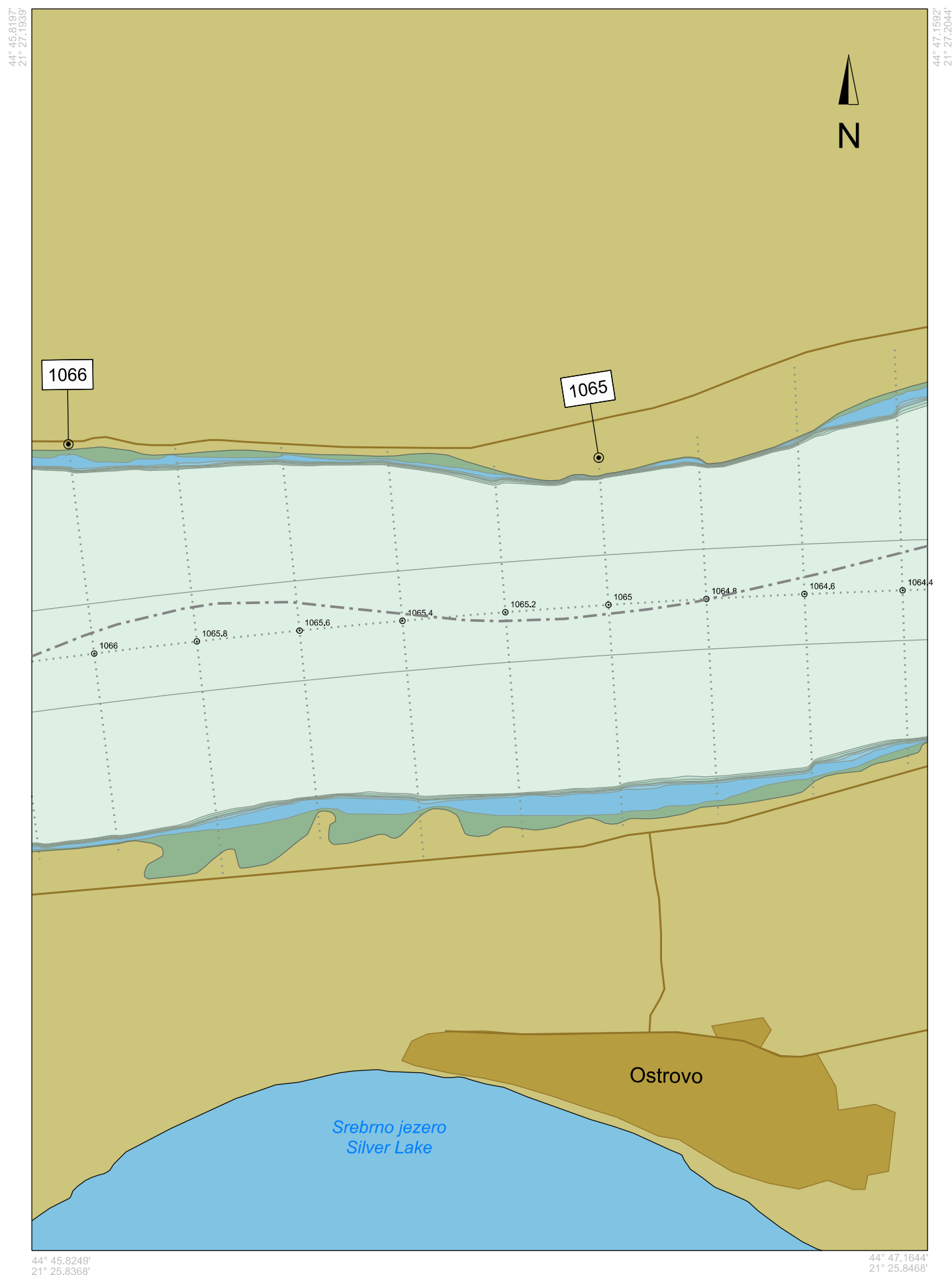
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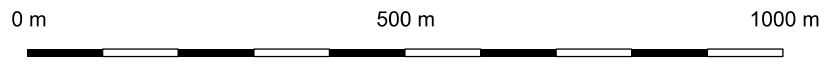
Ada Kalinovac



44° 45.8299'
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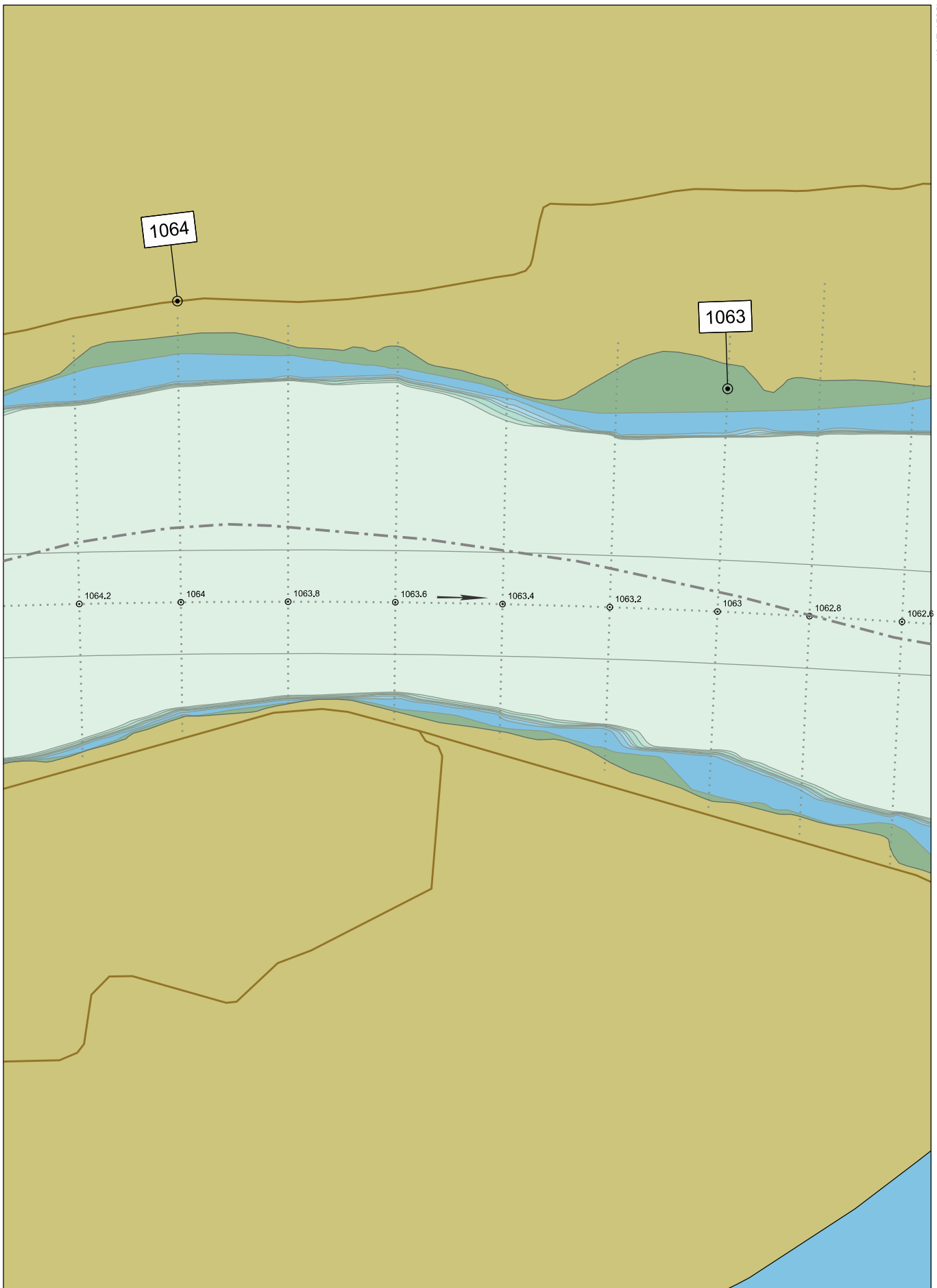
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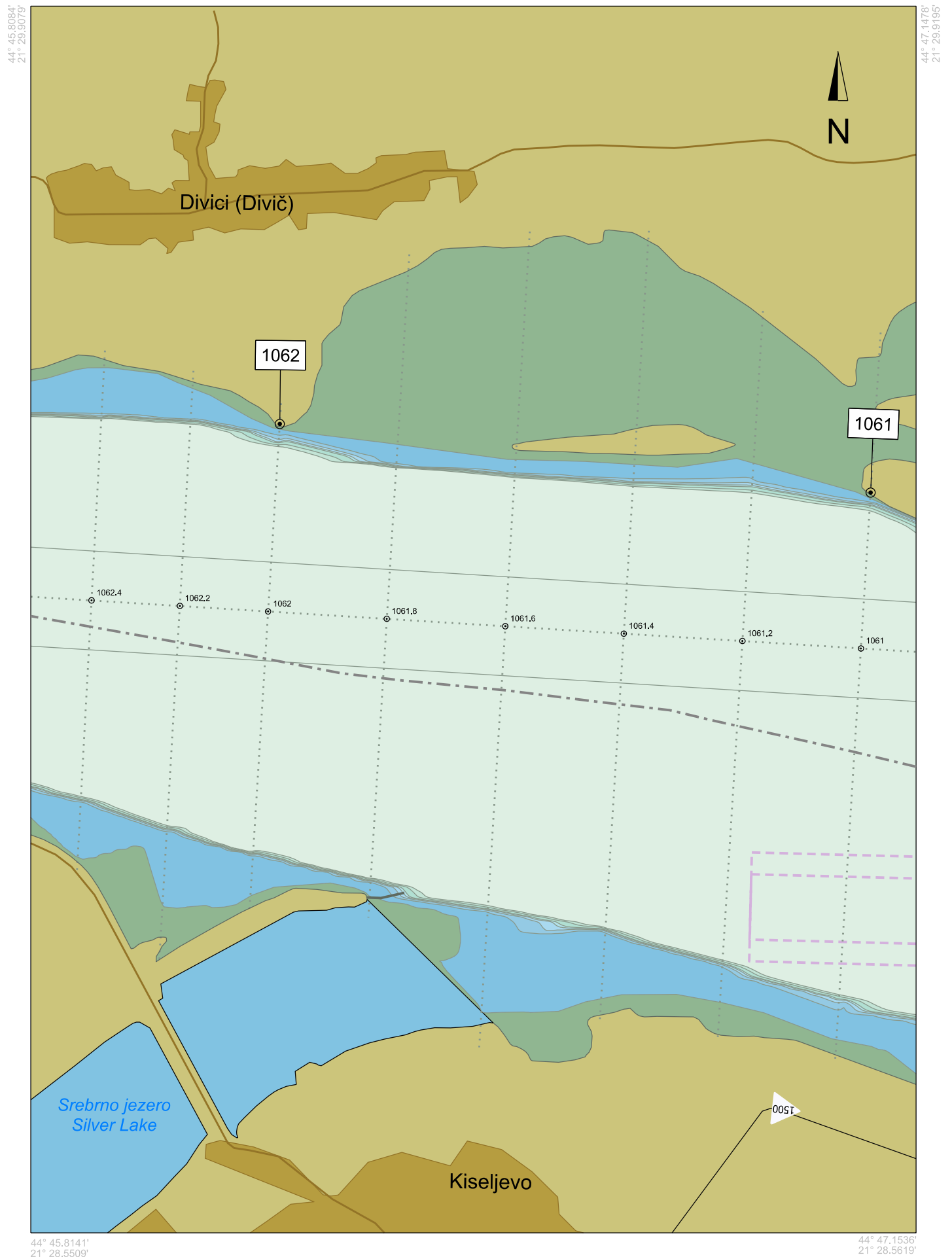
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44° 47.1536'
21° 28.5619'



44° 45.8197'
21° 27.1938'

44° 47.1592'
21° 27.2043'



0 m 500 m 1000 m

44° 45.8023'
21° 31.2650'

44° 47.1418'
21° 31.2770'

Belobresca

1060



1060.8

1060.6

1060.4

1060.2

1060

1059.8

1059.6

1059.4

1059.2

Sidrište "Veliko Gradište 1"
Anchorage "Veliko Gradište 1"

VS / GS Veliko Gradište
+62.40;

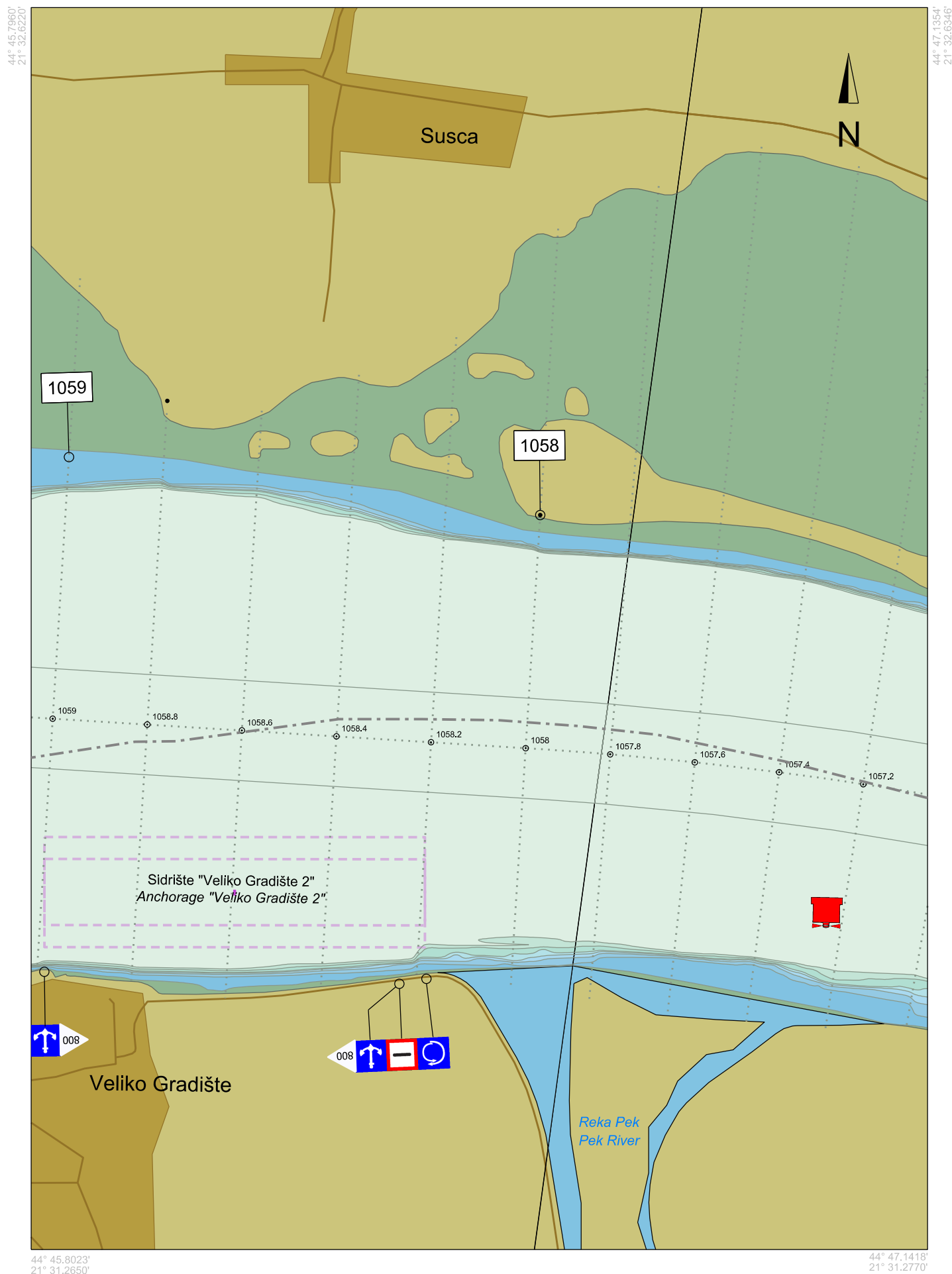
Kapetanija /
Harbor Master Office
VELIKO GRADIŠTE
Carina / Customs

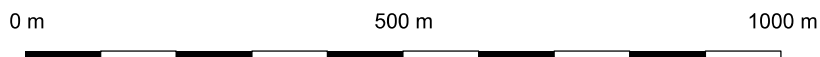


Veliko Gradište

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44° 47.1478'
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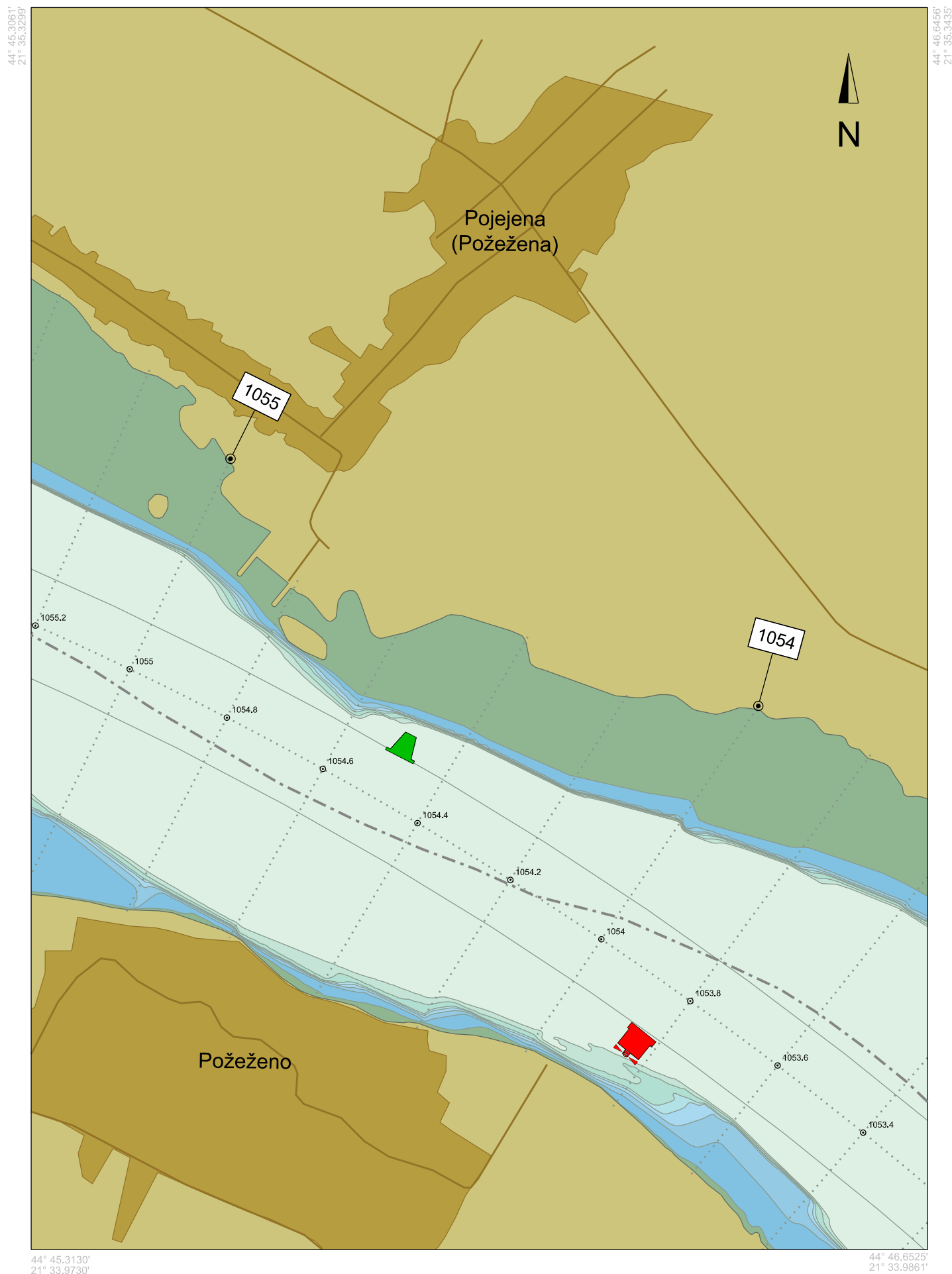
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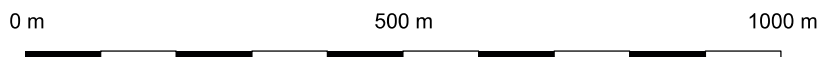


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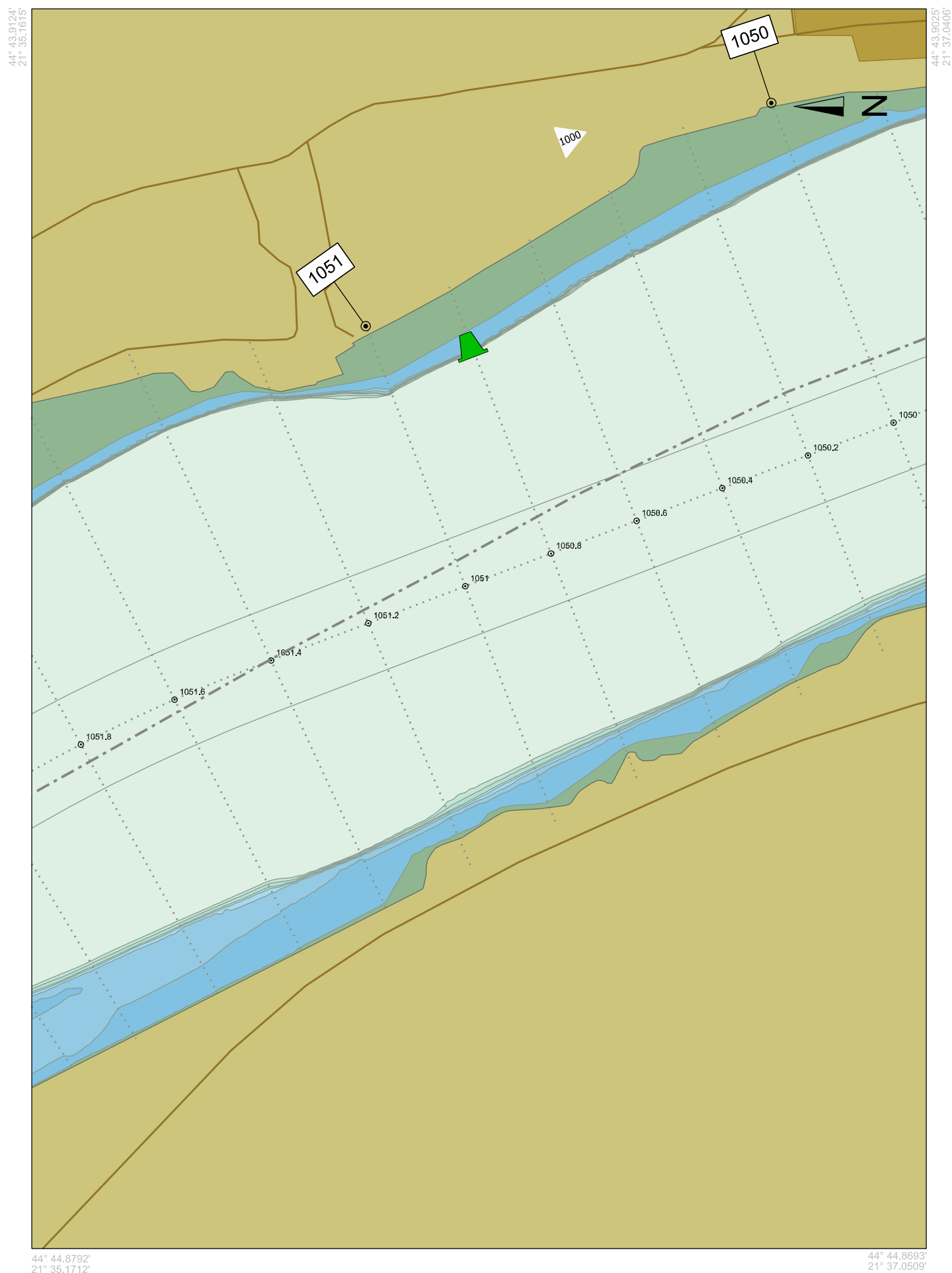
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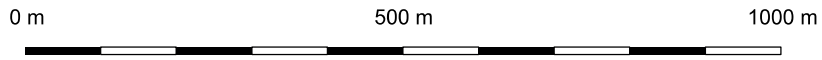
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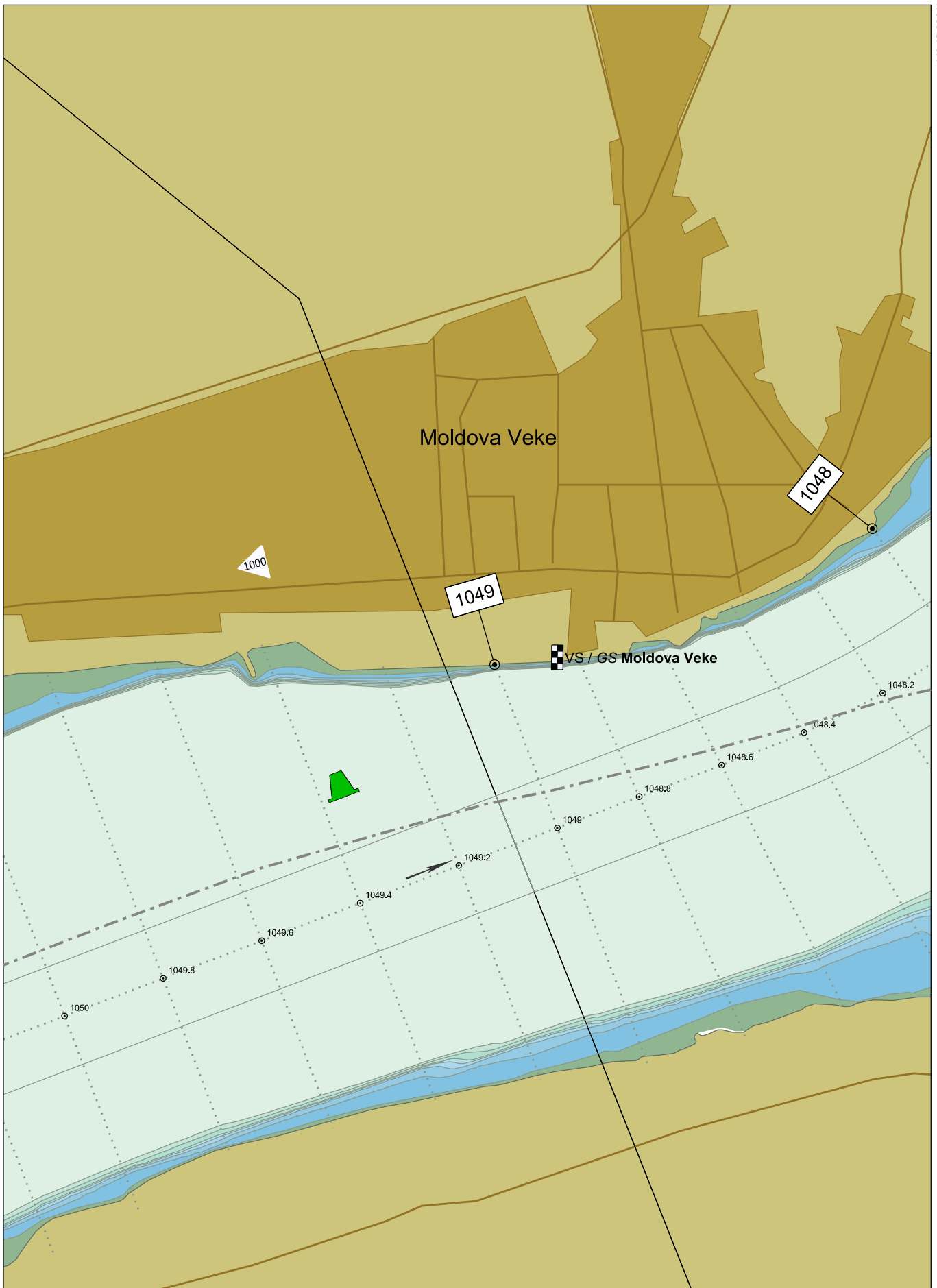
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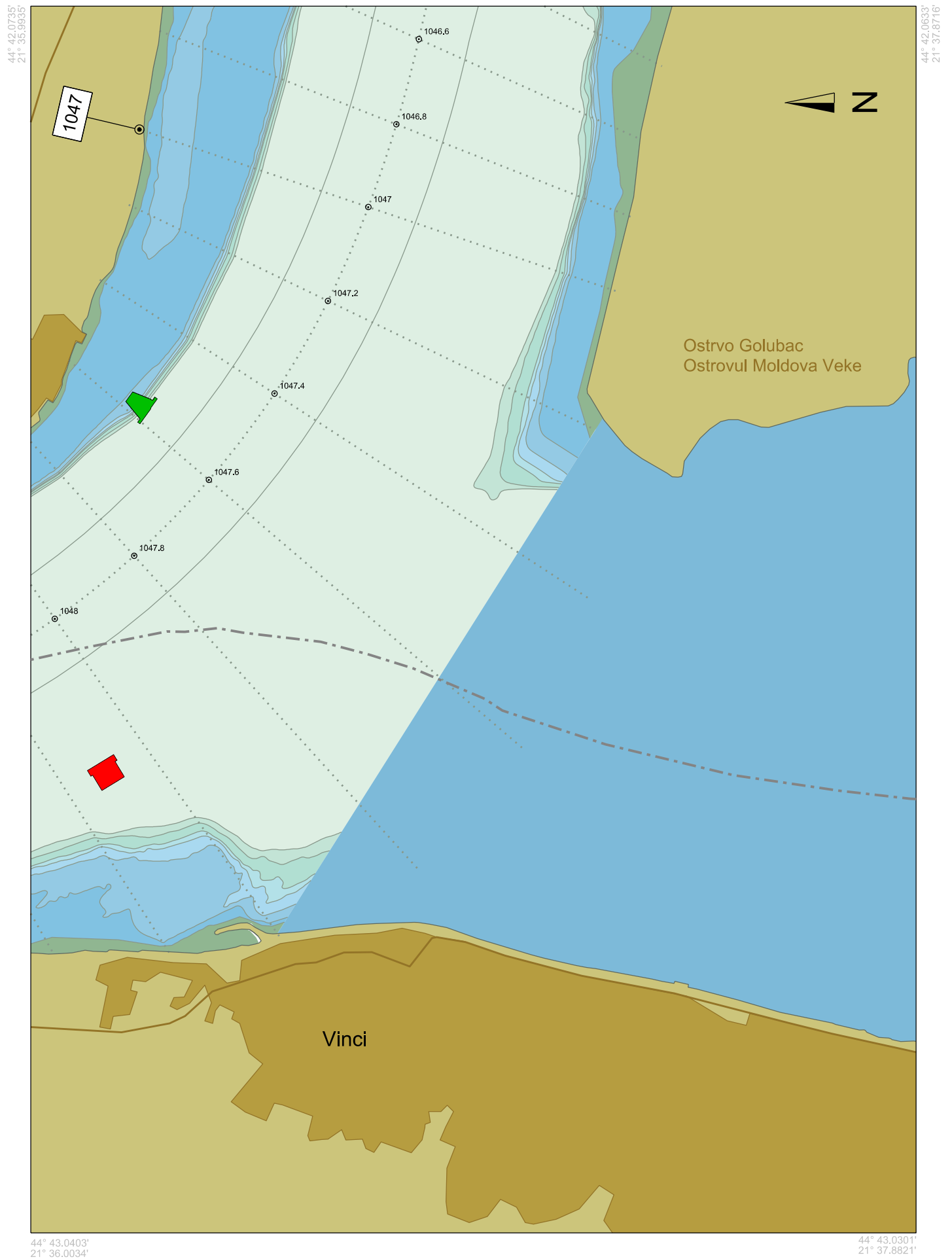
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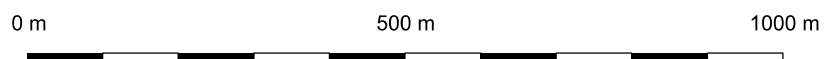
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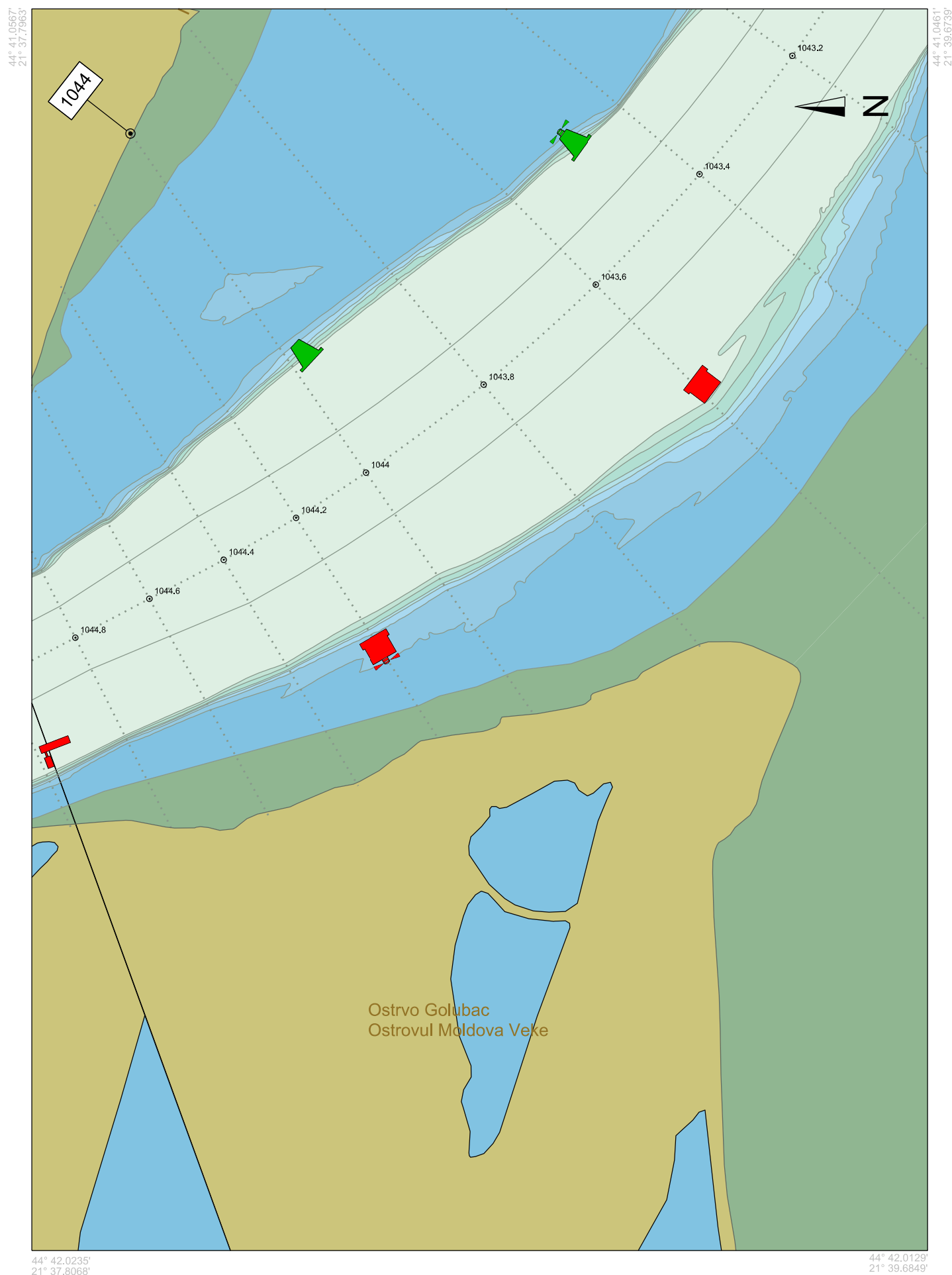


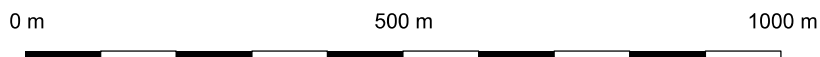
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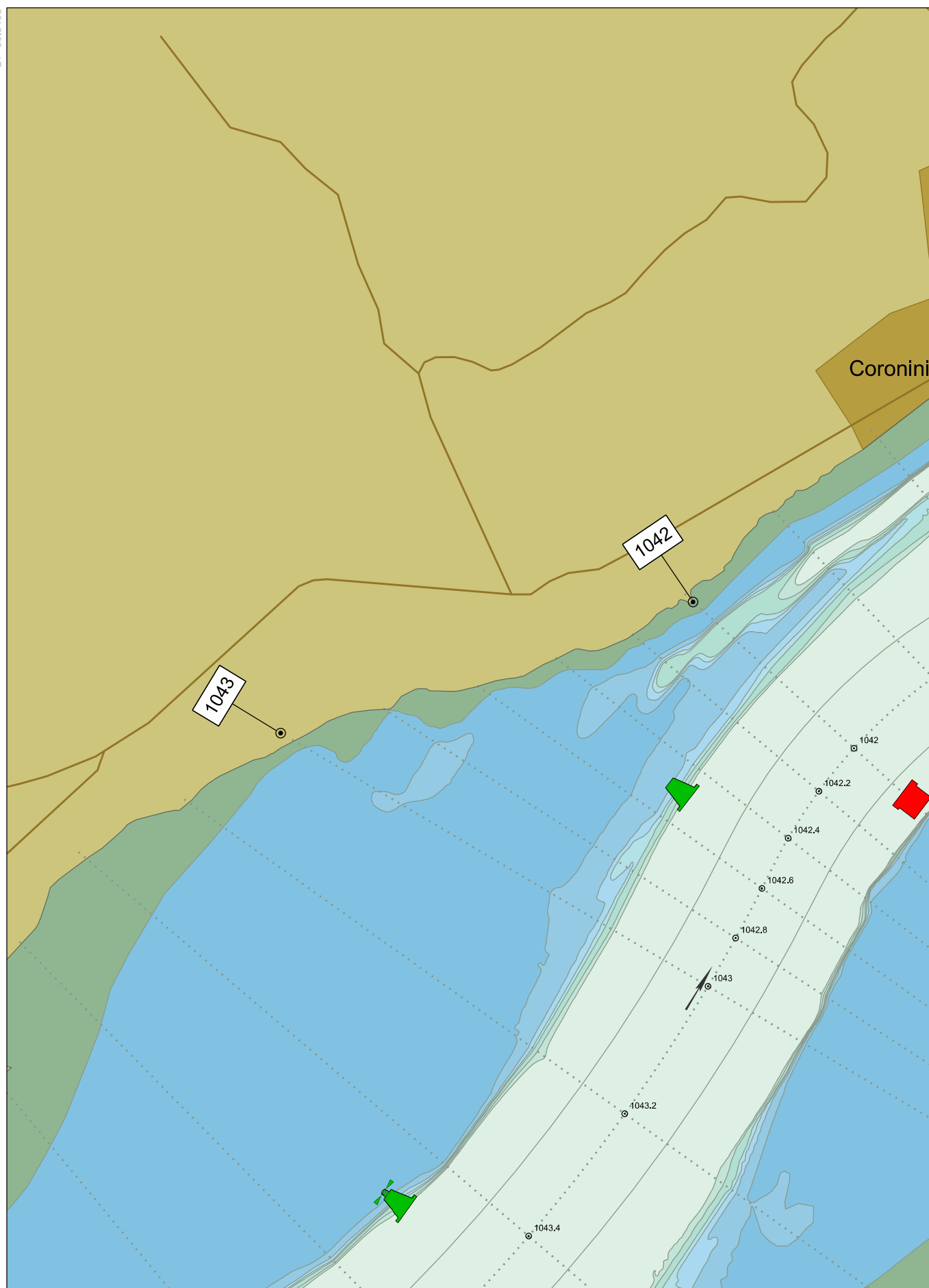






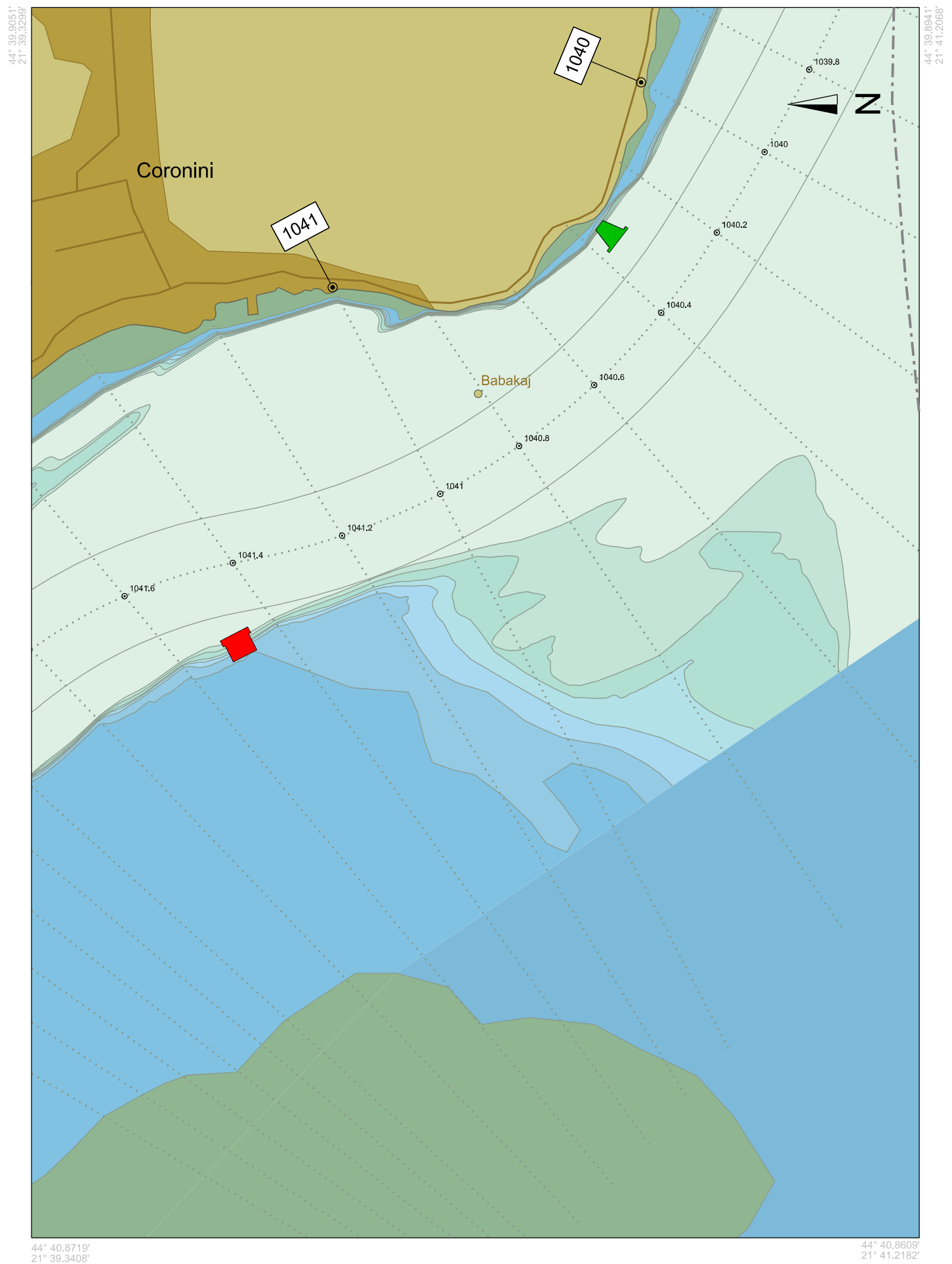
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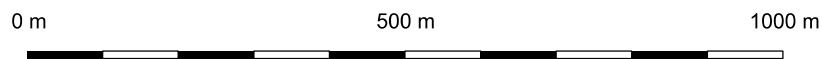
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44° 41.8277'
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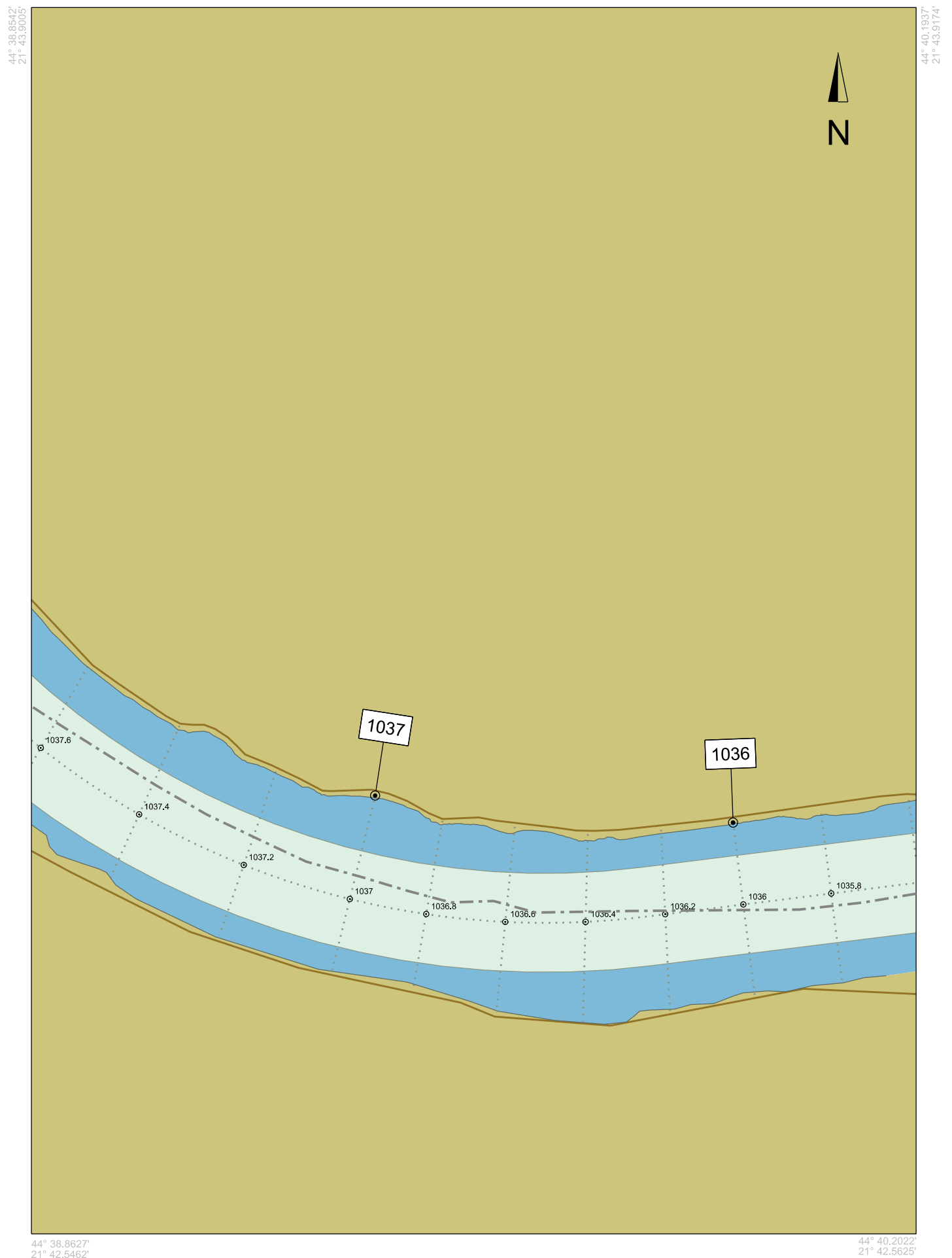
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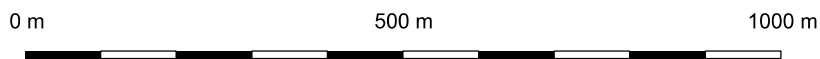
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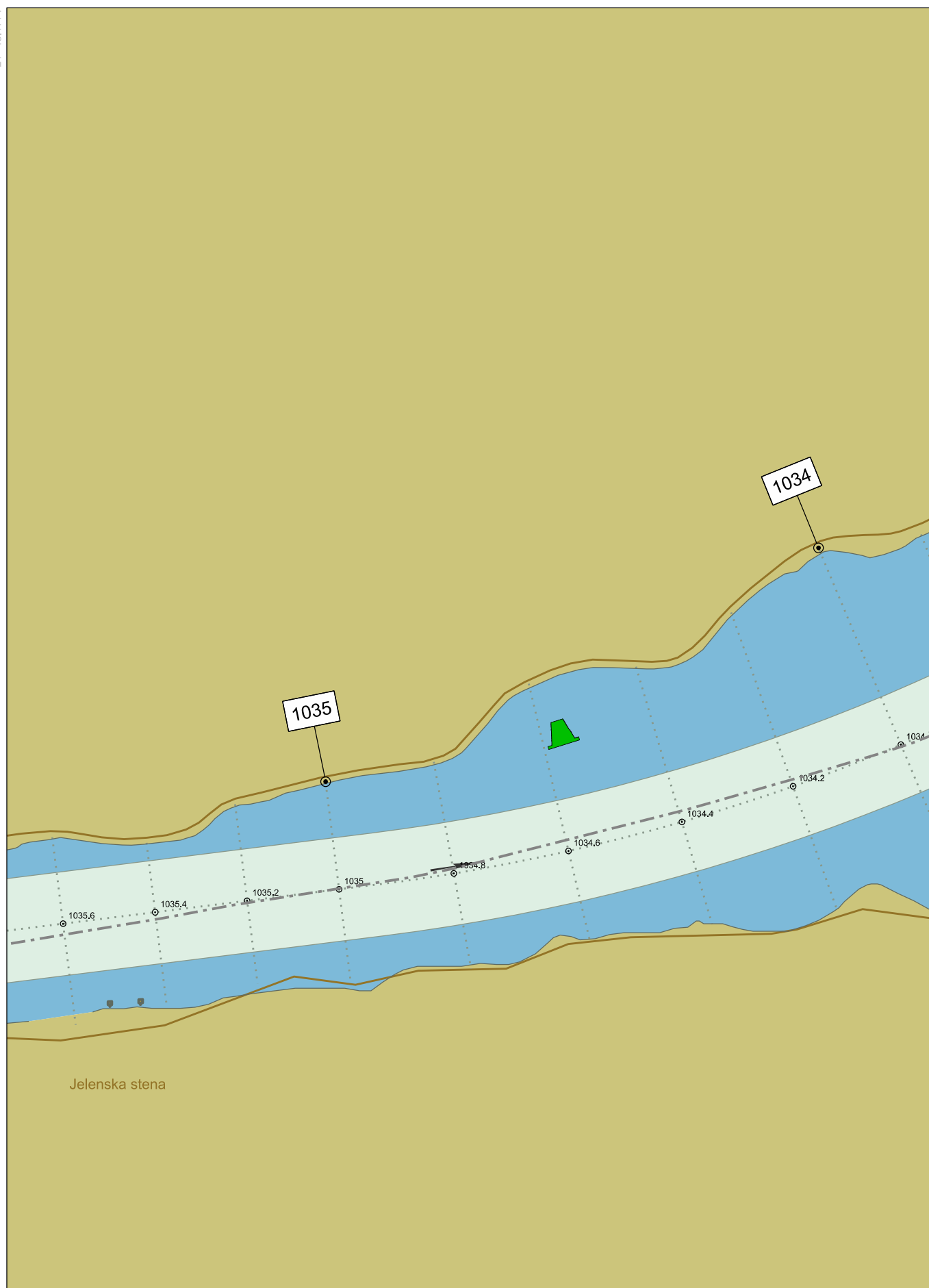
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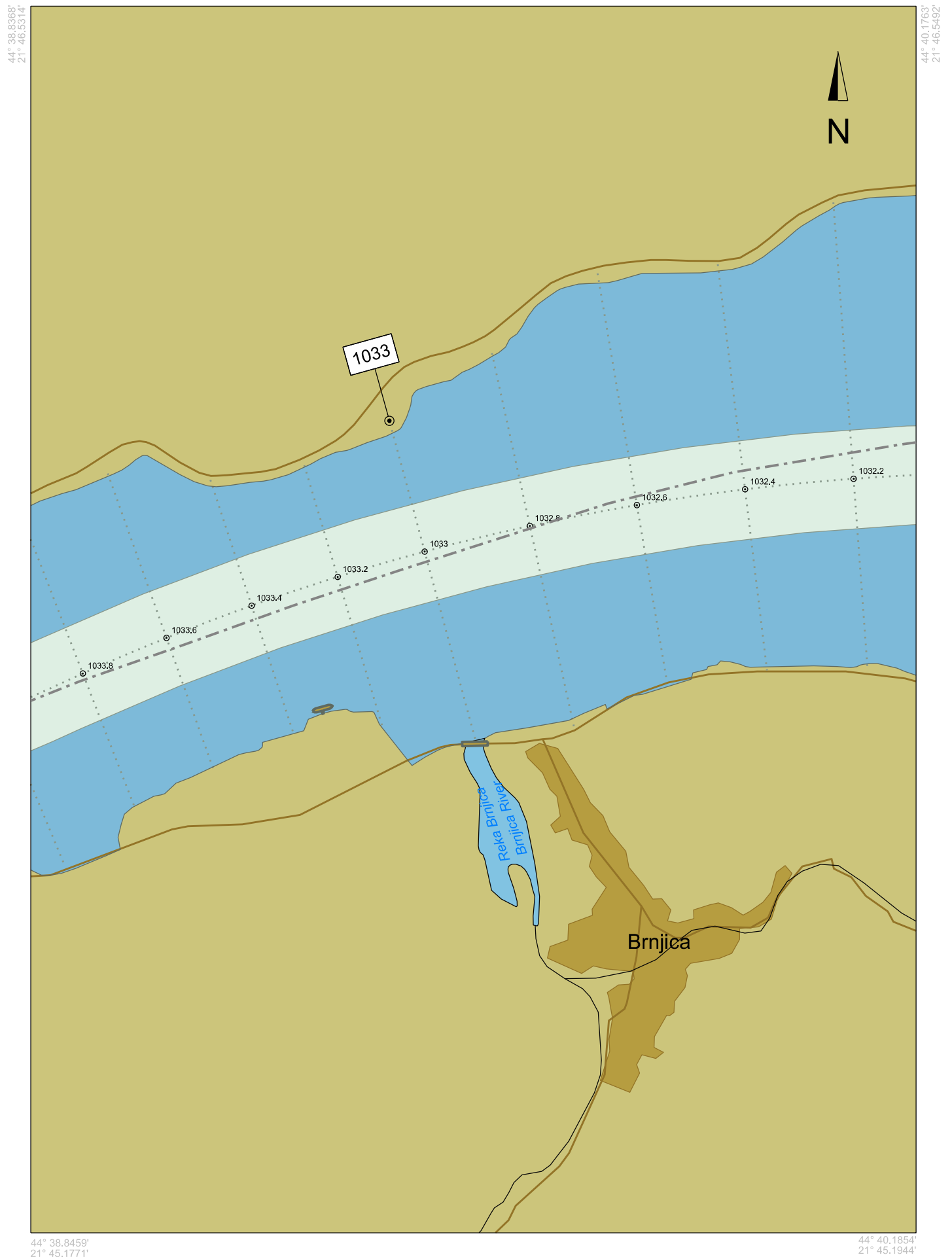
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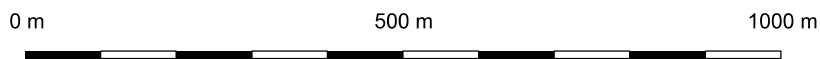


Jelenska stena

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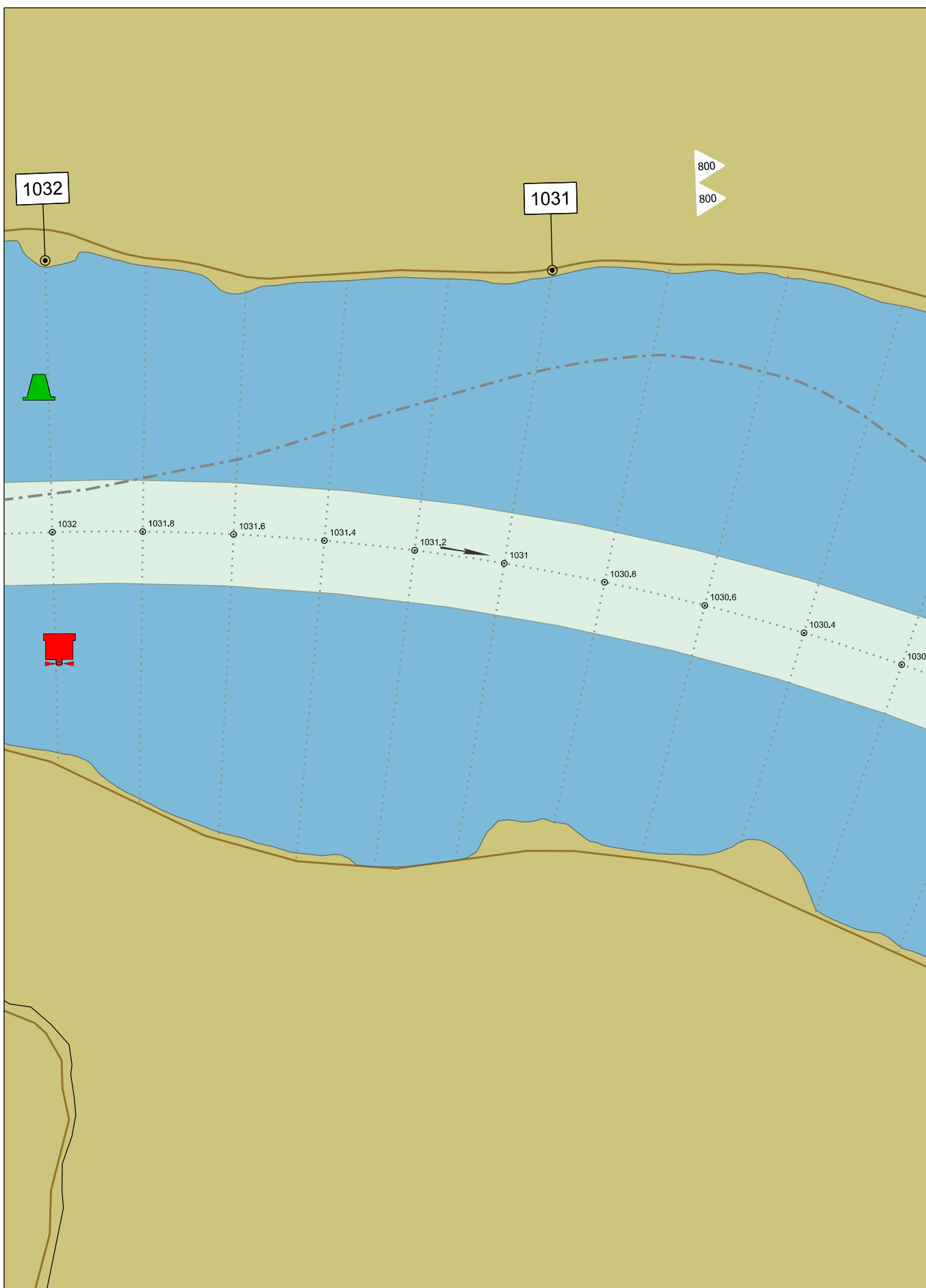
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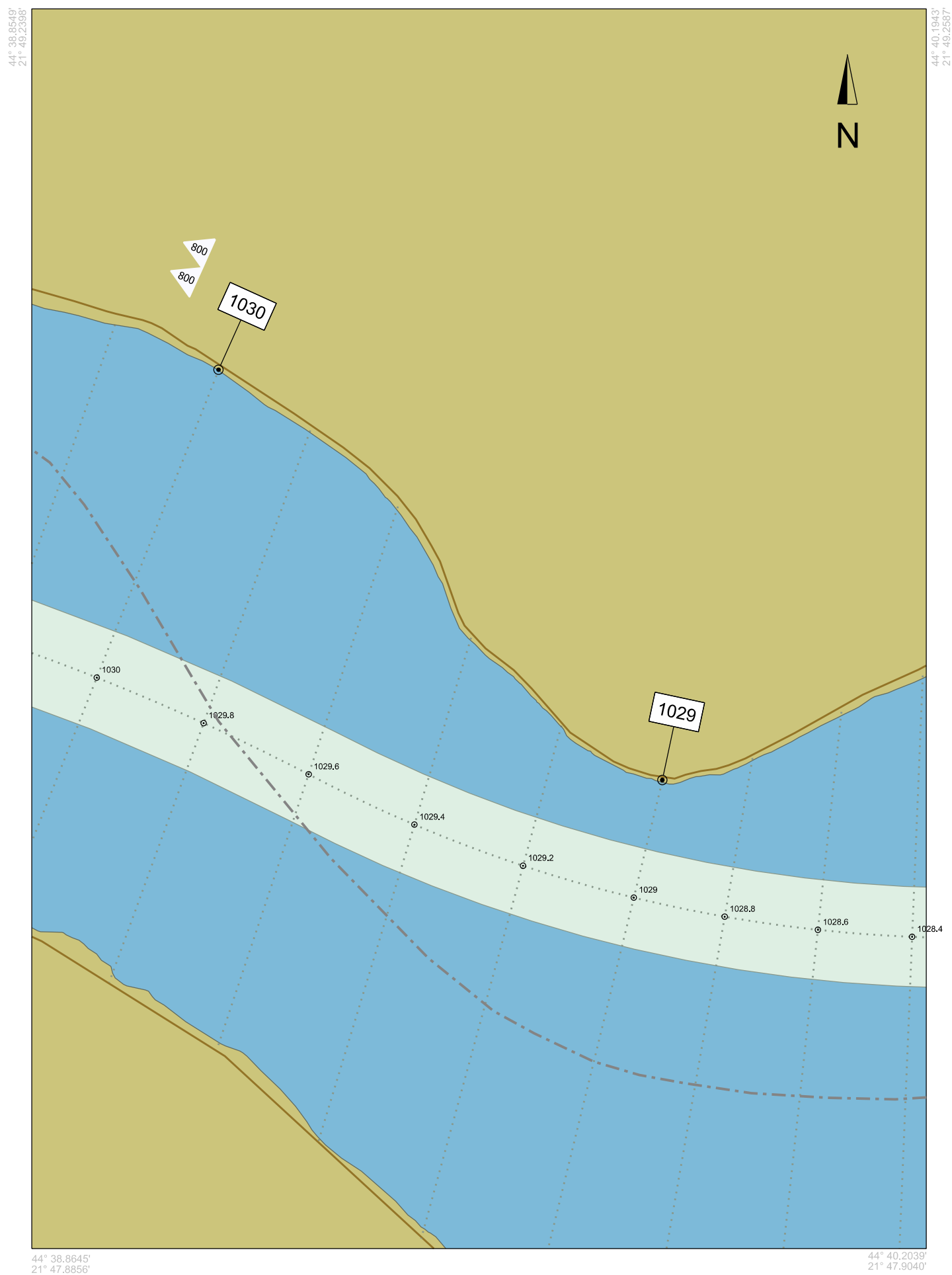
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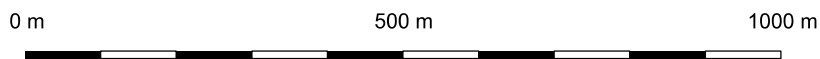
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44° 38.8738'
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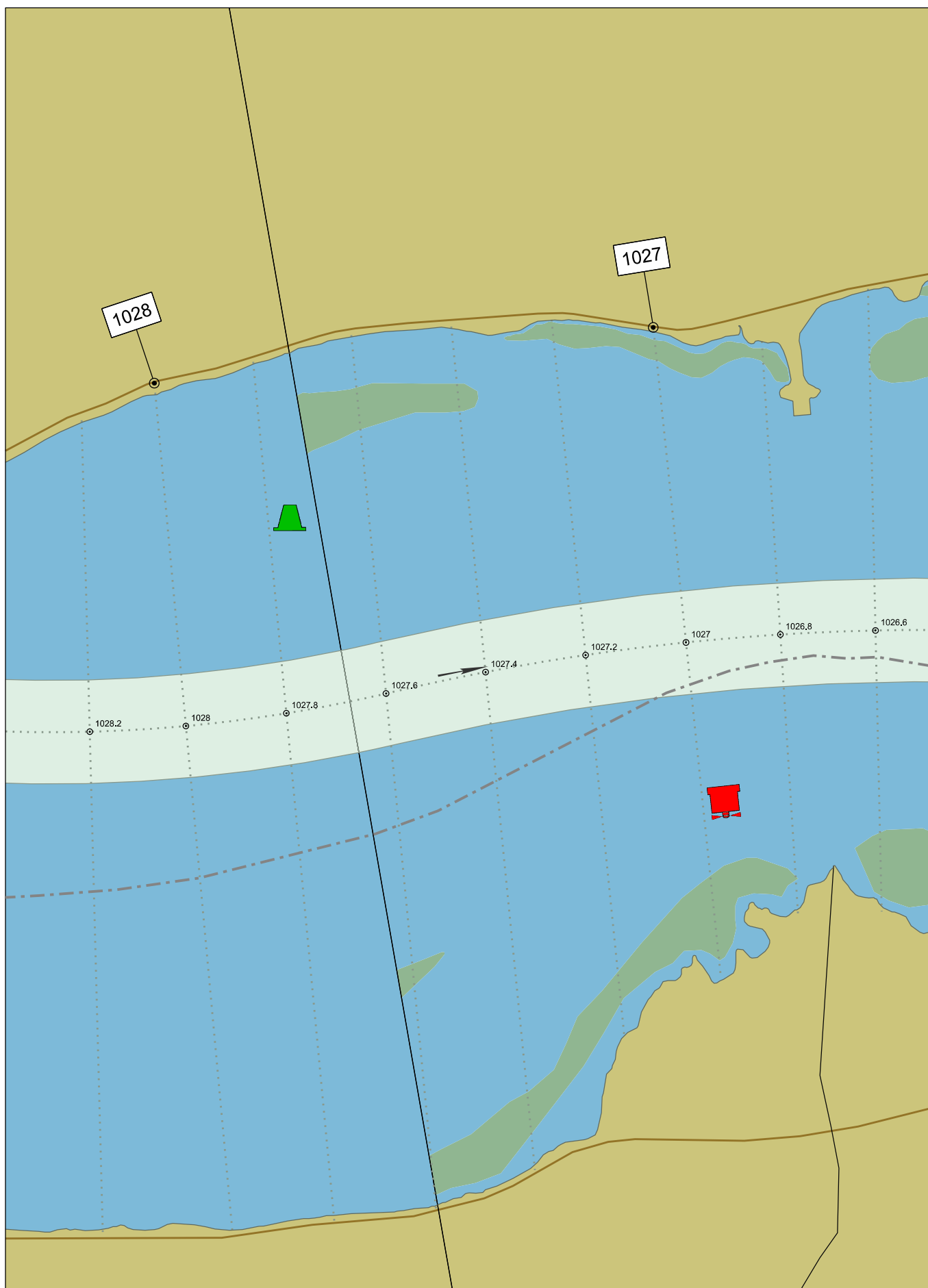
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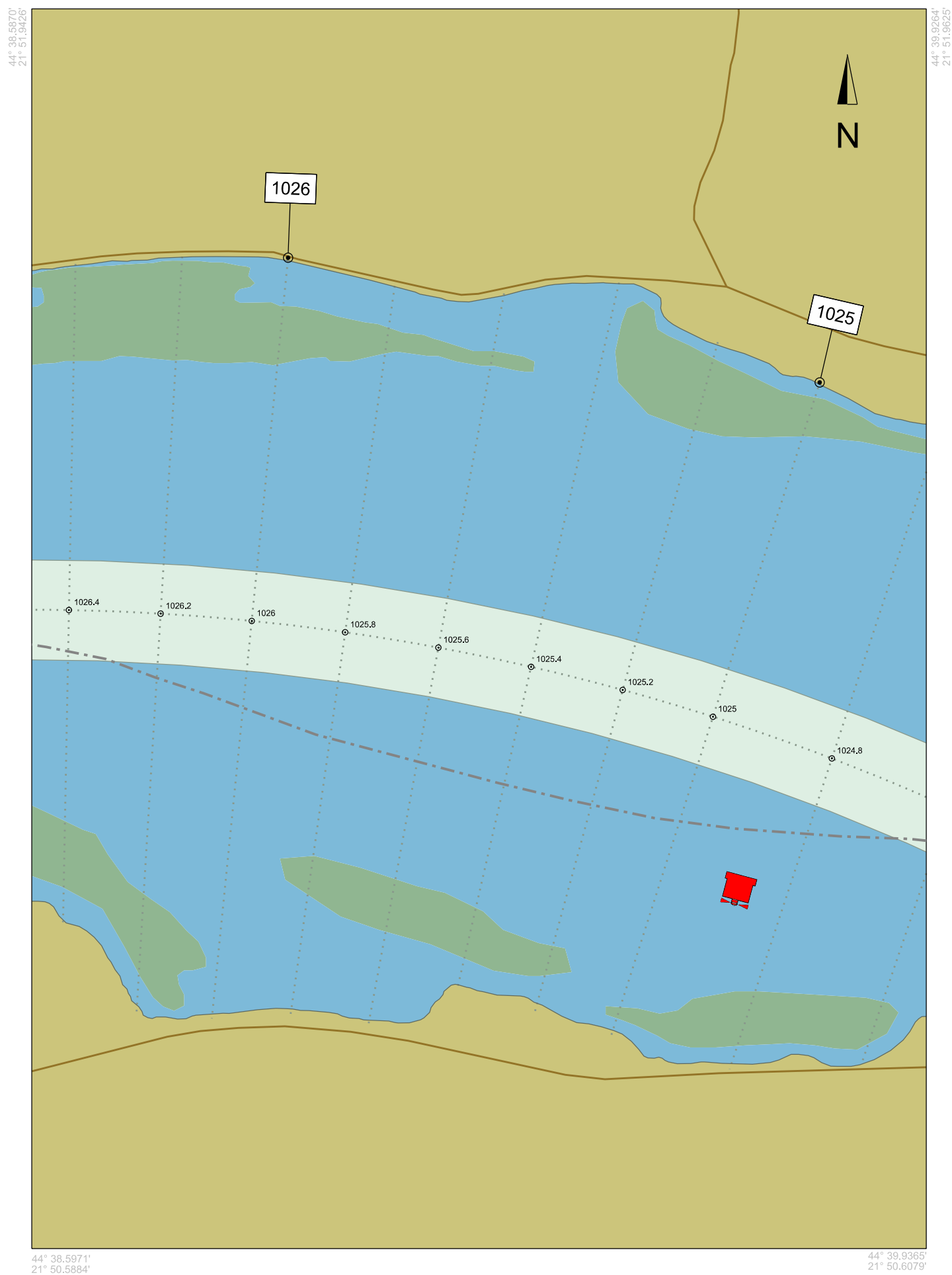
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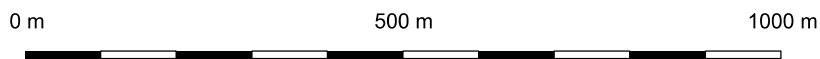
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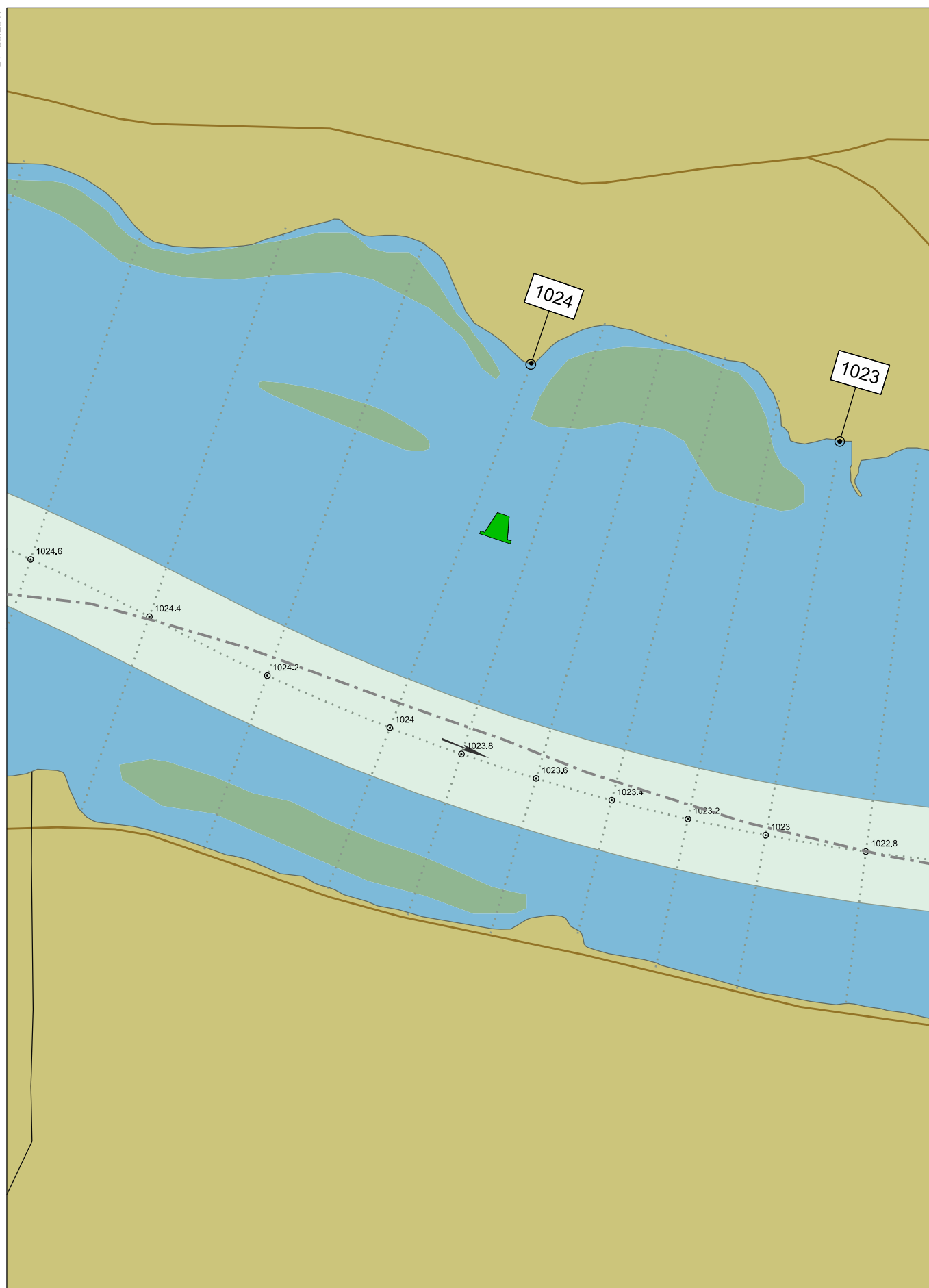
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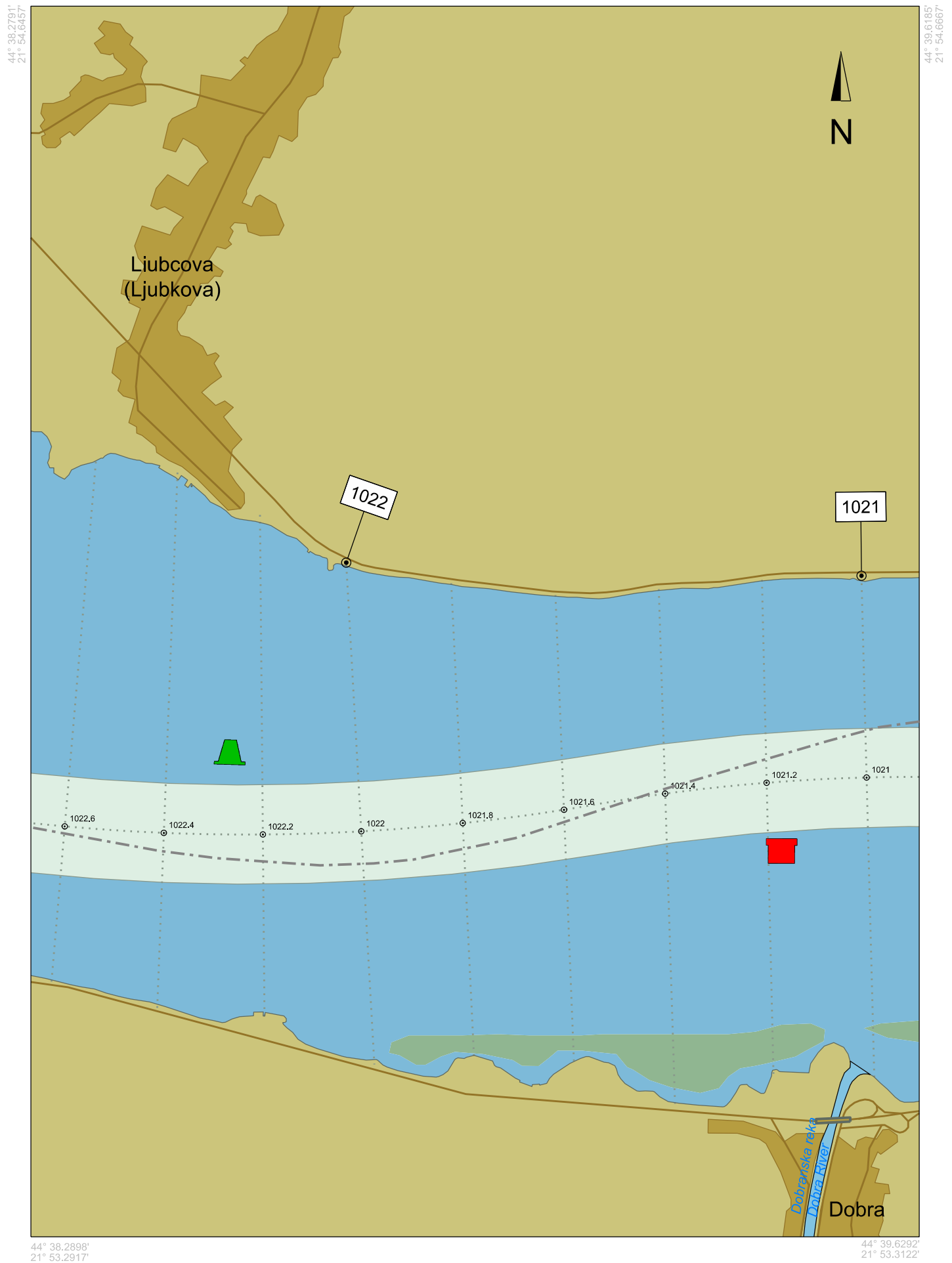
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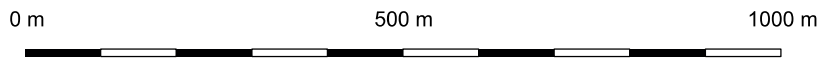
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44° 38.3002'
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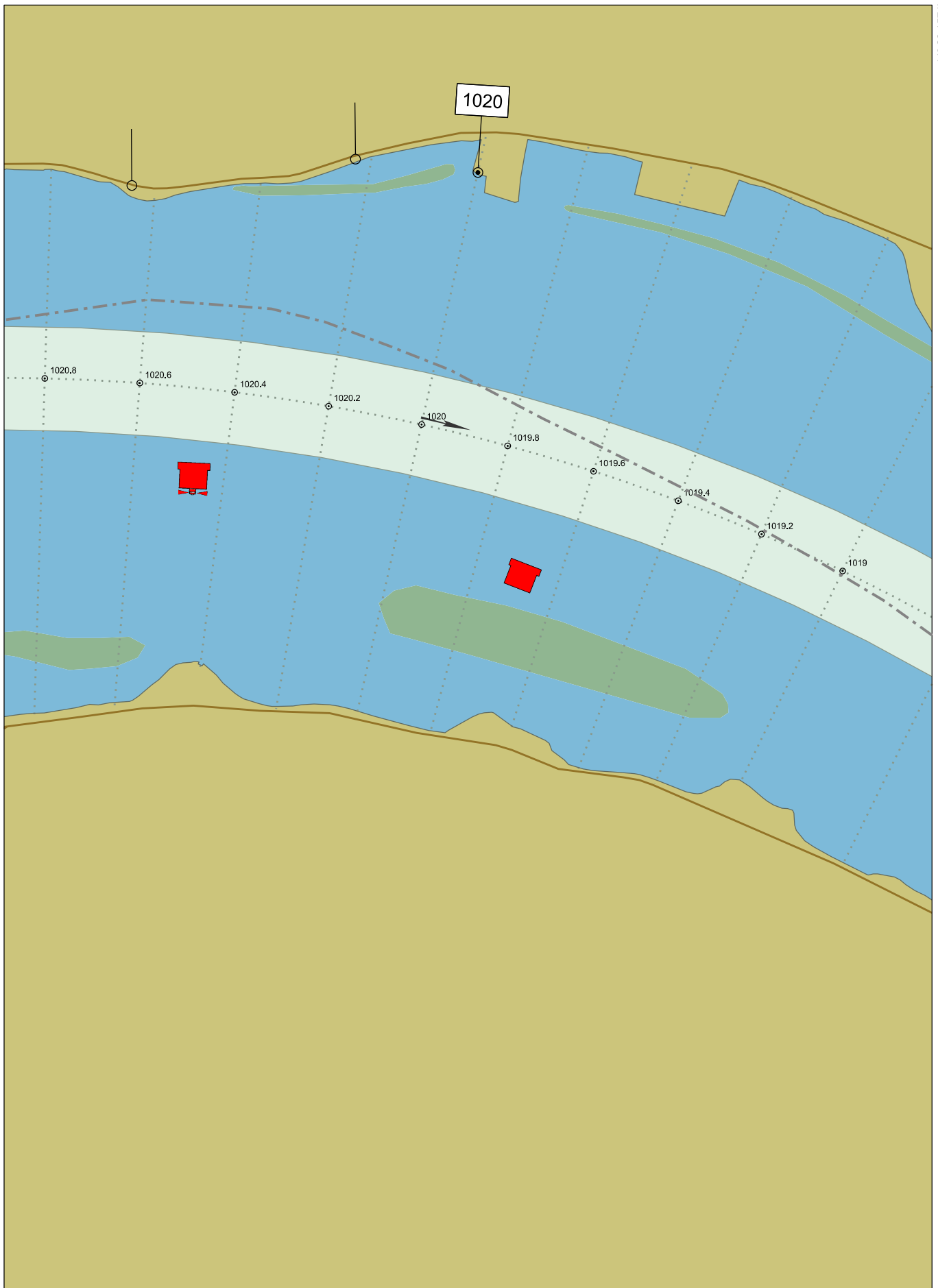
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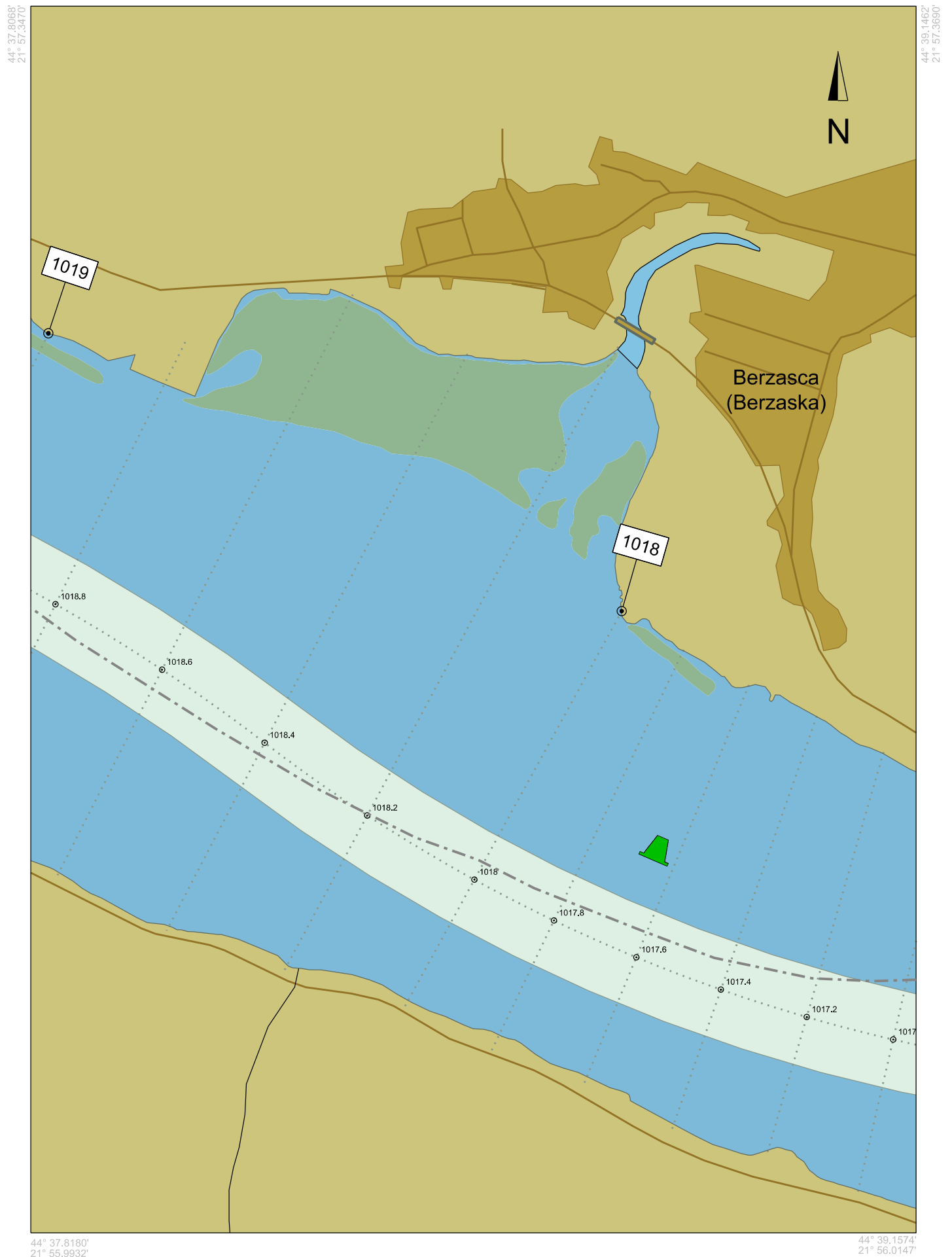
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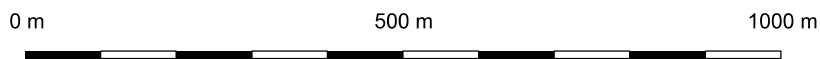
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44° 37.8289'
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44° 39.1683'
21° 54.6603'





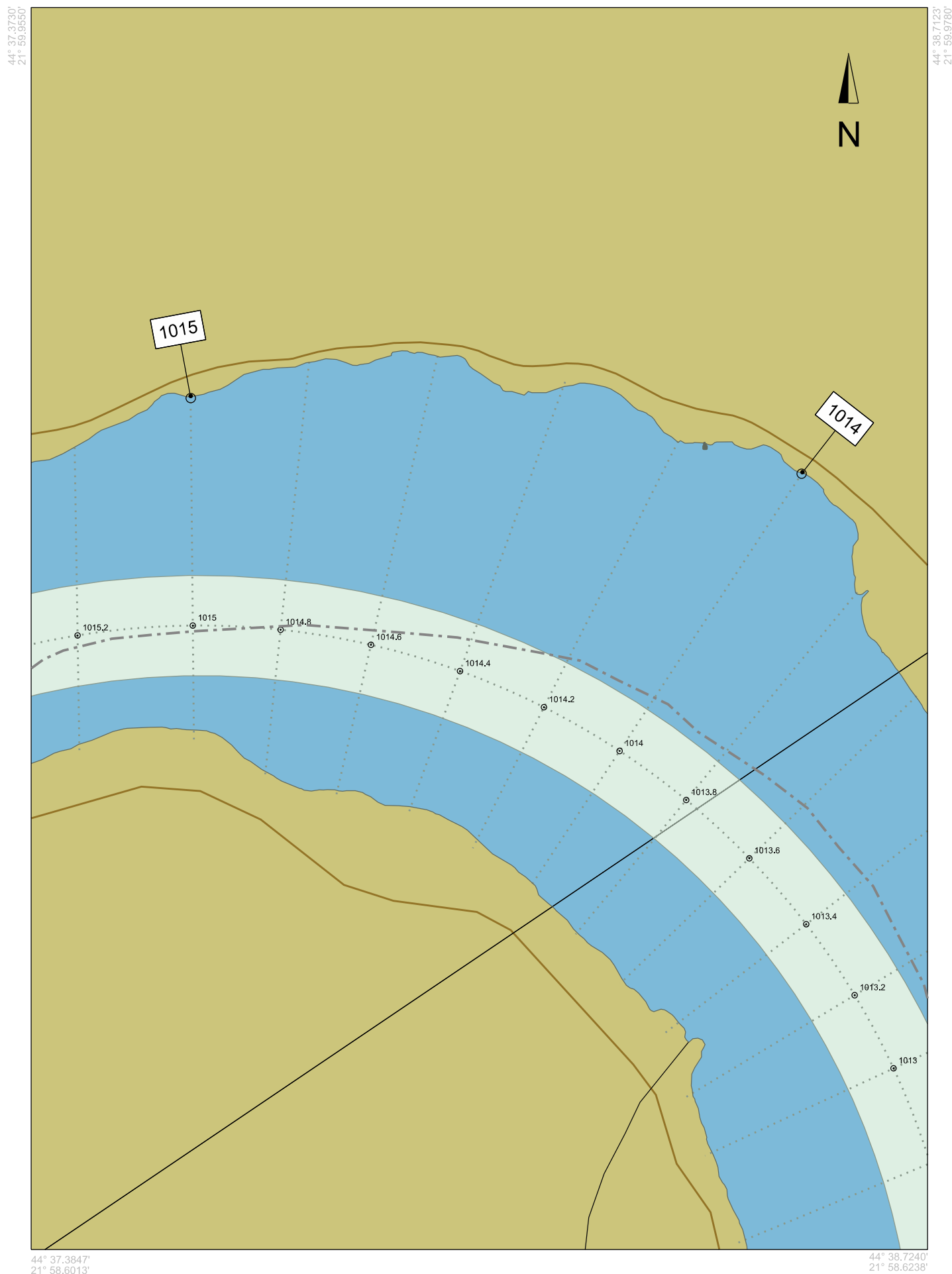
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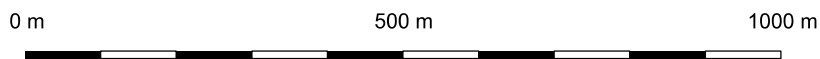
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44° 37.3961'
21° 57.2477'

44° 38.7355'
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44° 37' 06.55"
21° 59' 36.45"

44° 37' 04.90"
22° 1' 23.97"

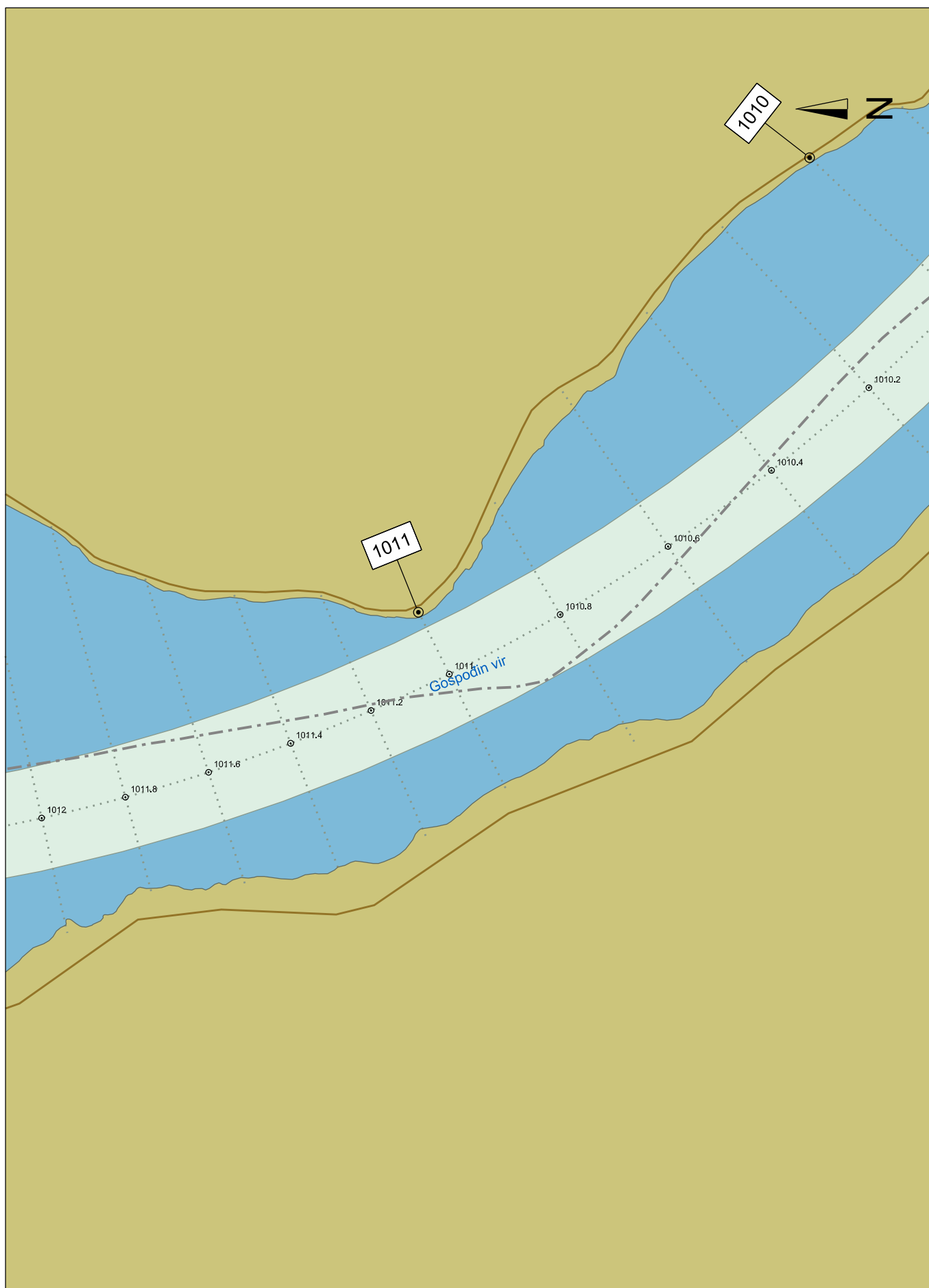


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44° 38' 01.57"
22° 1' 25.67"

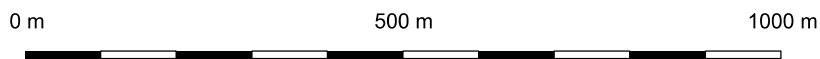
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44° 37.0655'
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44° 37.0490'
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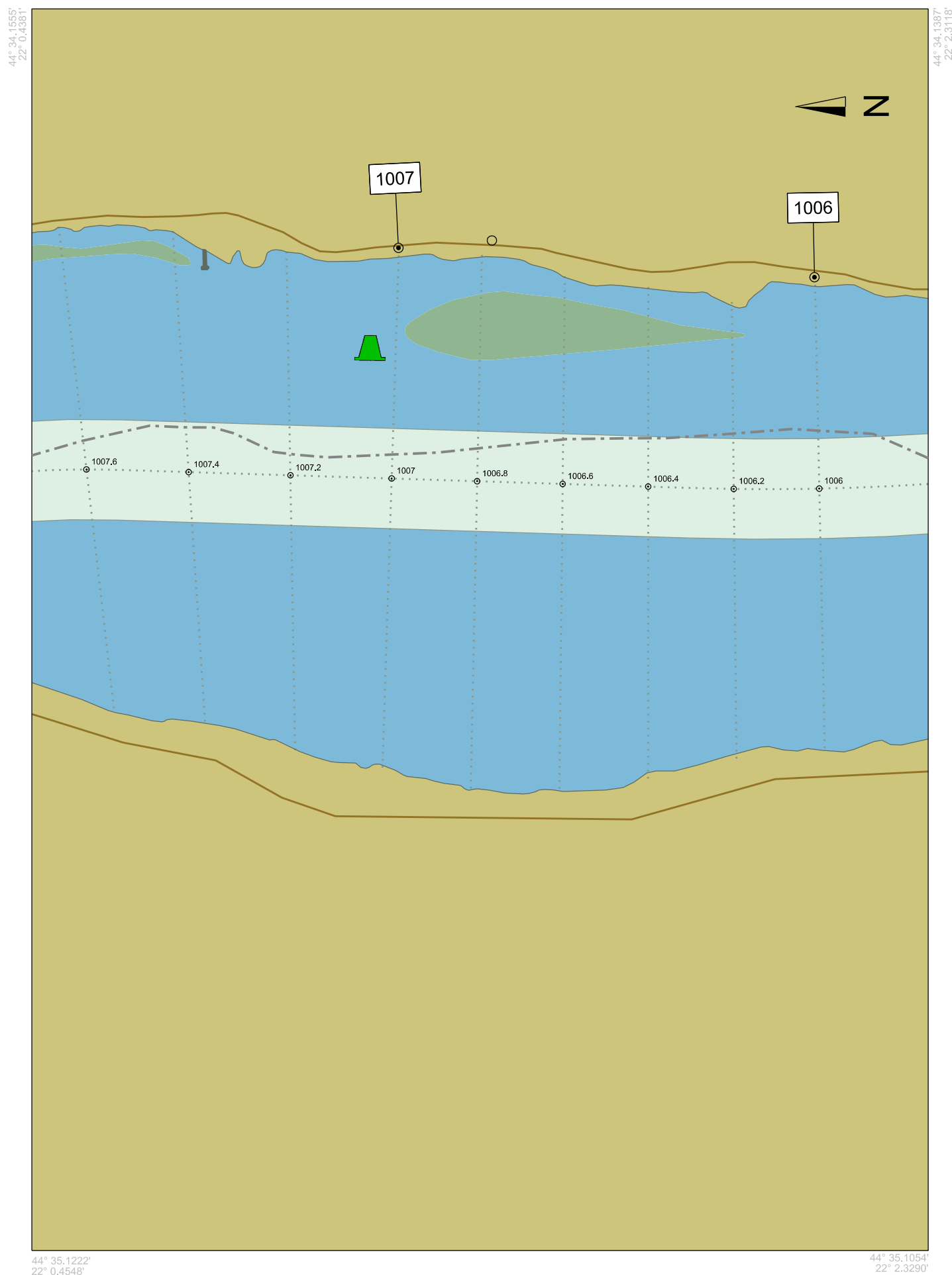
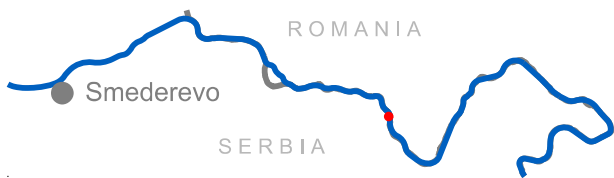
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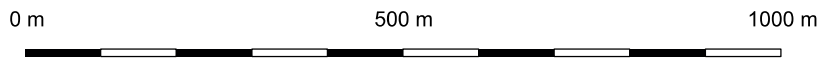
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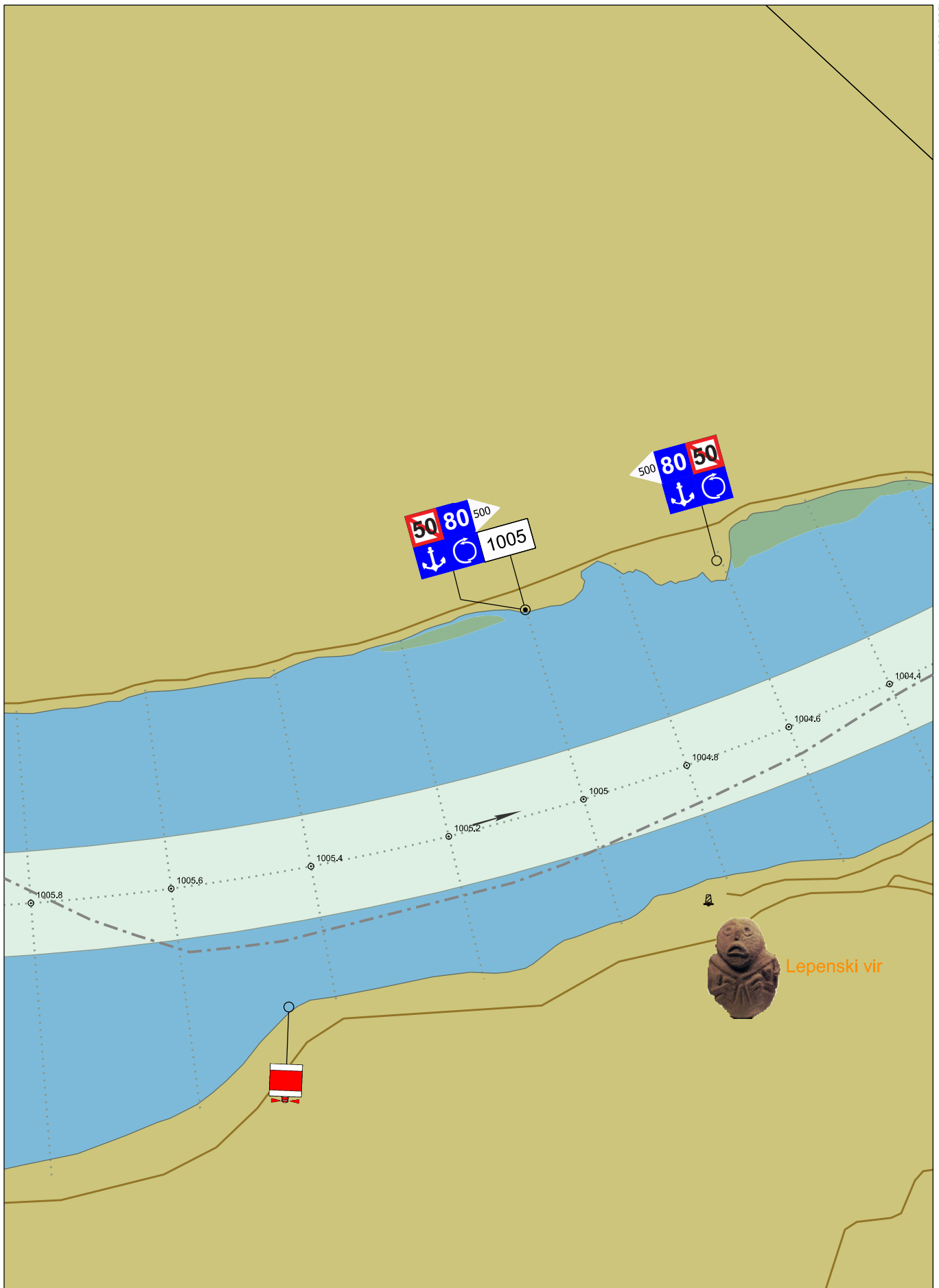
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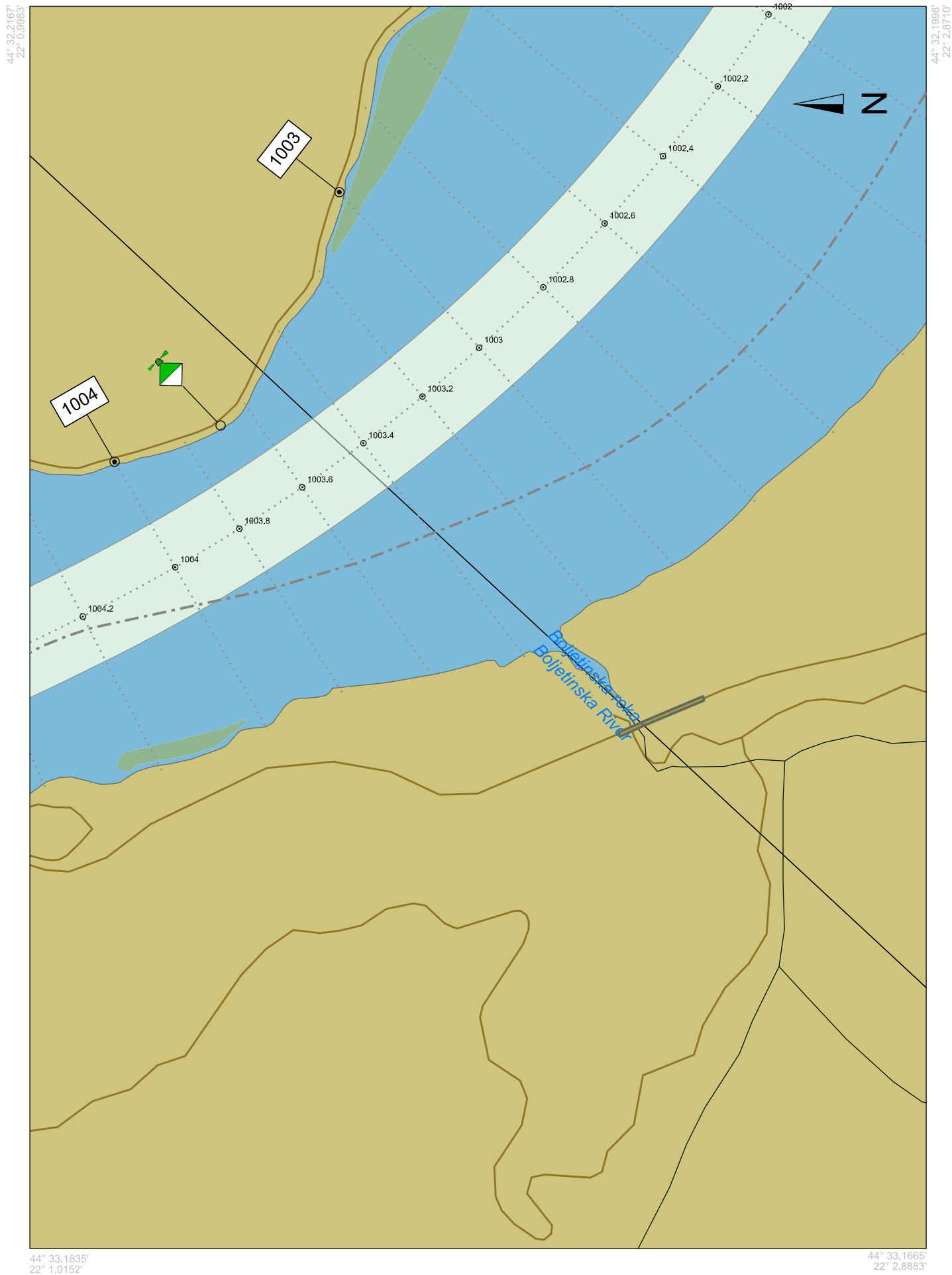
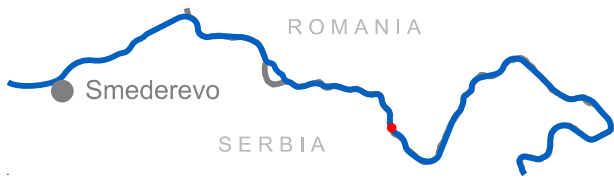
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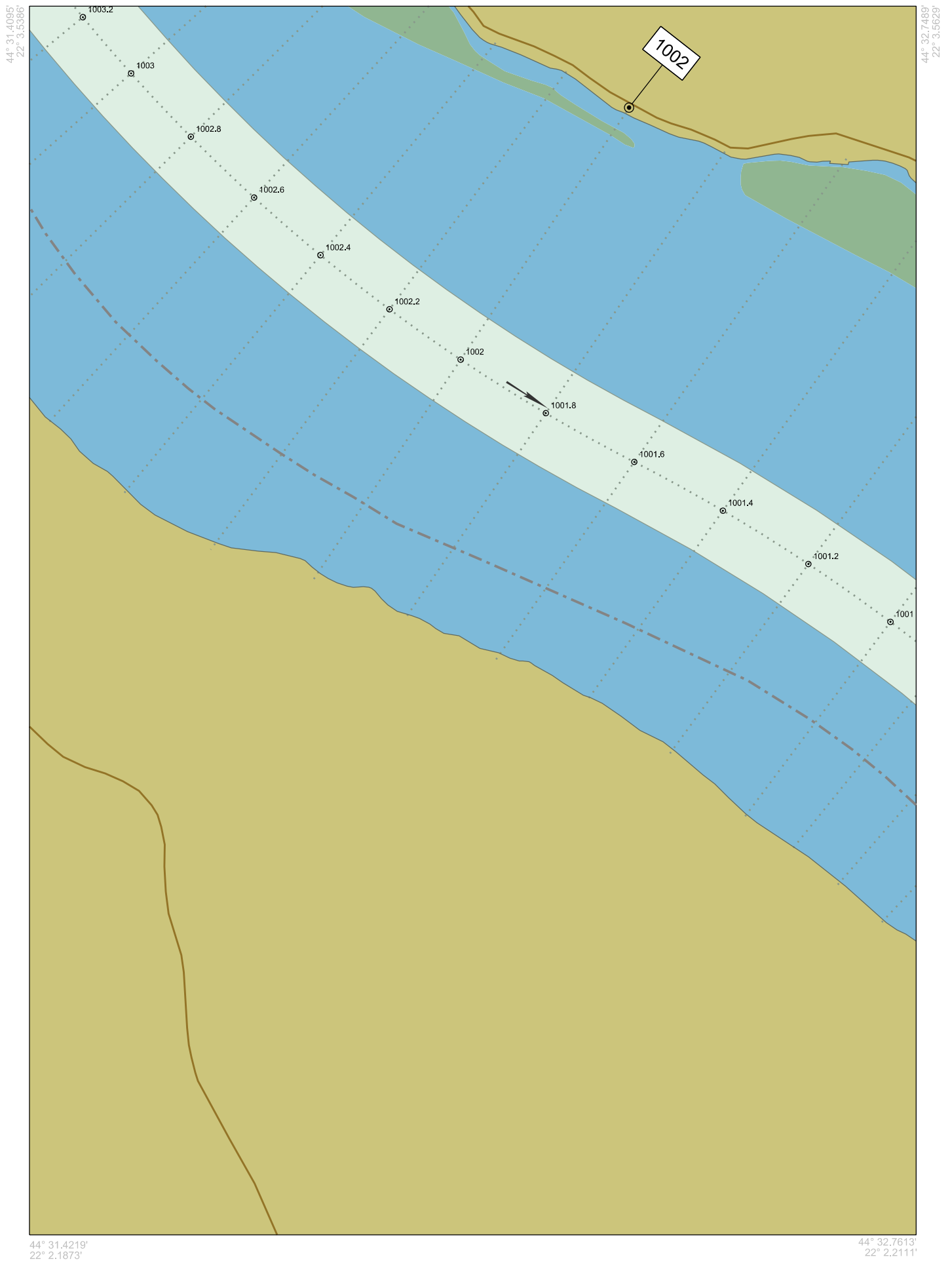
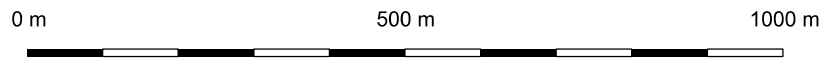
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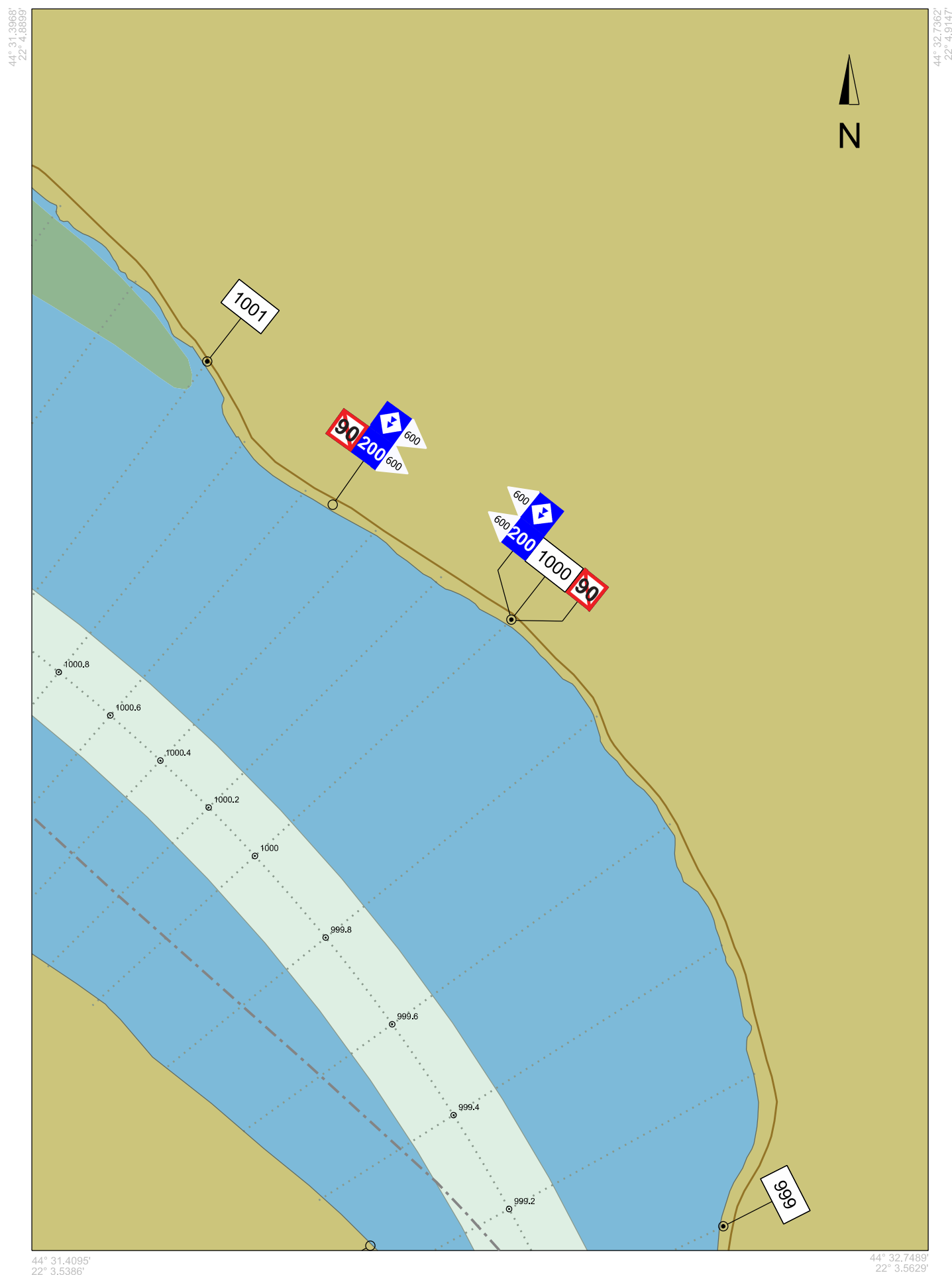
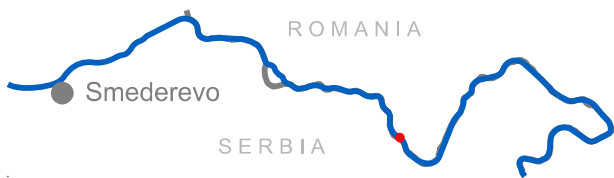


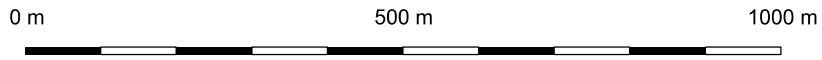
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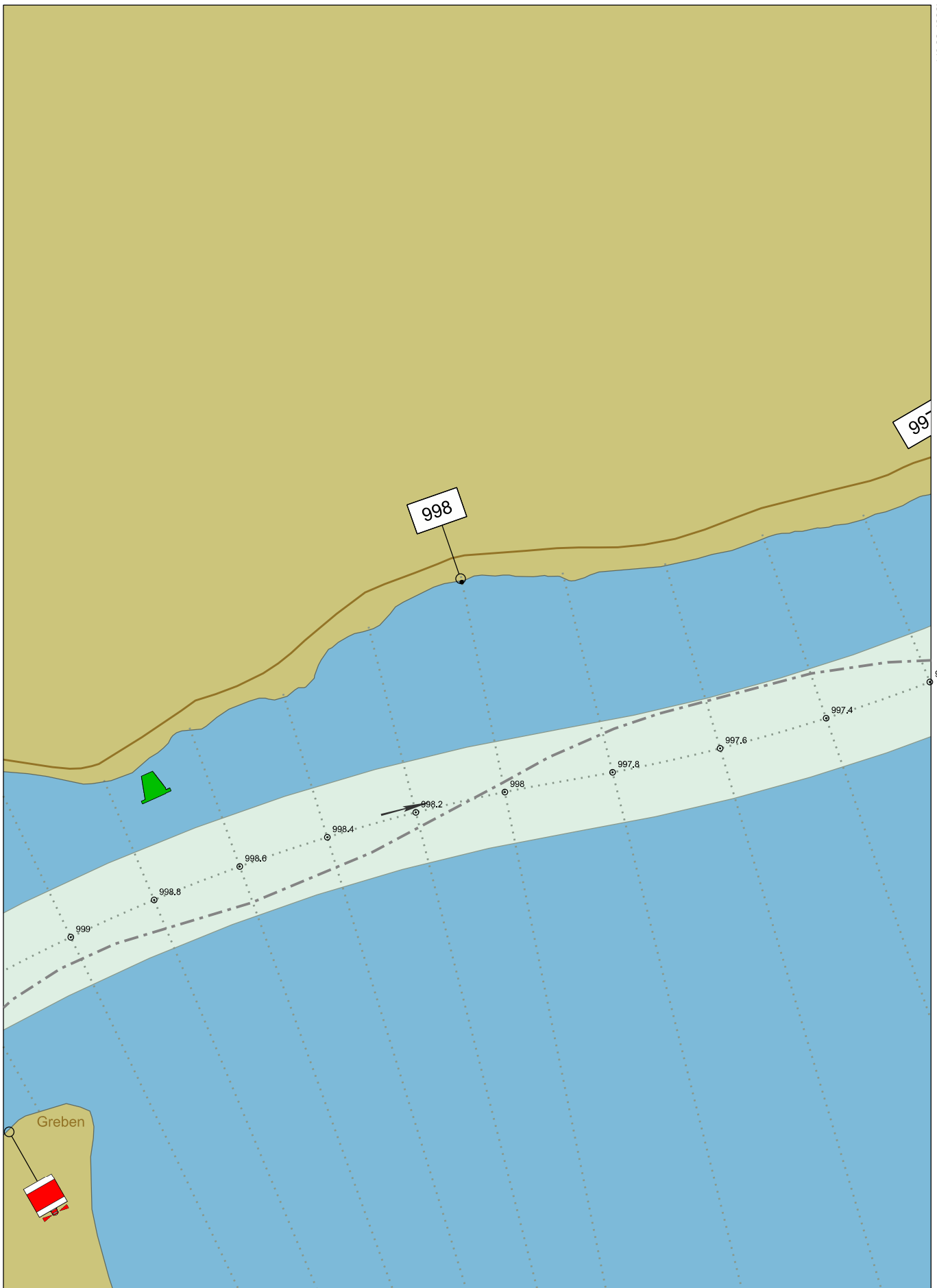






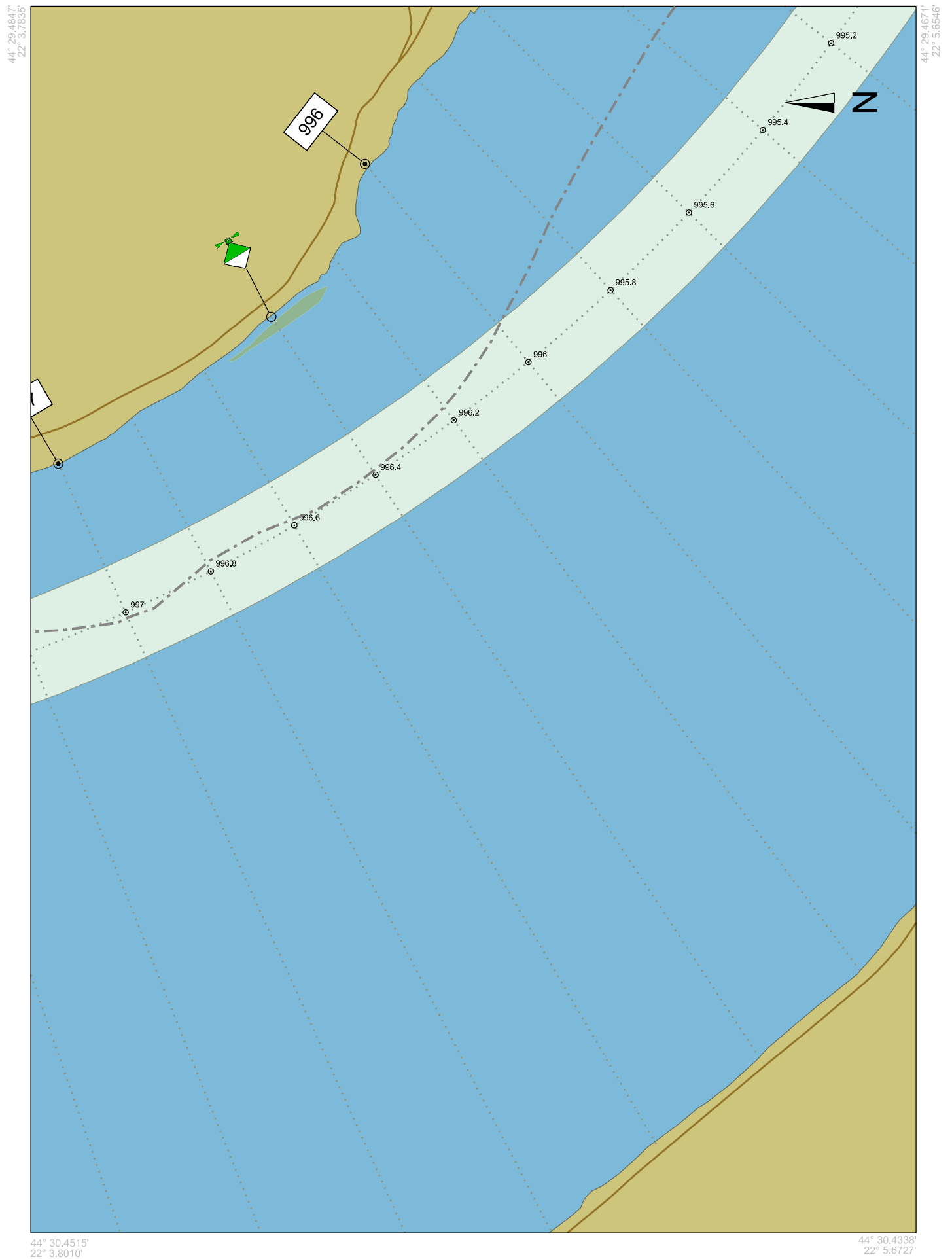
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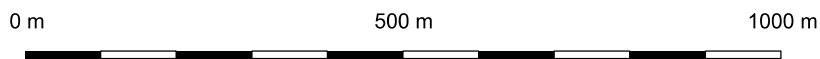
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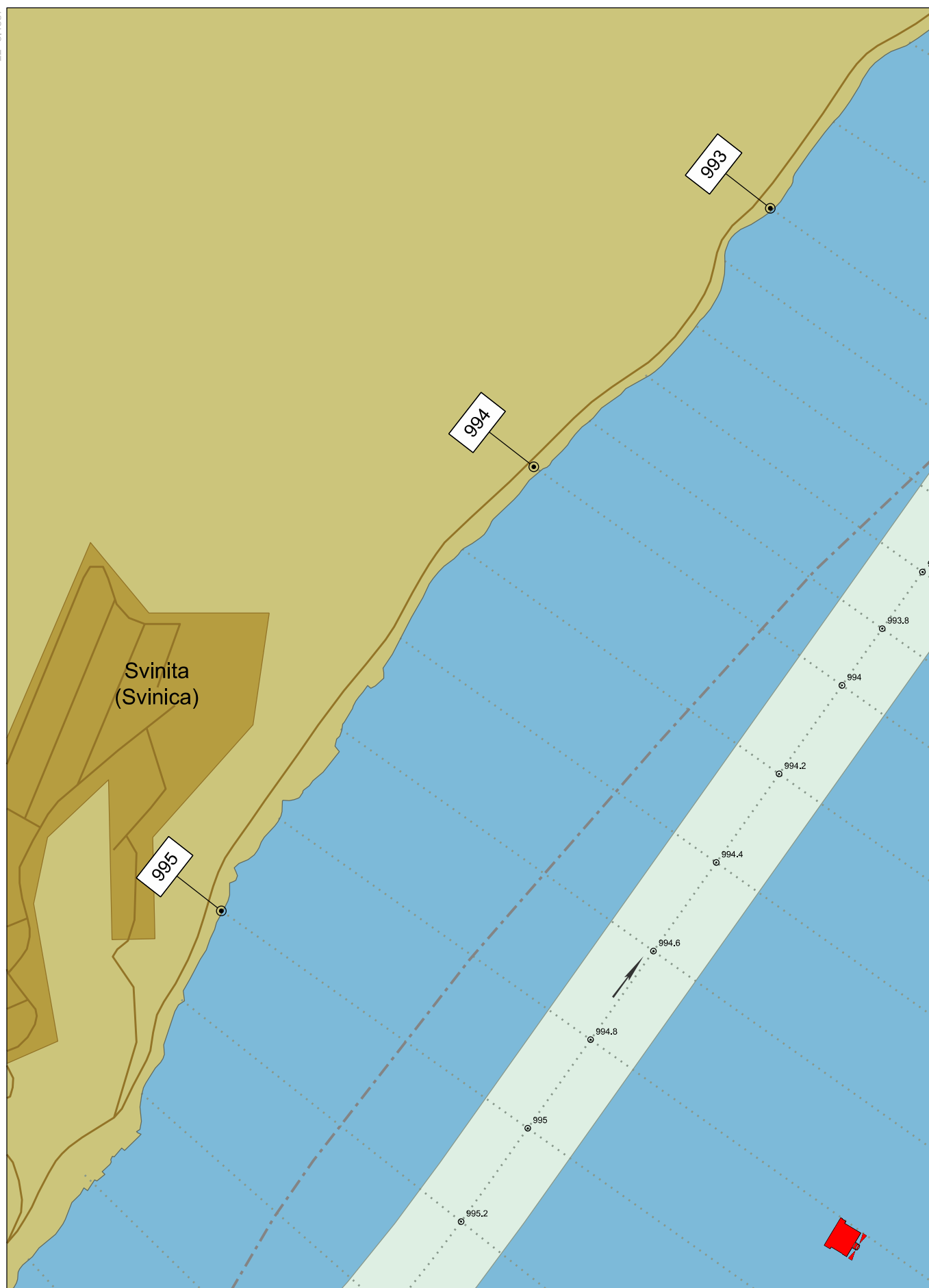
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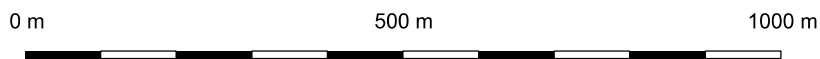
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44° 30.0353'
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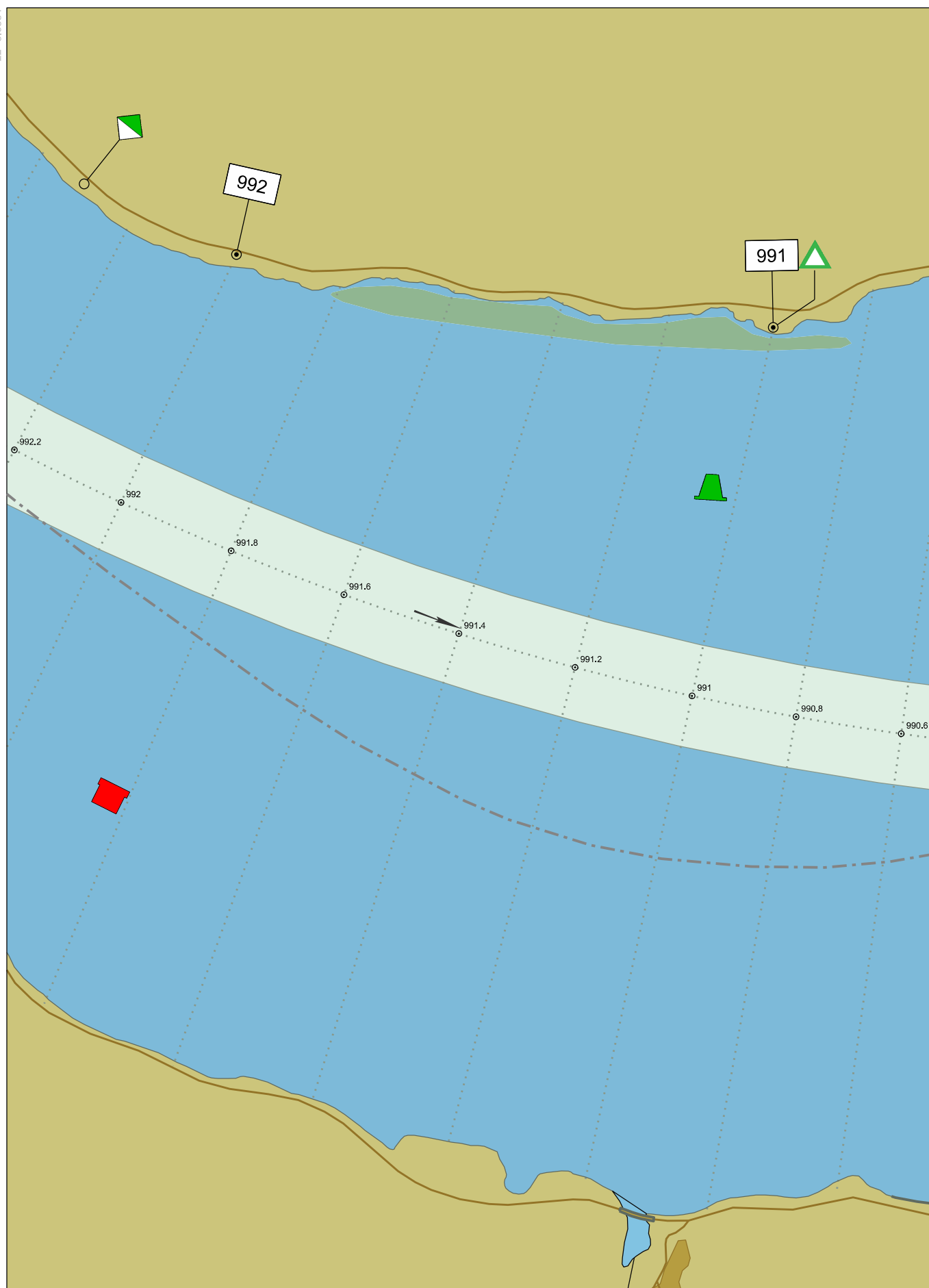
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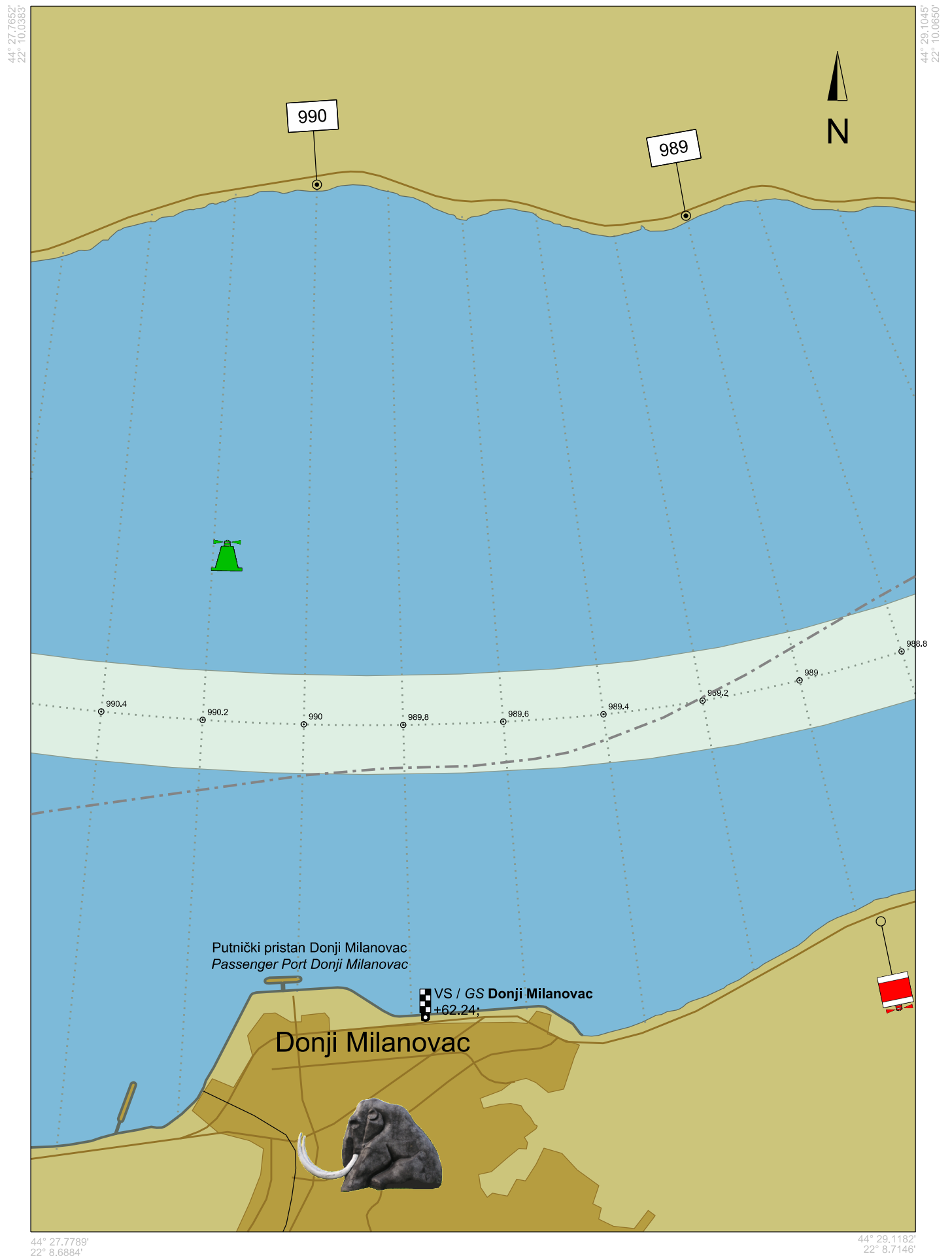
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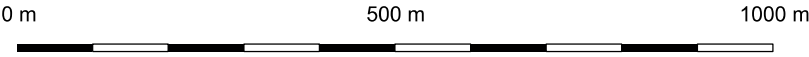
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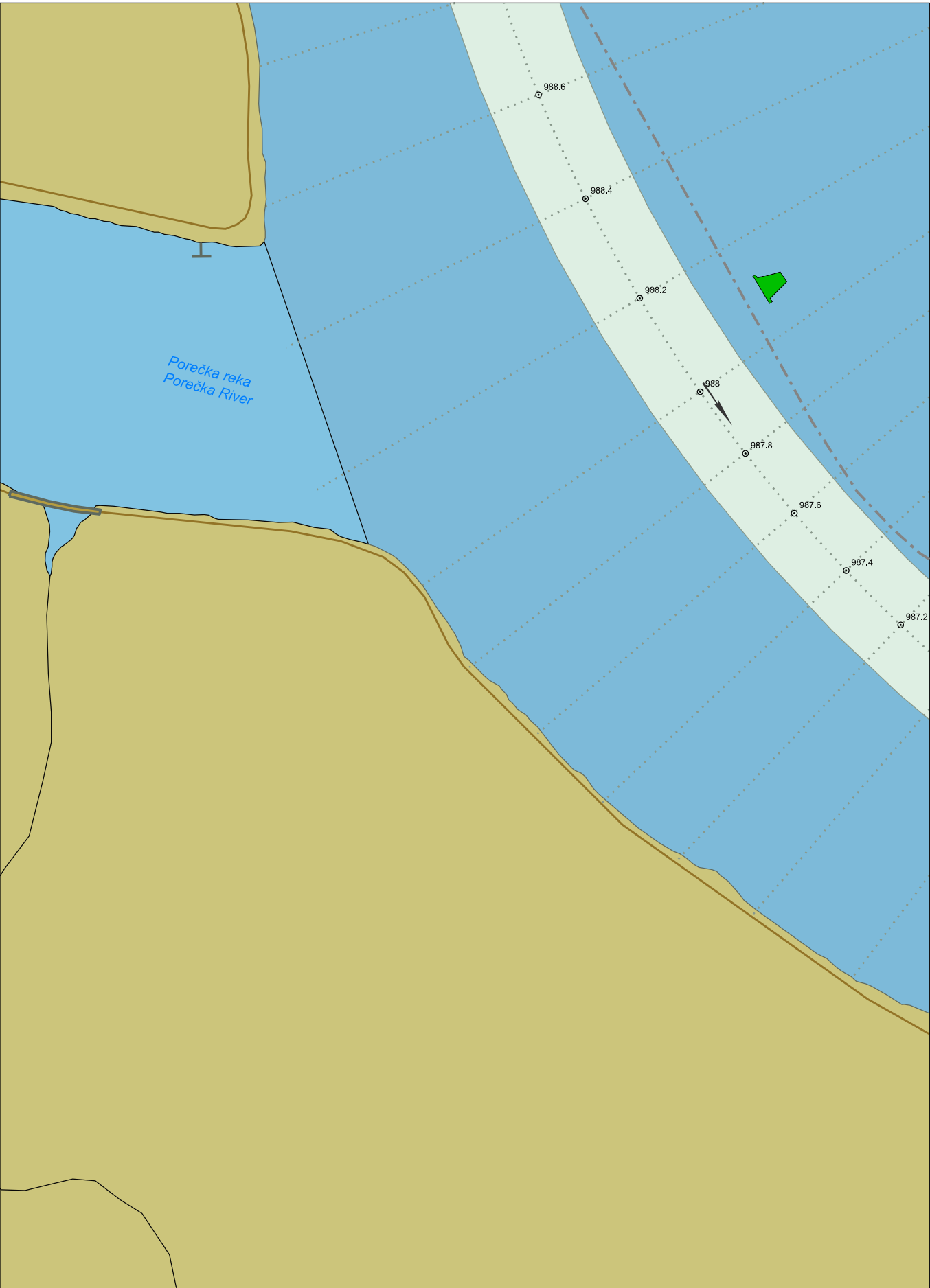
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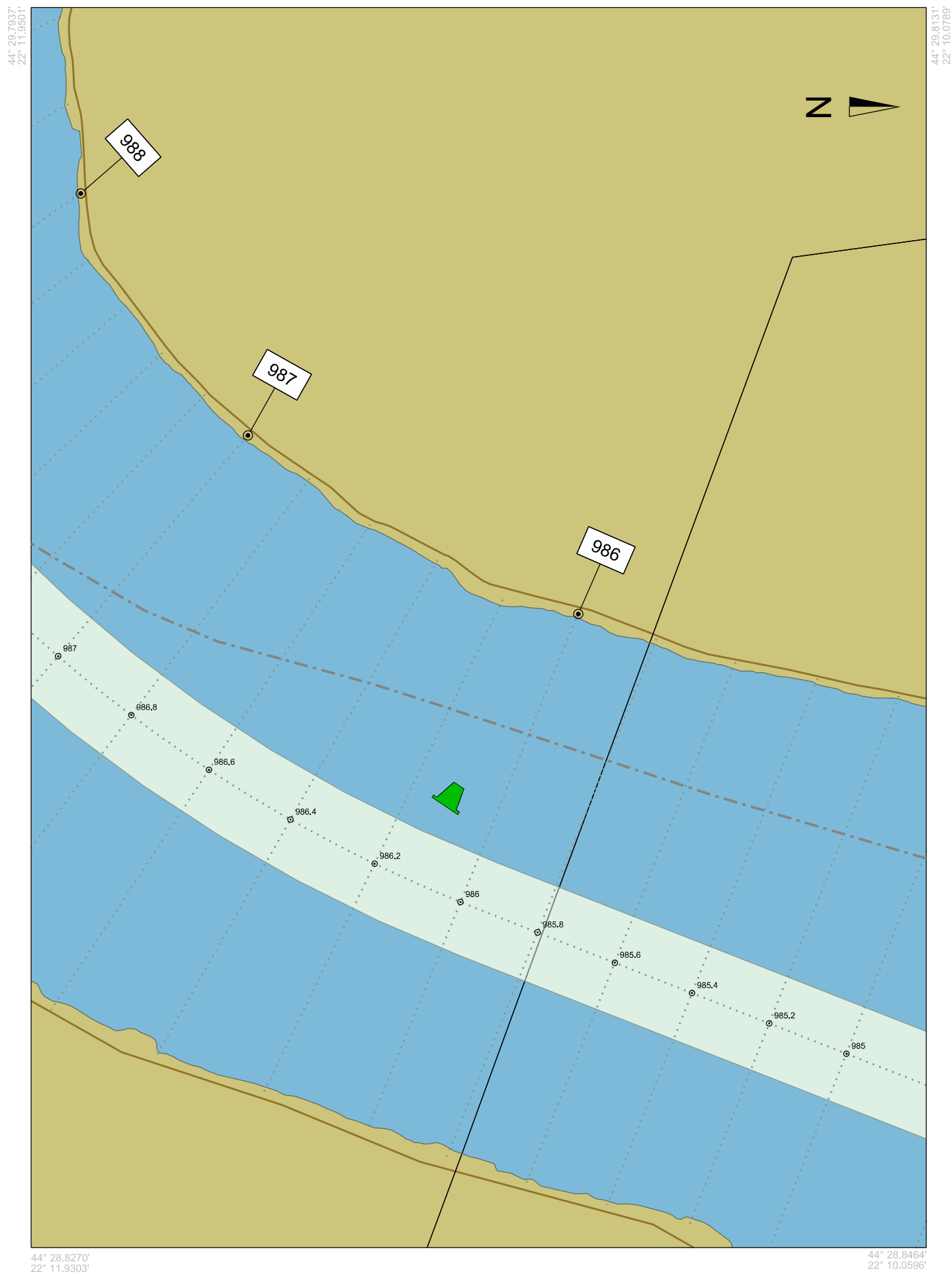
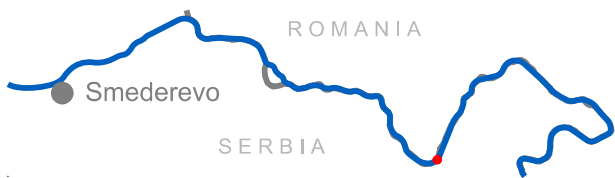
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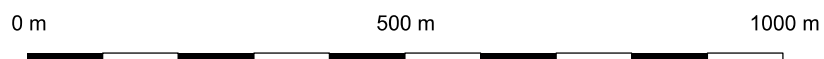
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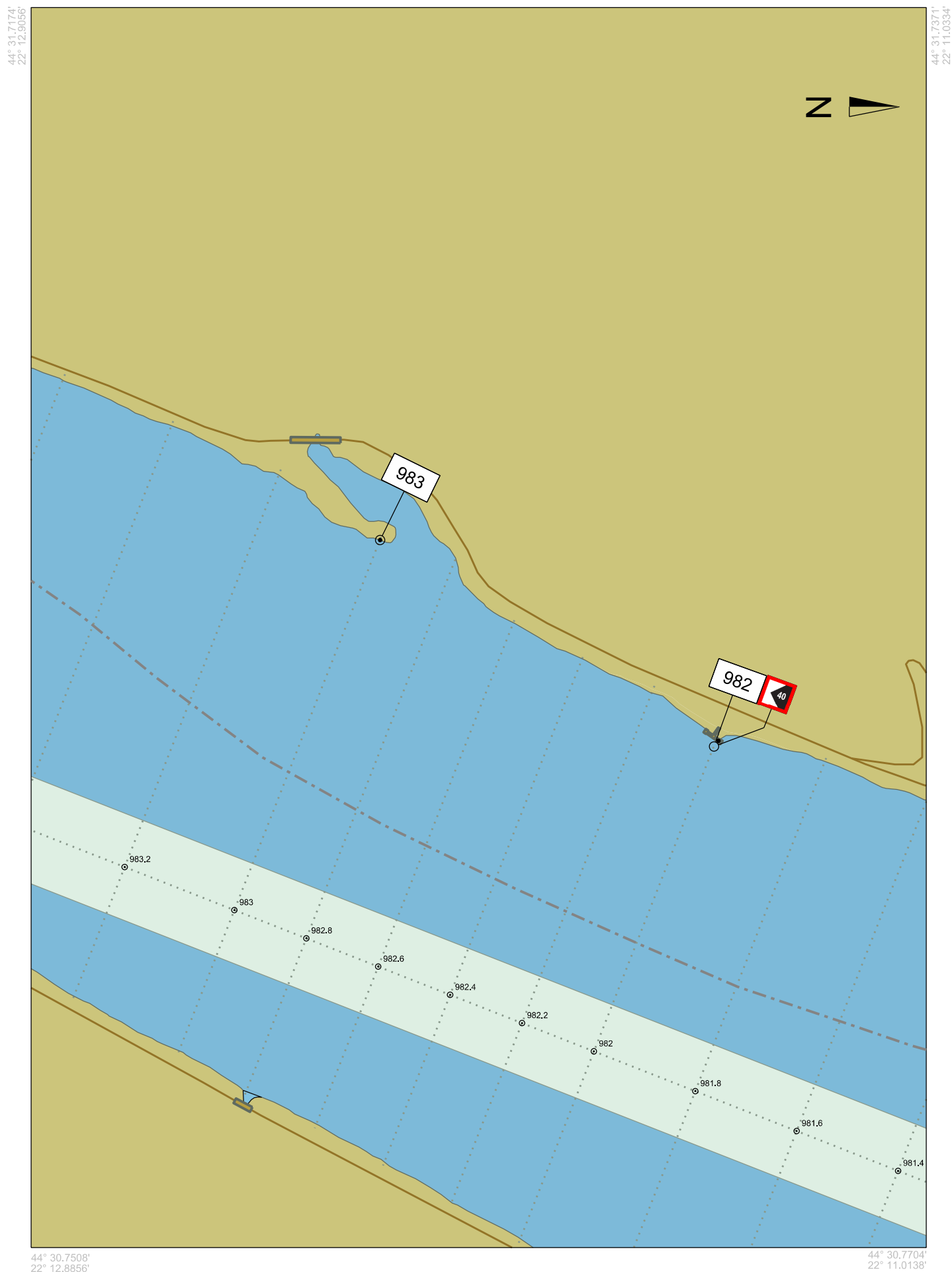


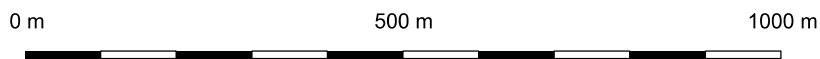
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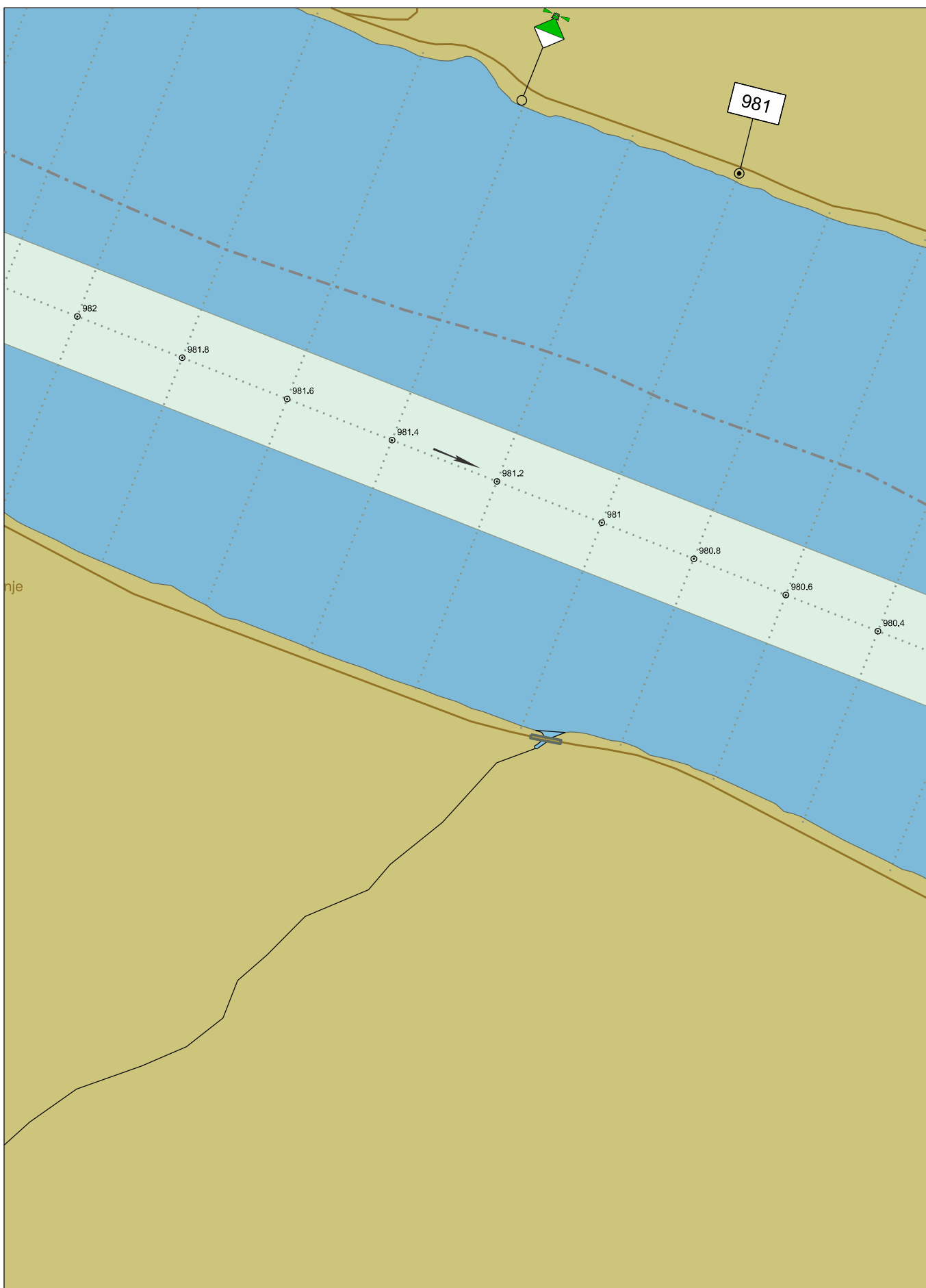






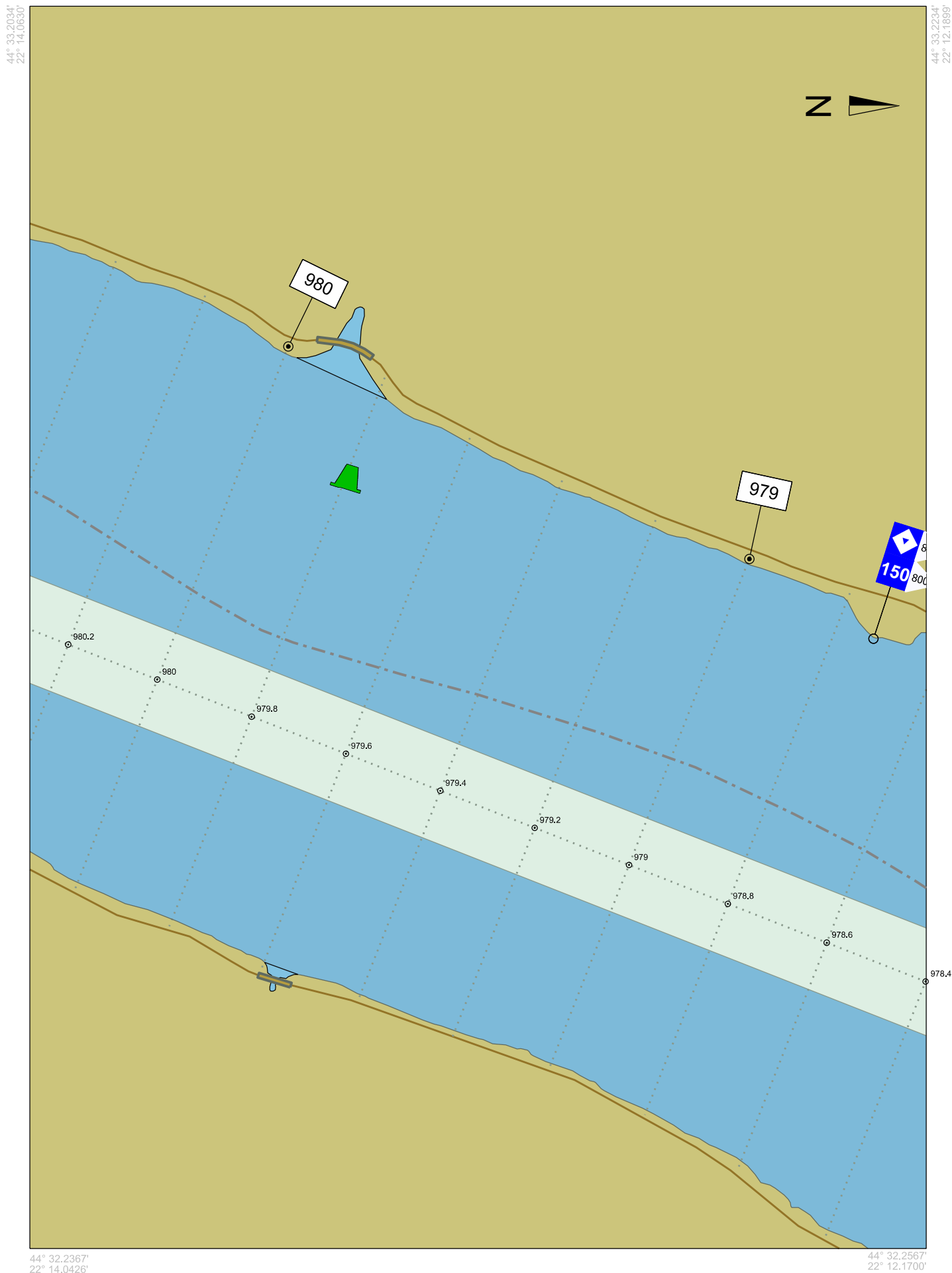
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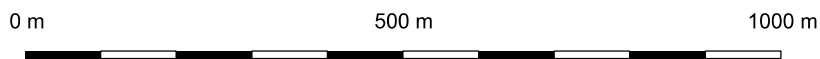
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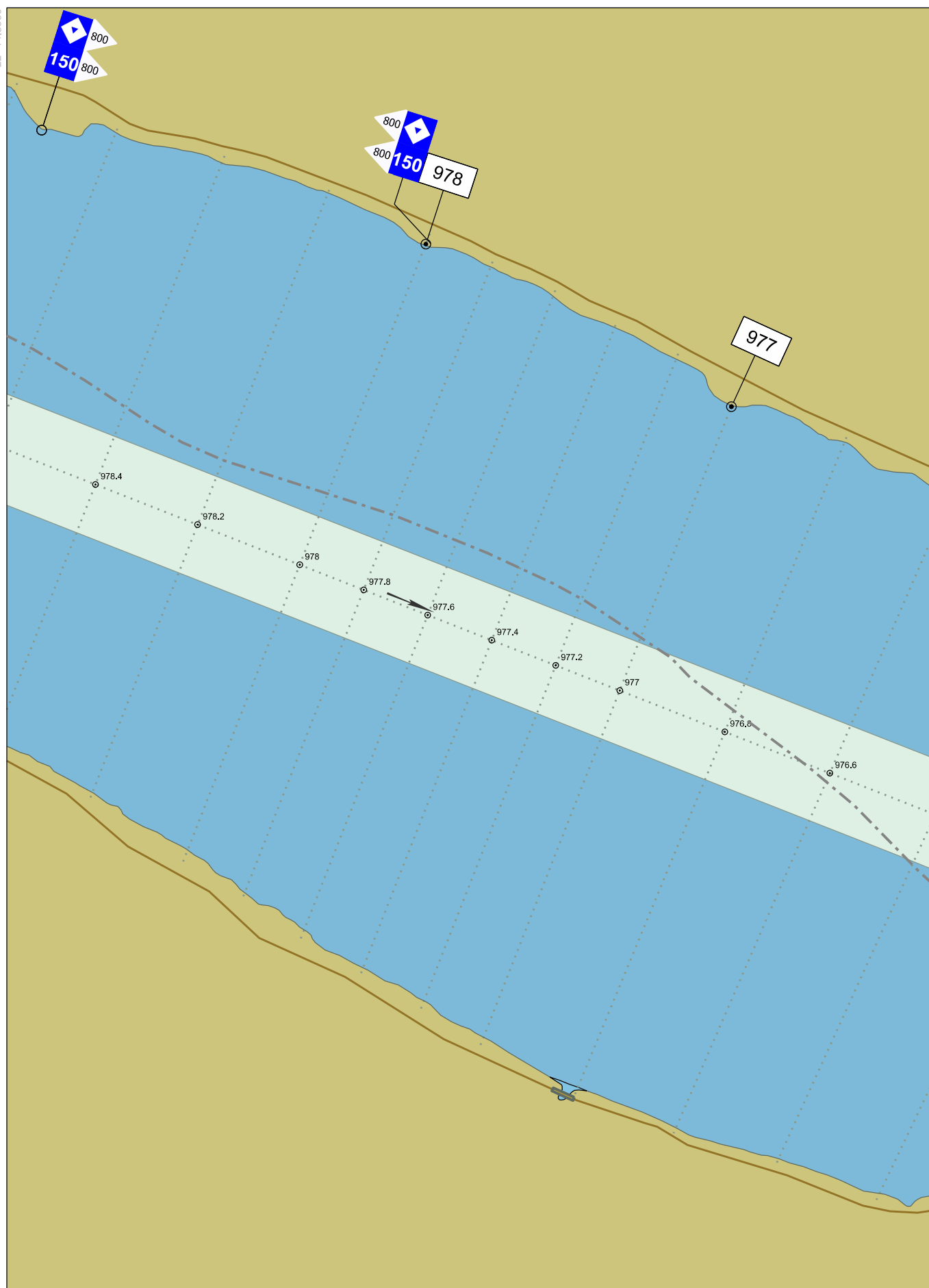
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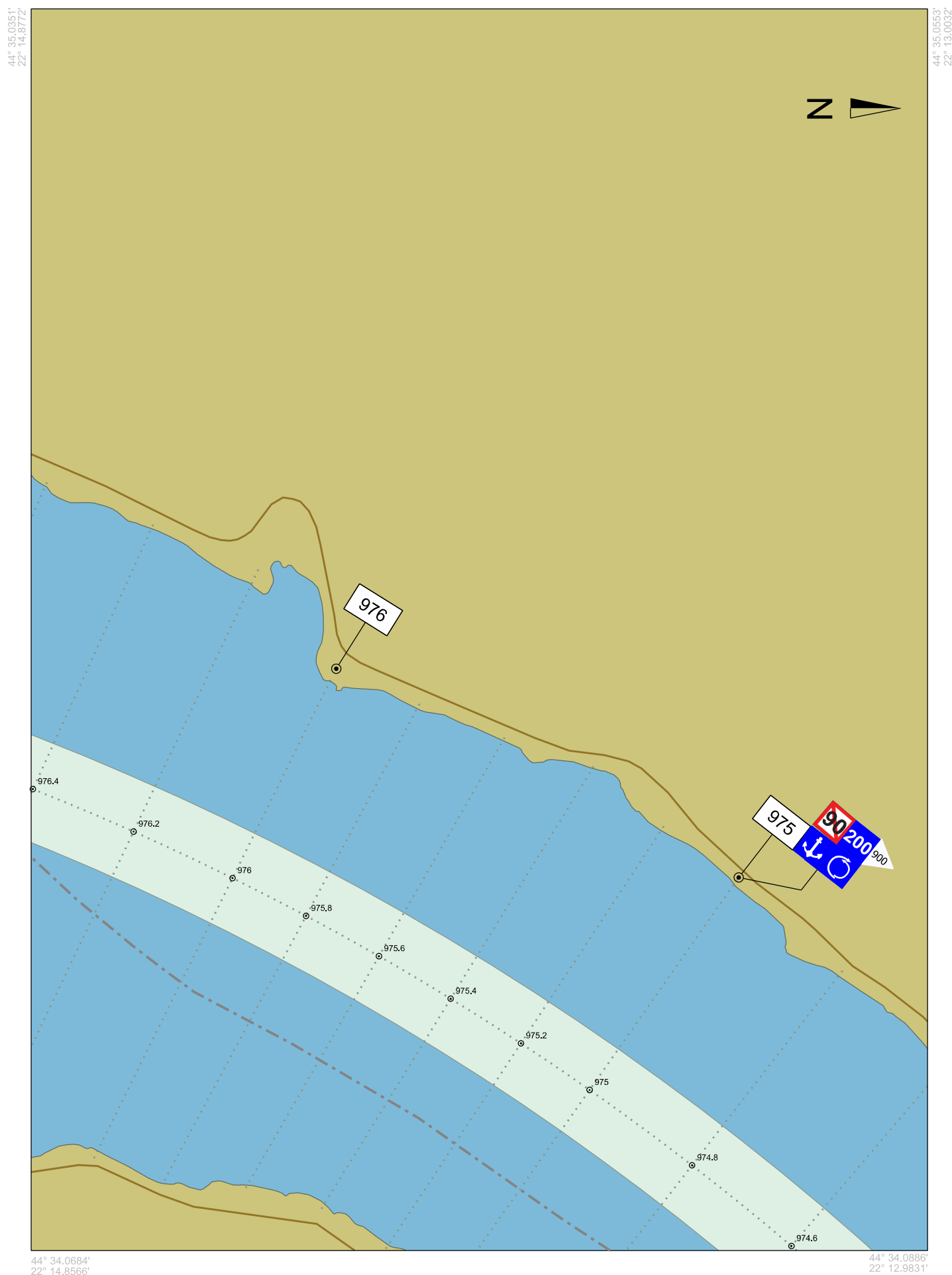
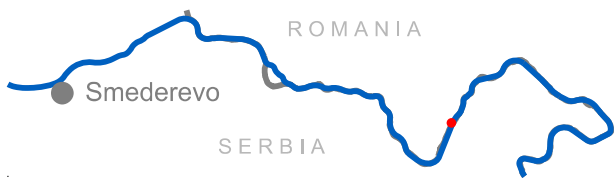
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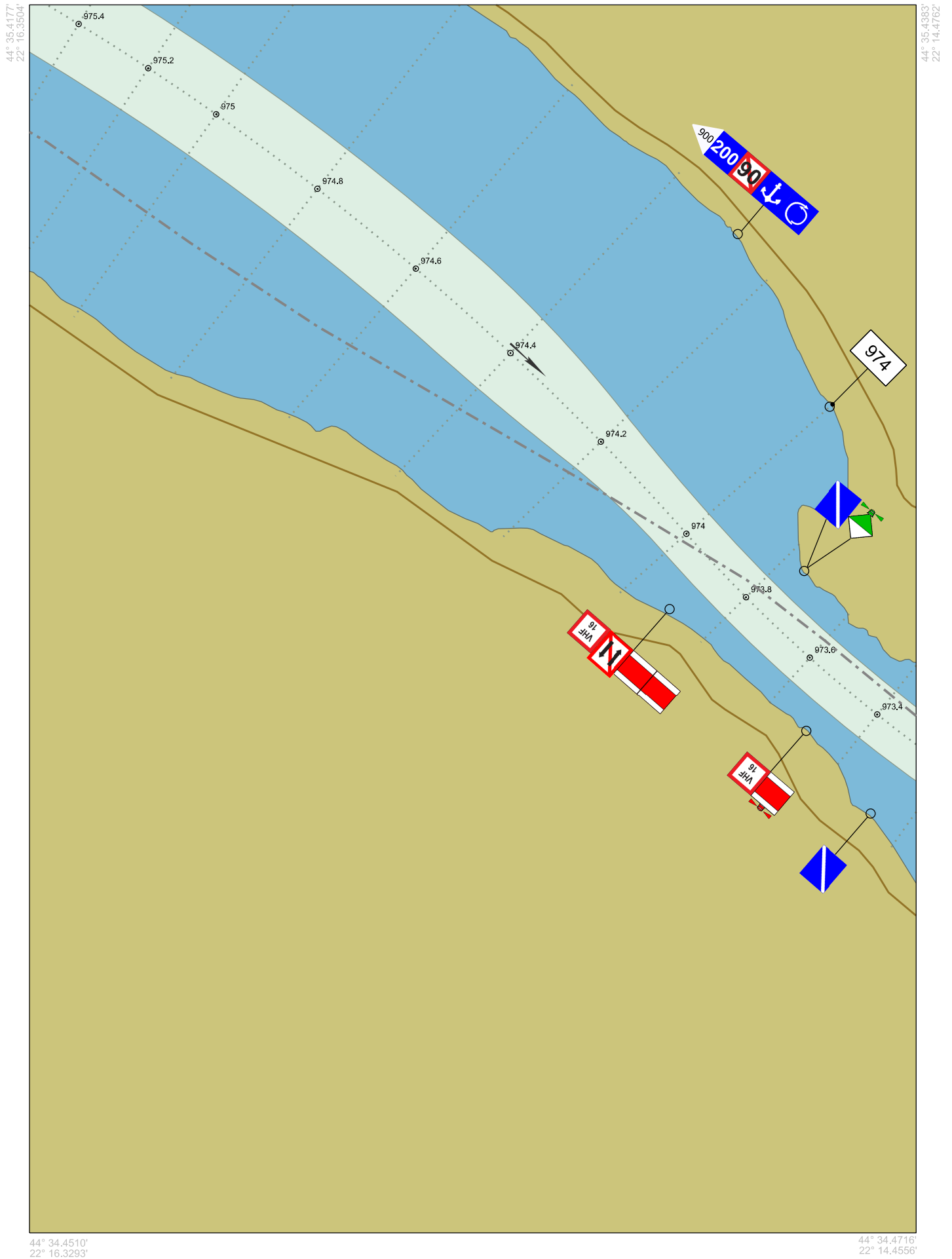
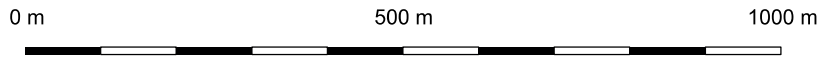
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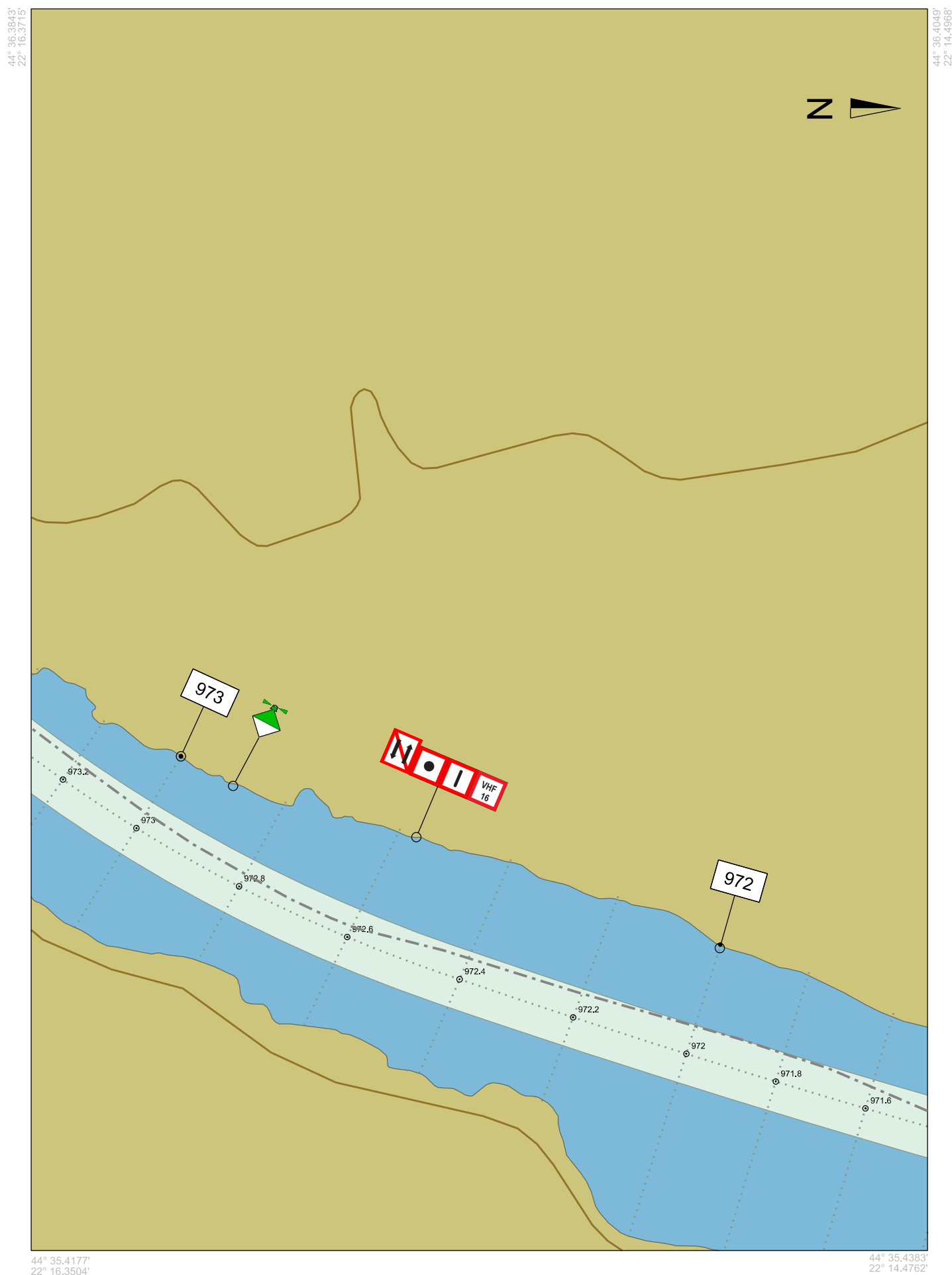
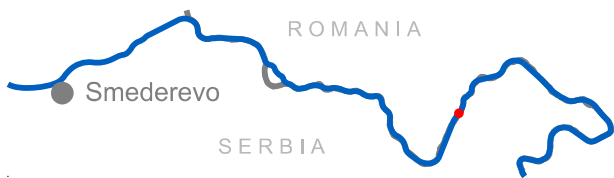


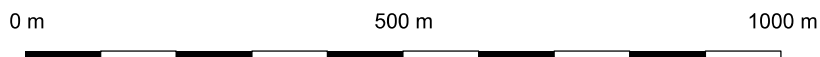
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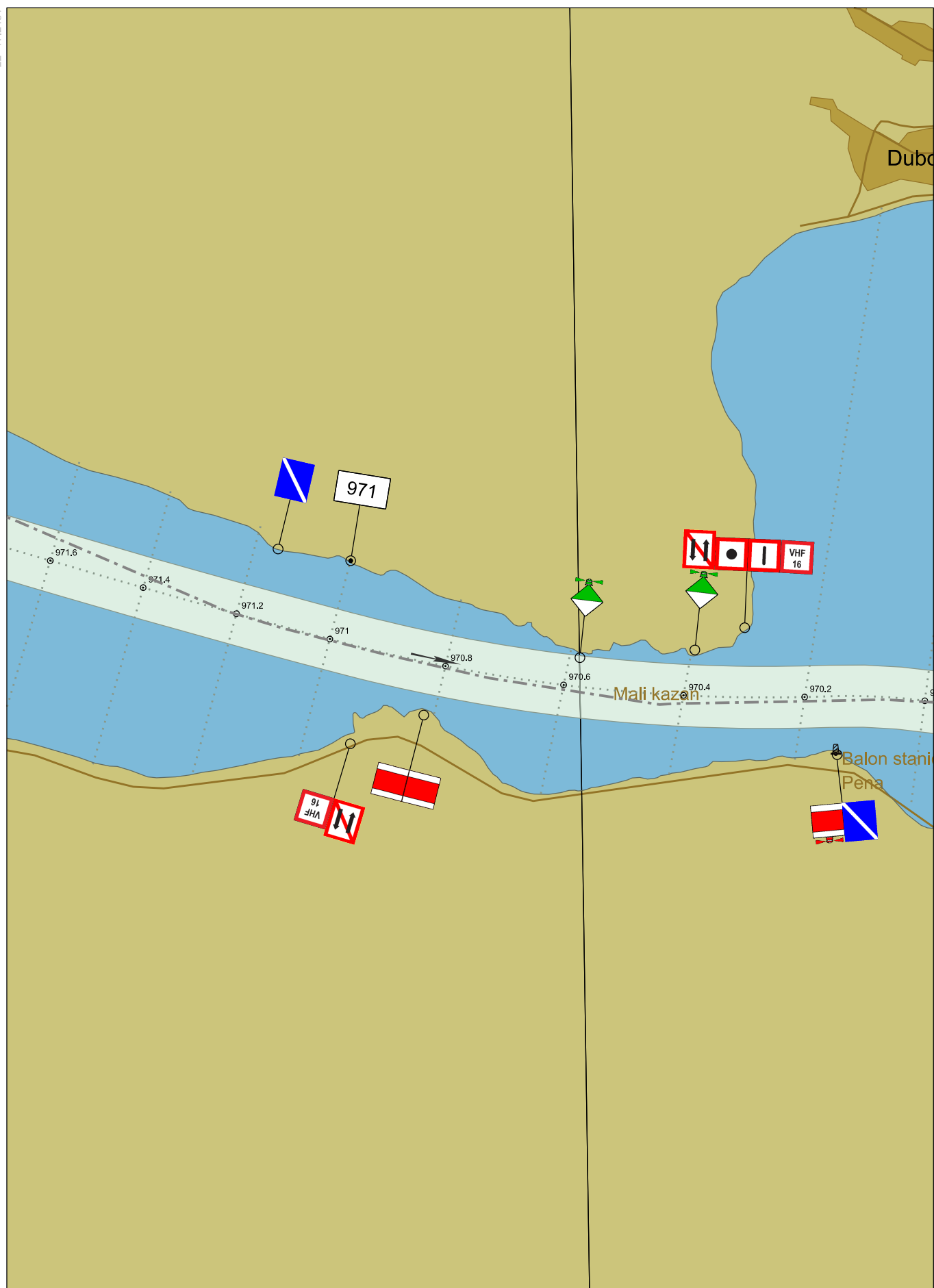






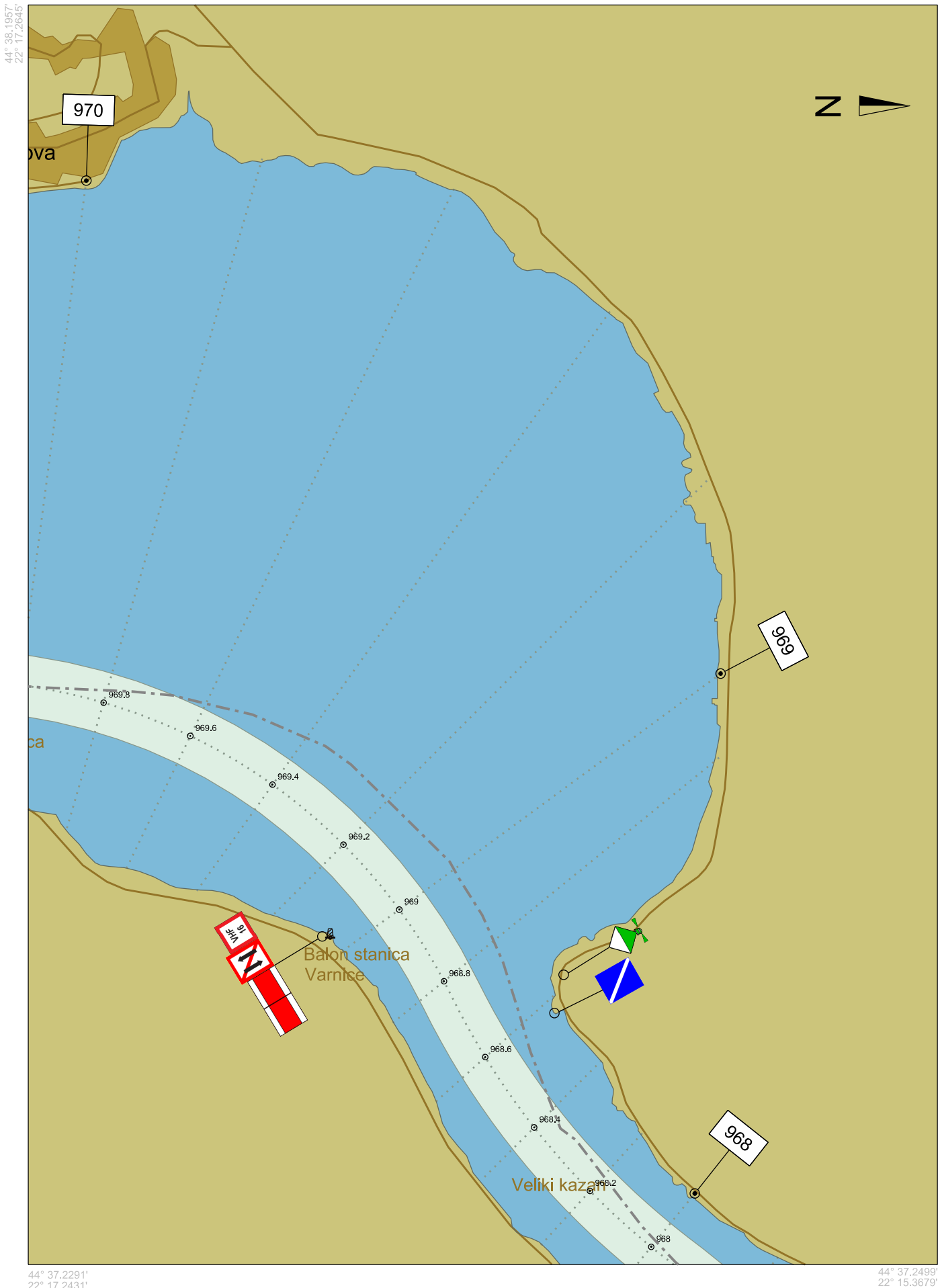
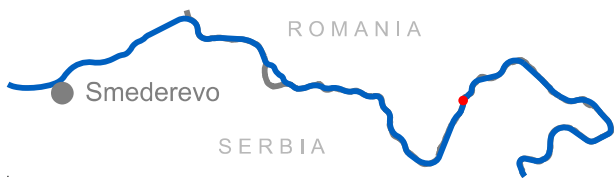
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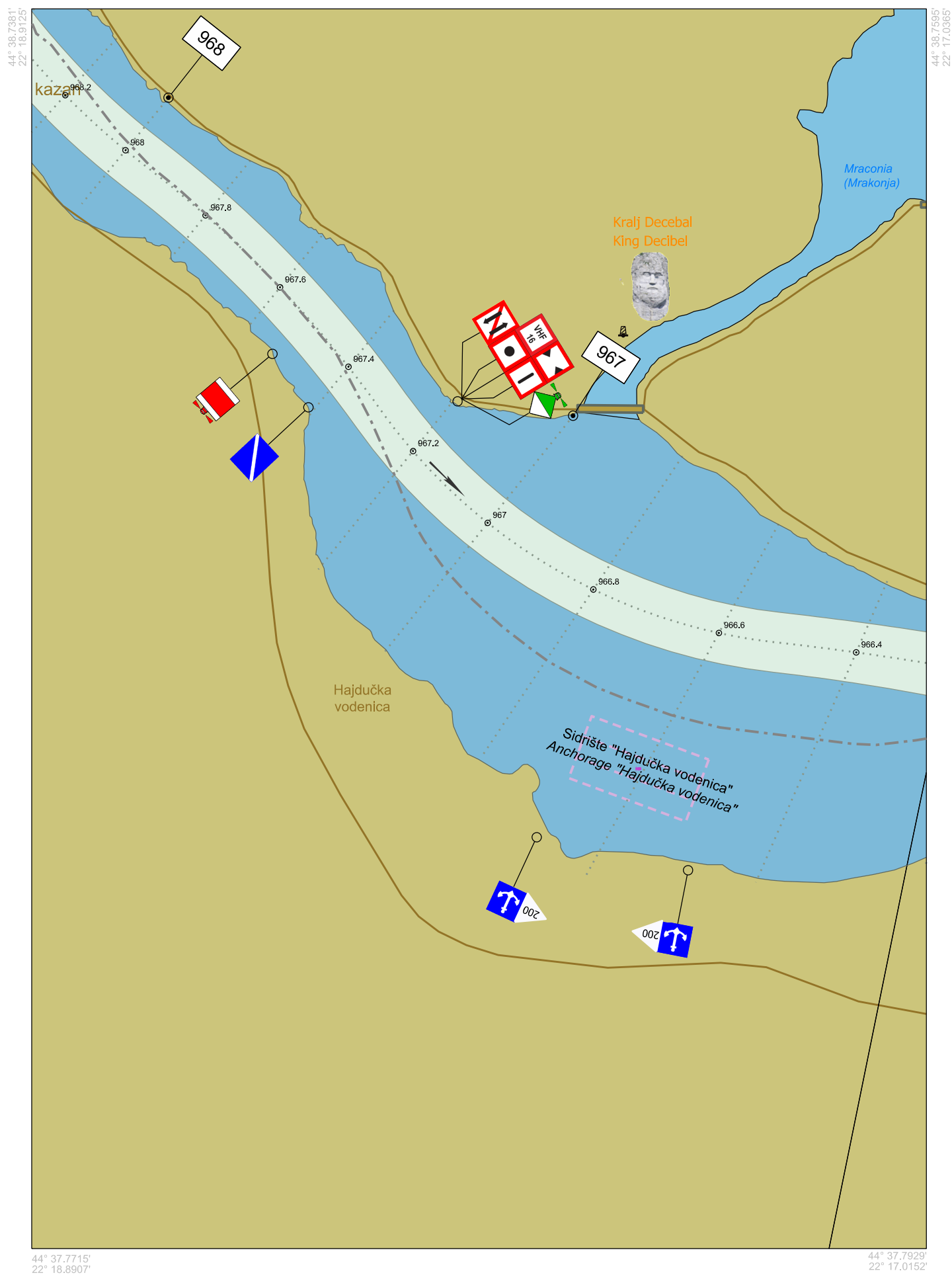
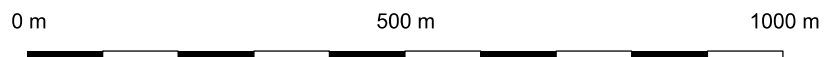
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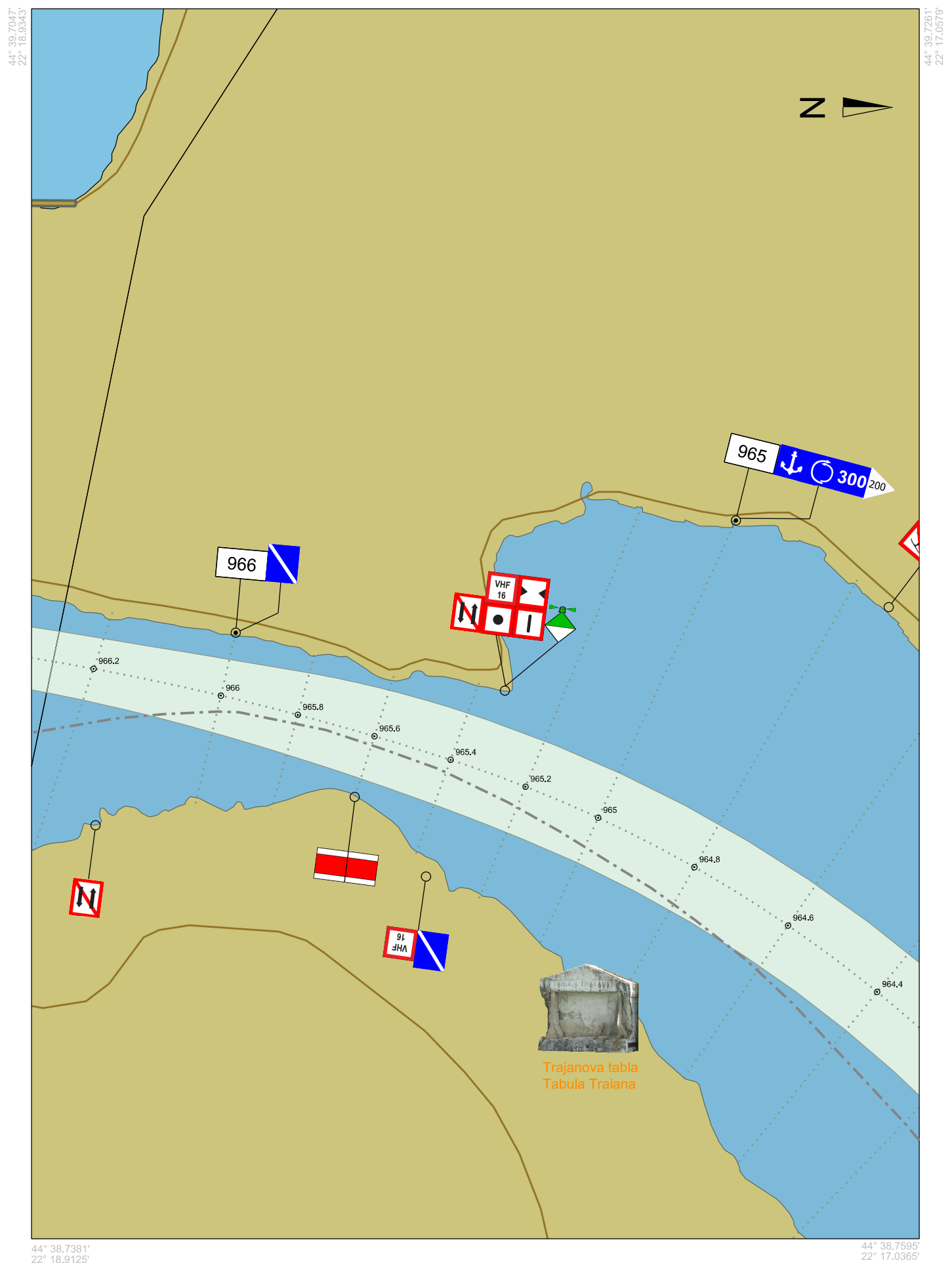


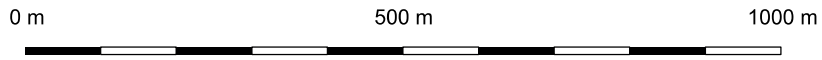
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44° 36.2833'
22° 15.3471'



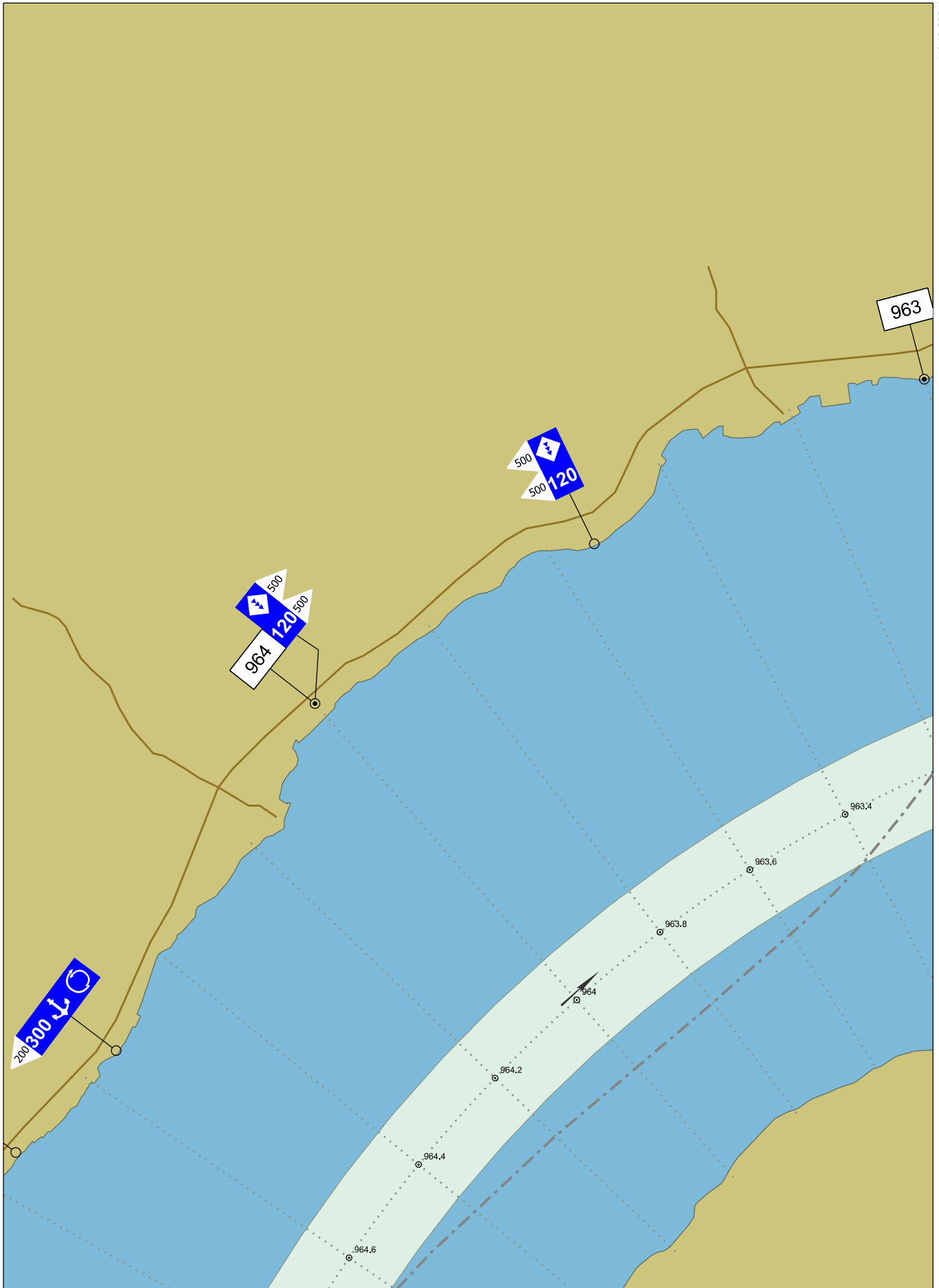






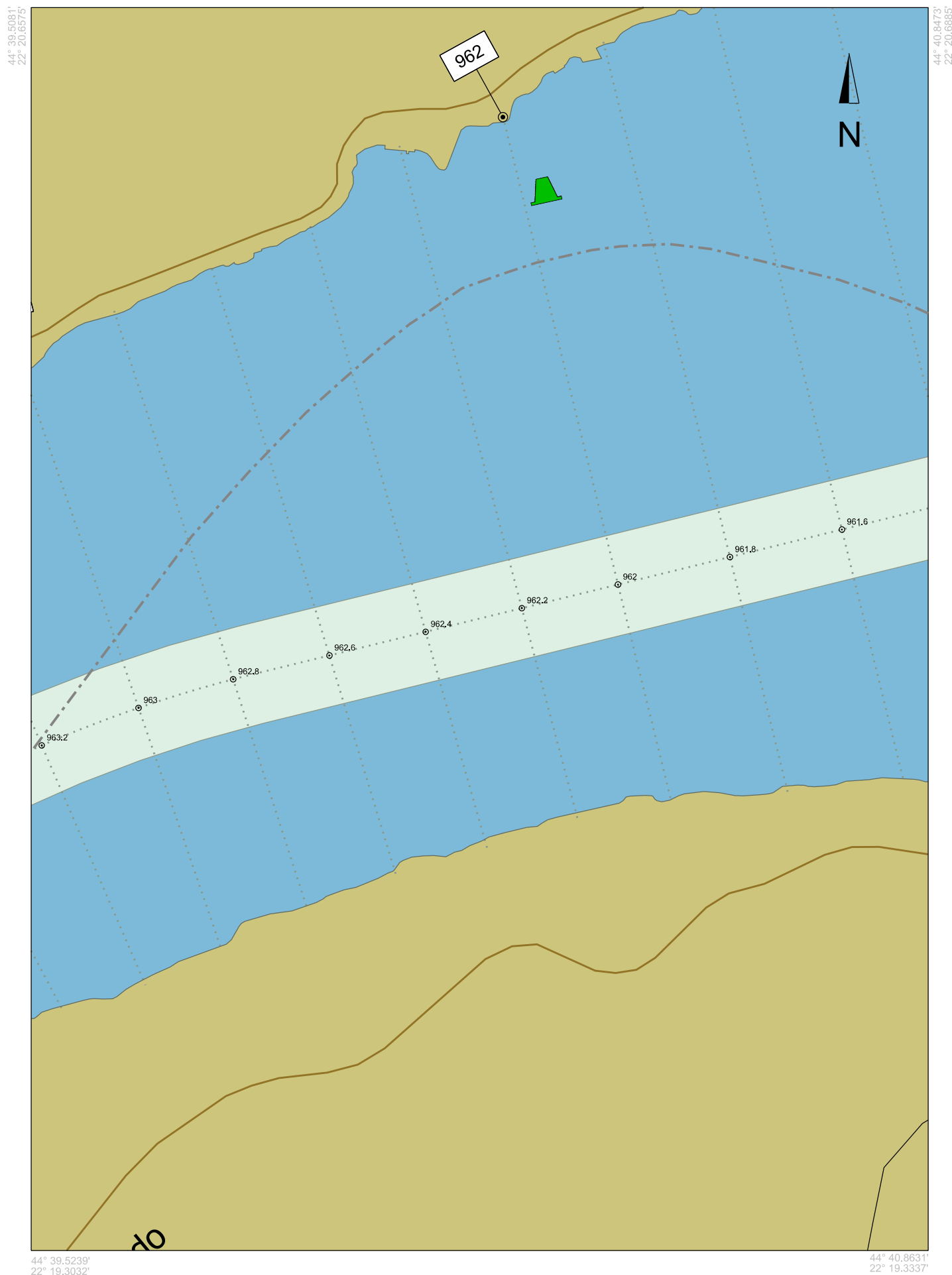
44° 39.5239'
22° 19.3032'

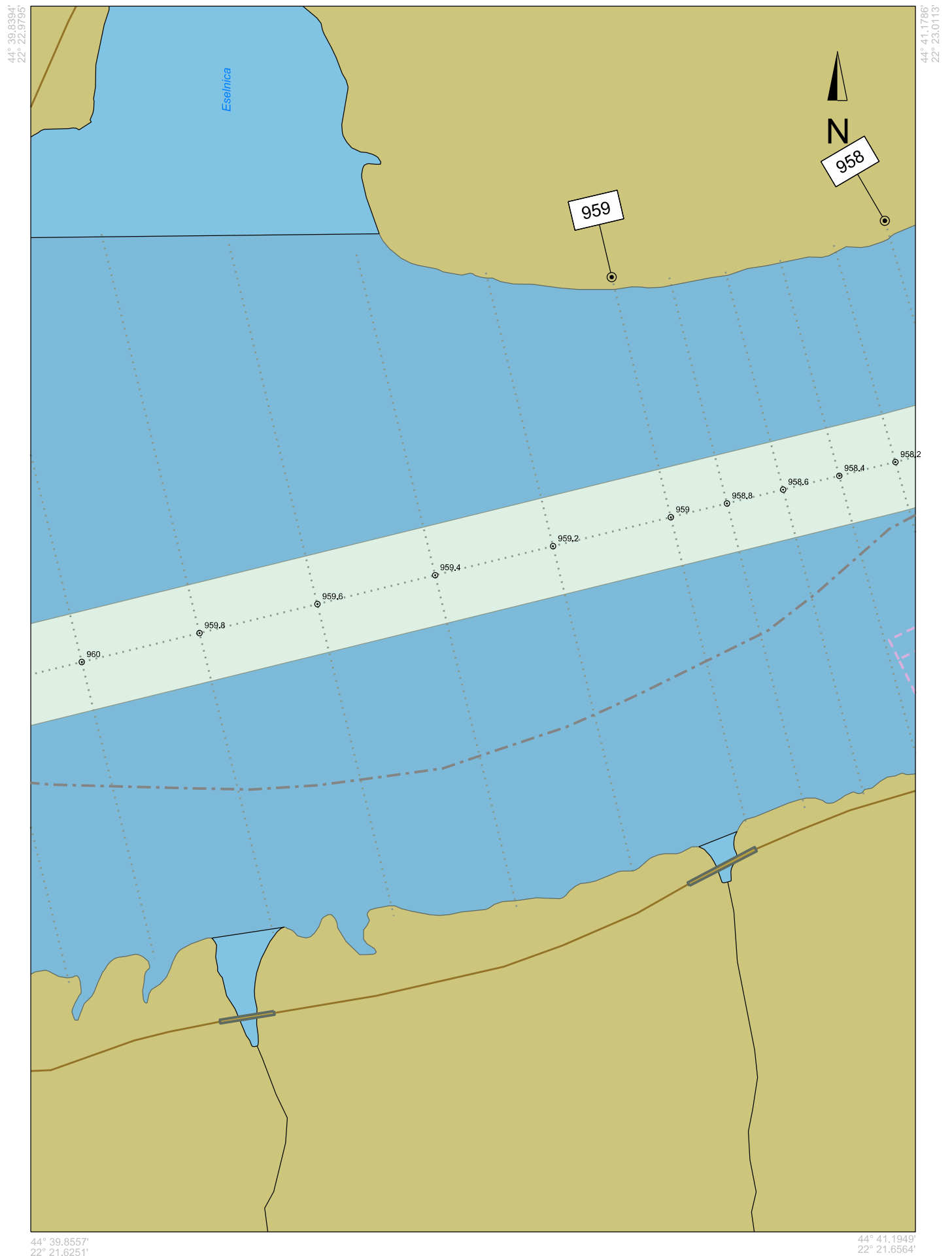
44° 40.8631'
22° 19.3337'



44° 39.5394'
22° 17.9489'

44° 40.8786'
22° 17.9788'





0 m 500 m 1000 m

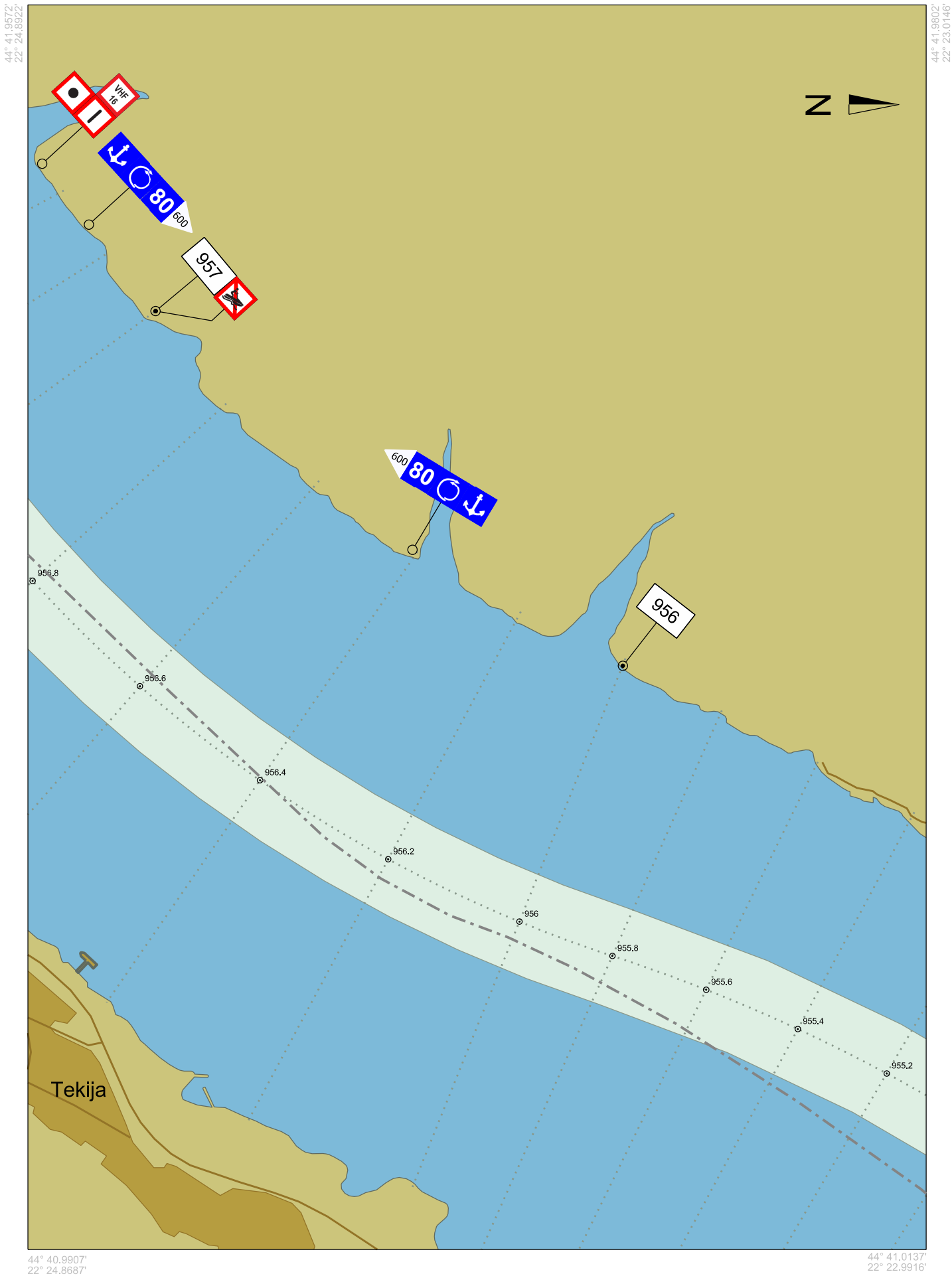
44° 40.9907'
22° 24.8687'

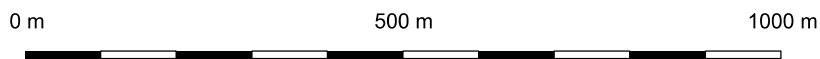
44° 41.0137'
22° 22.9916'



44° 40.0241'
22° 24.8452'

44° 40.0471'
22° 22.9686'





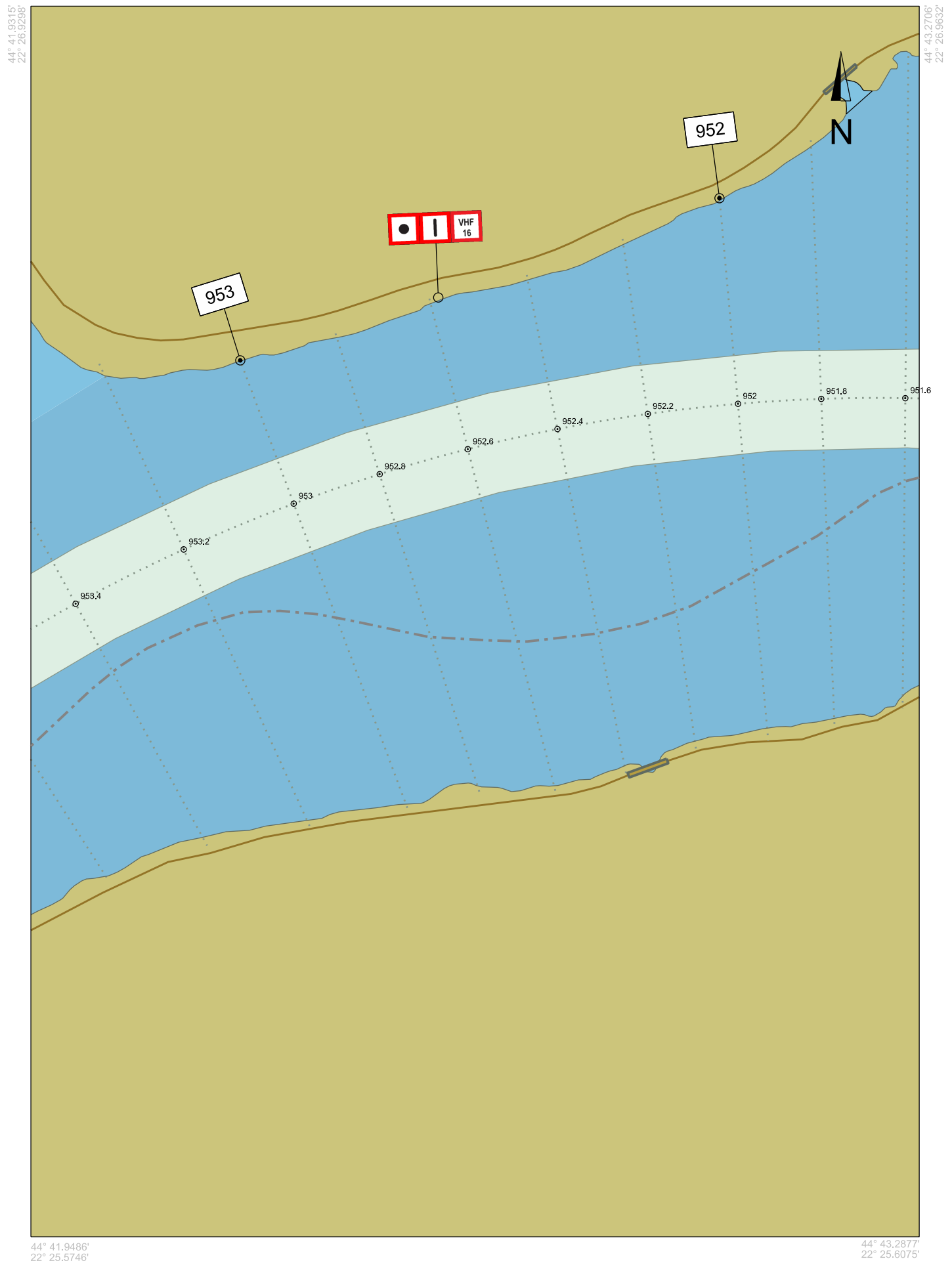
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22° 25.5746'

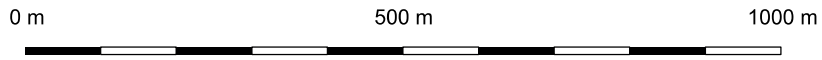
44° 43.2877'
22° 25.6075'



44° 41.9654'
22° 24.2194'

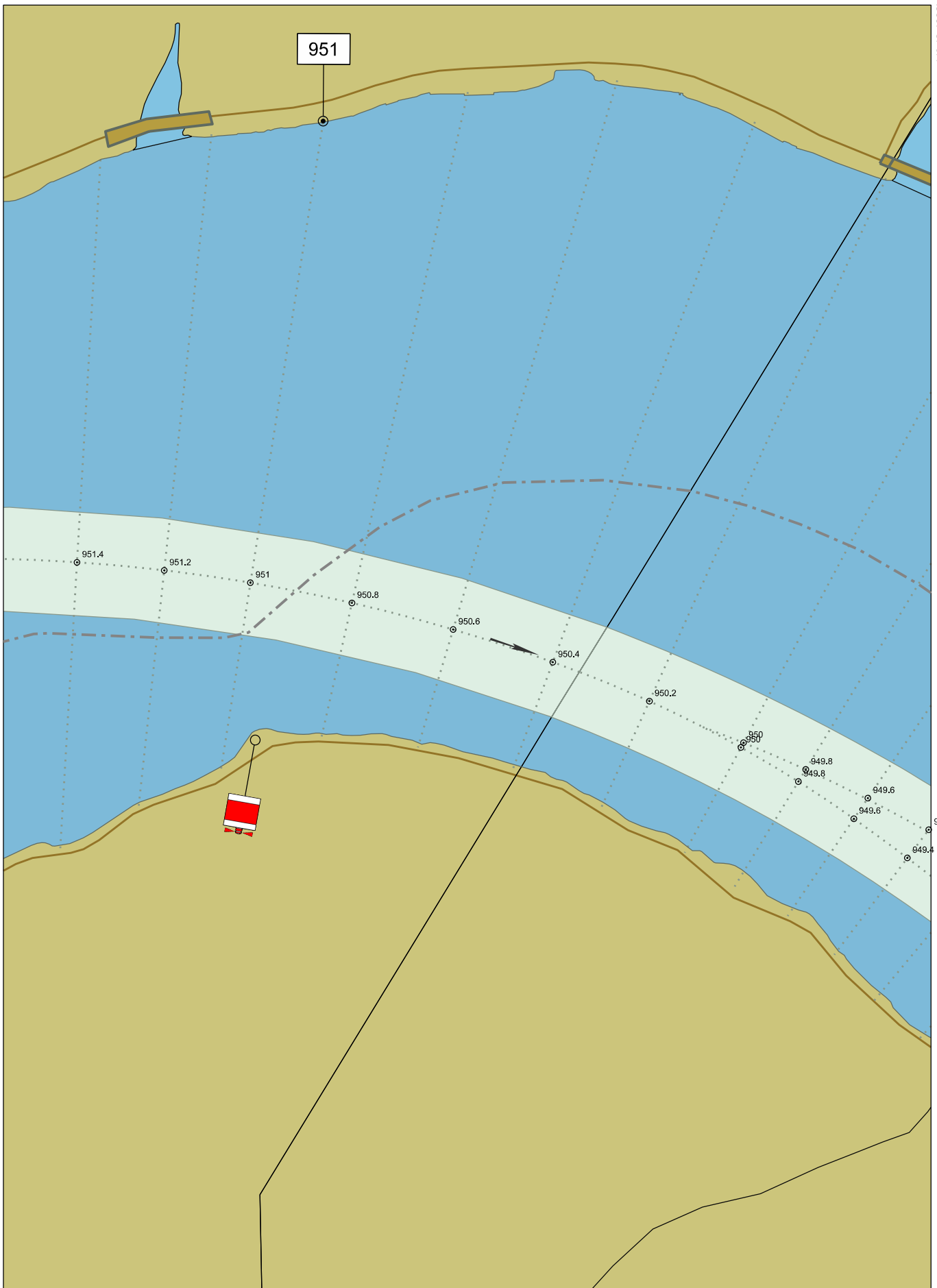
44° 43.3045'
22° 24.2518'





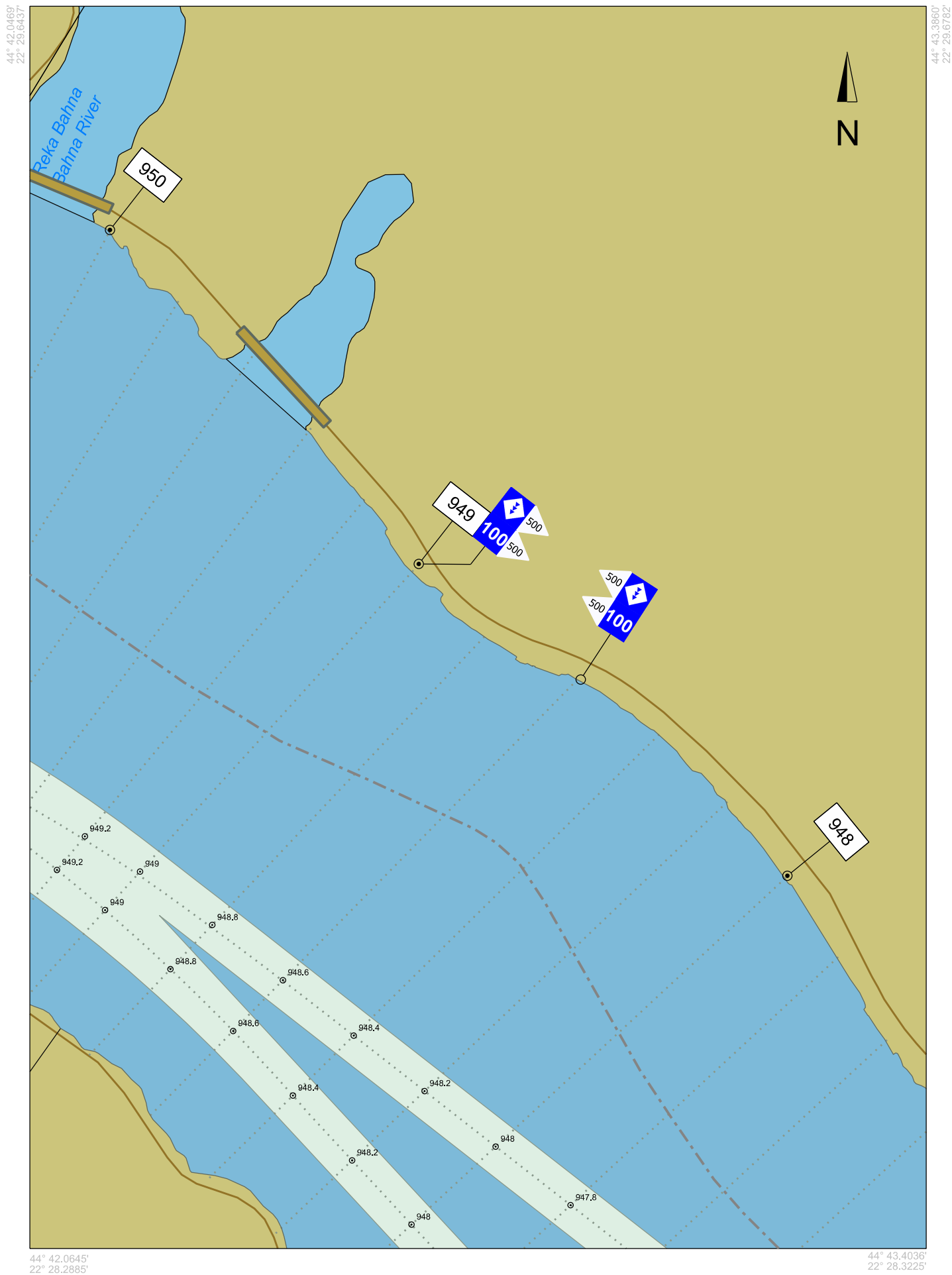
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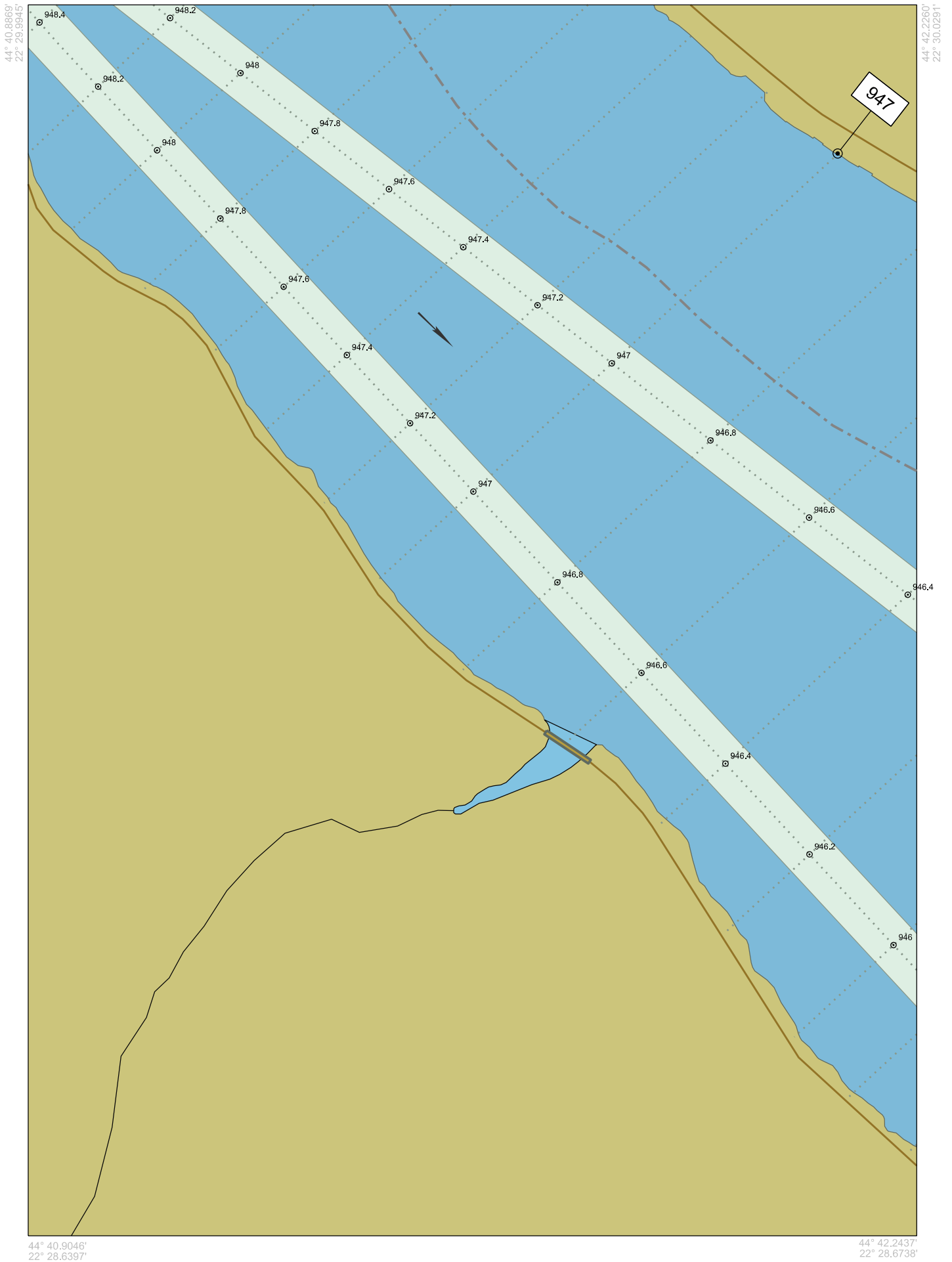
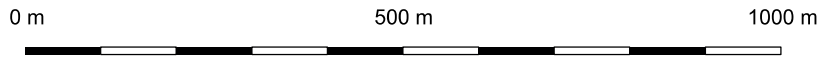
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22° 28.3225'

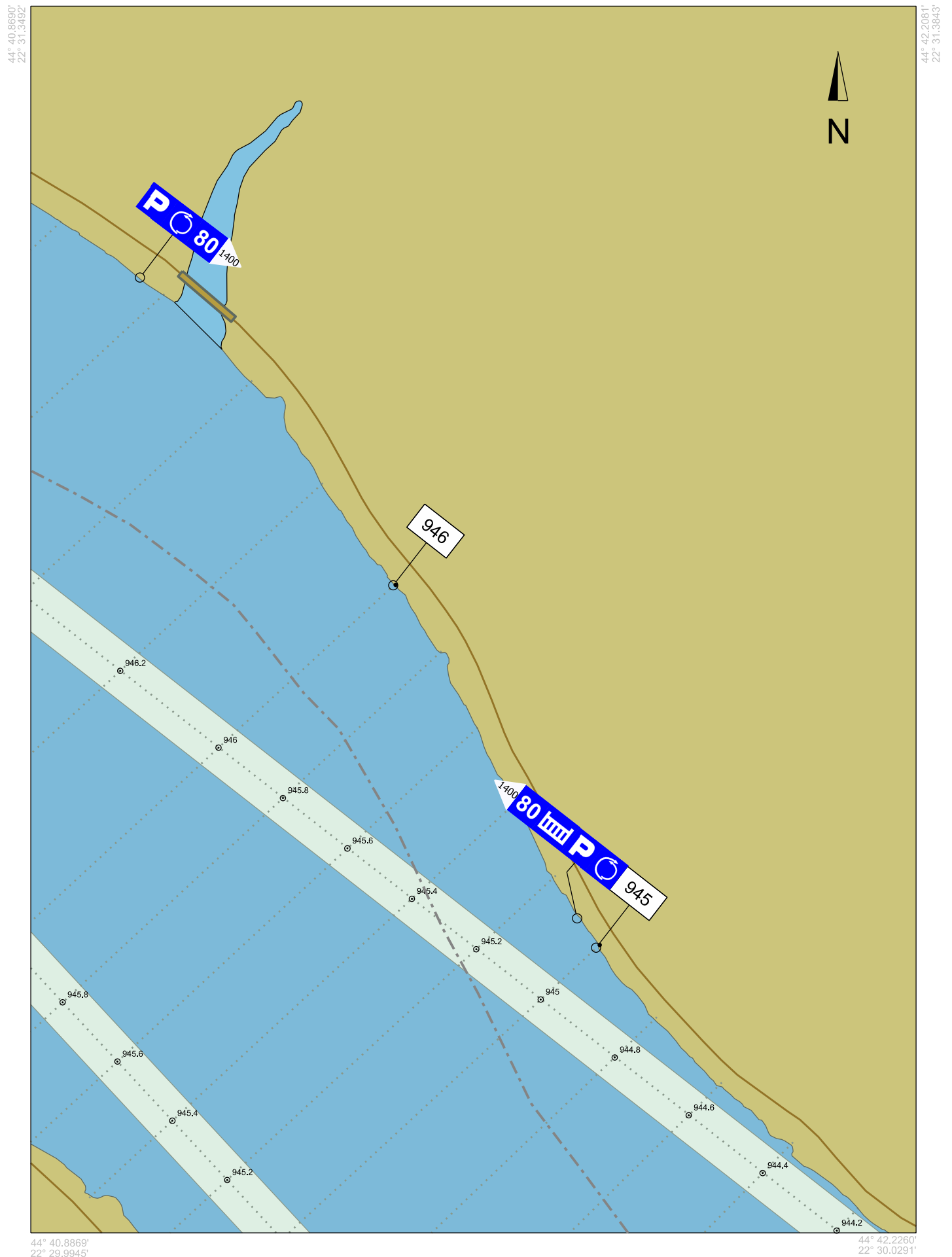


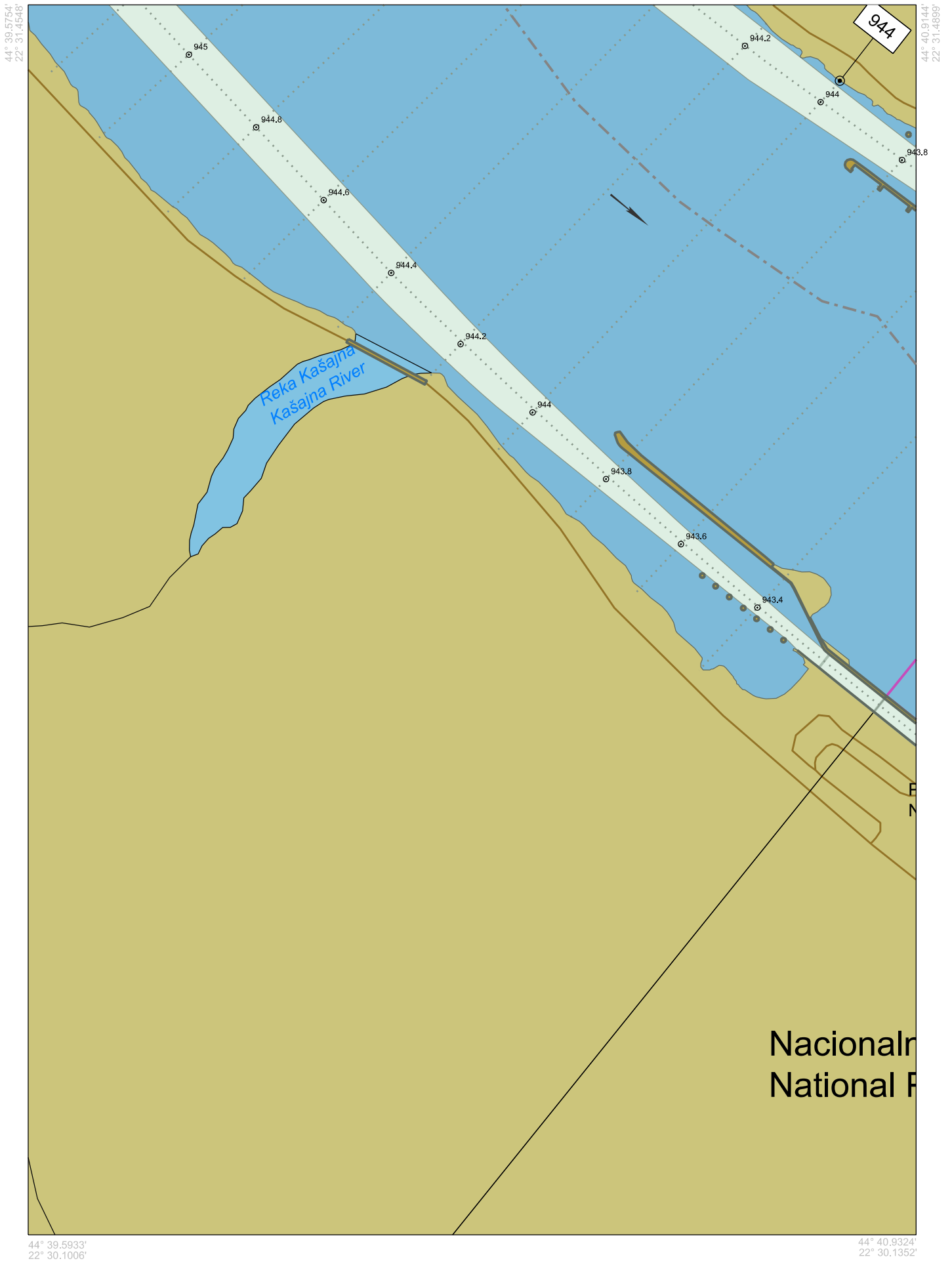
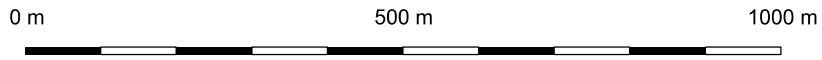
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22° 26.9333'

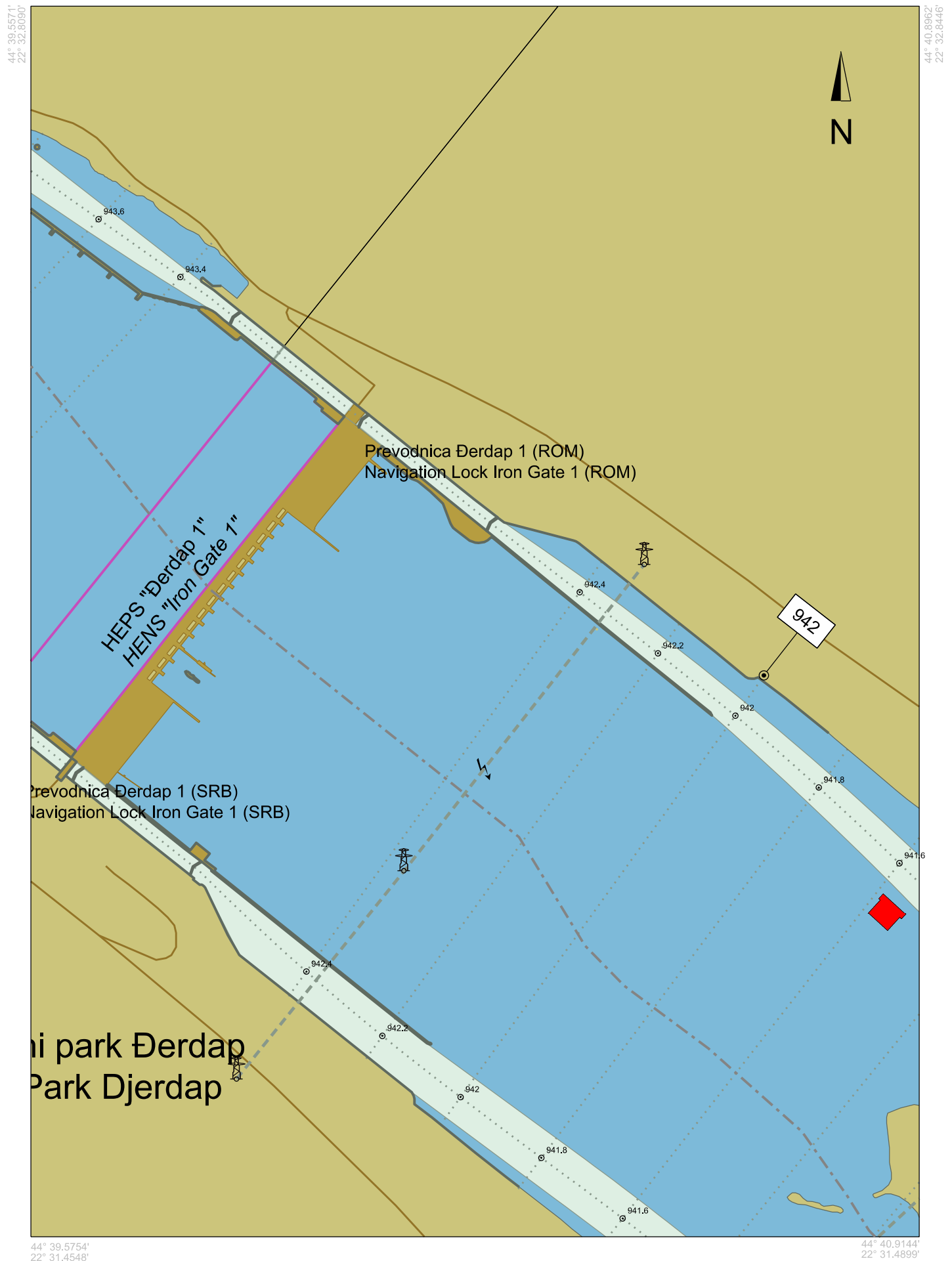
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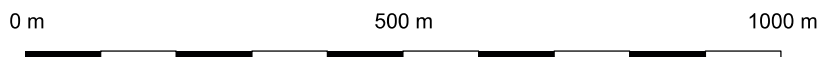






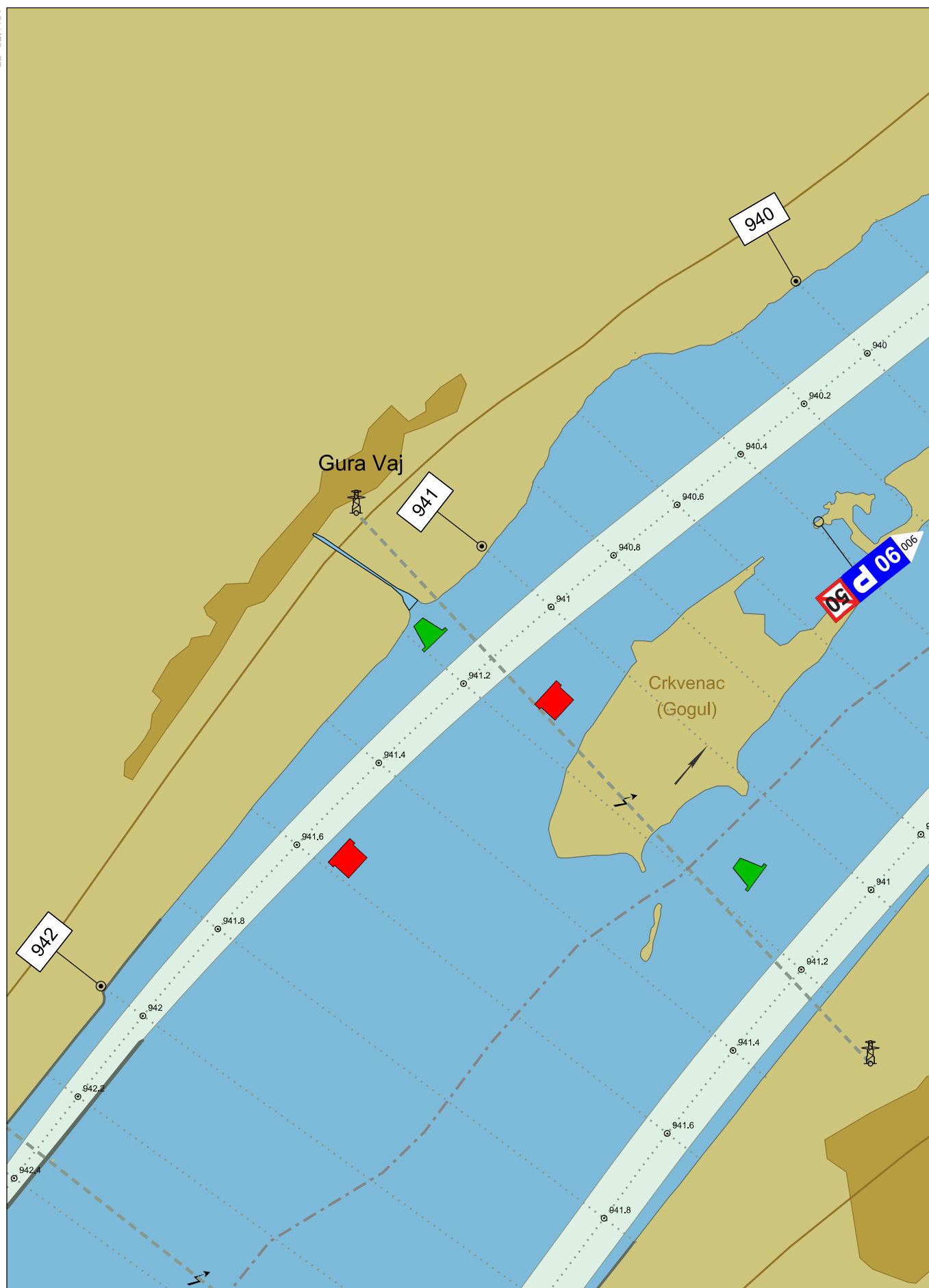






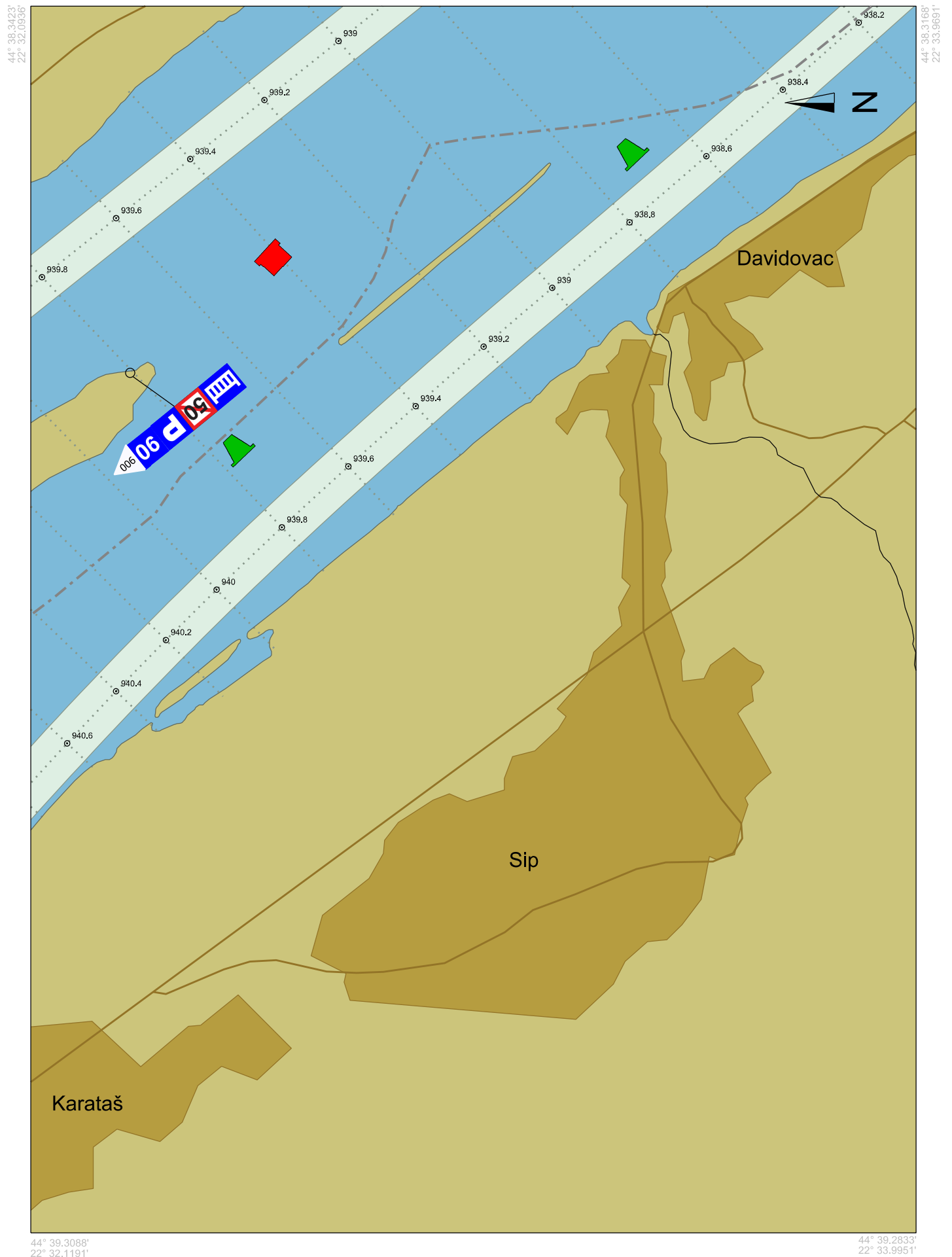
44° 39.3088'
22° 32.1191'

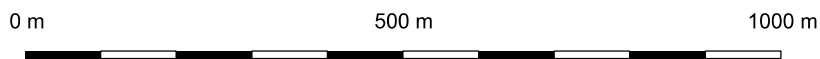
44° 39.2833'
22° 33.9951'



44° 40.2753'
22° 32.1446'

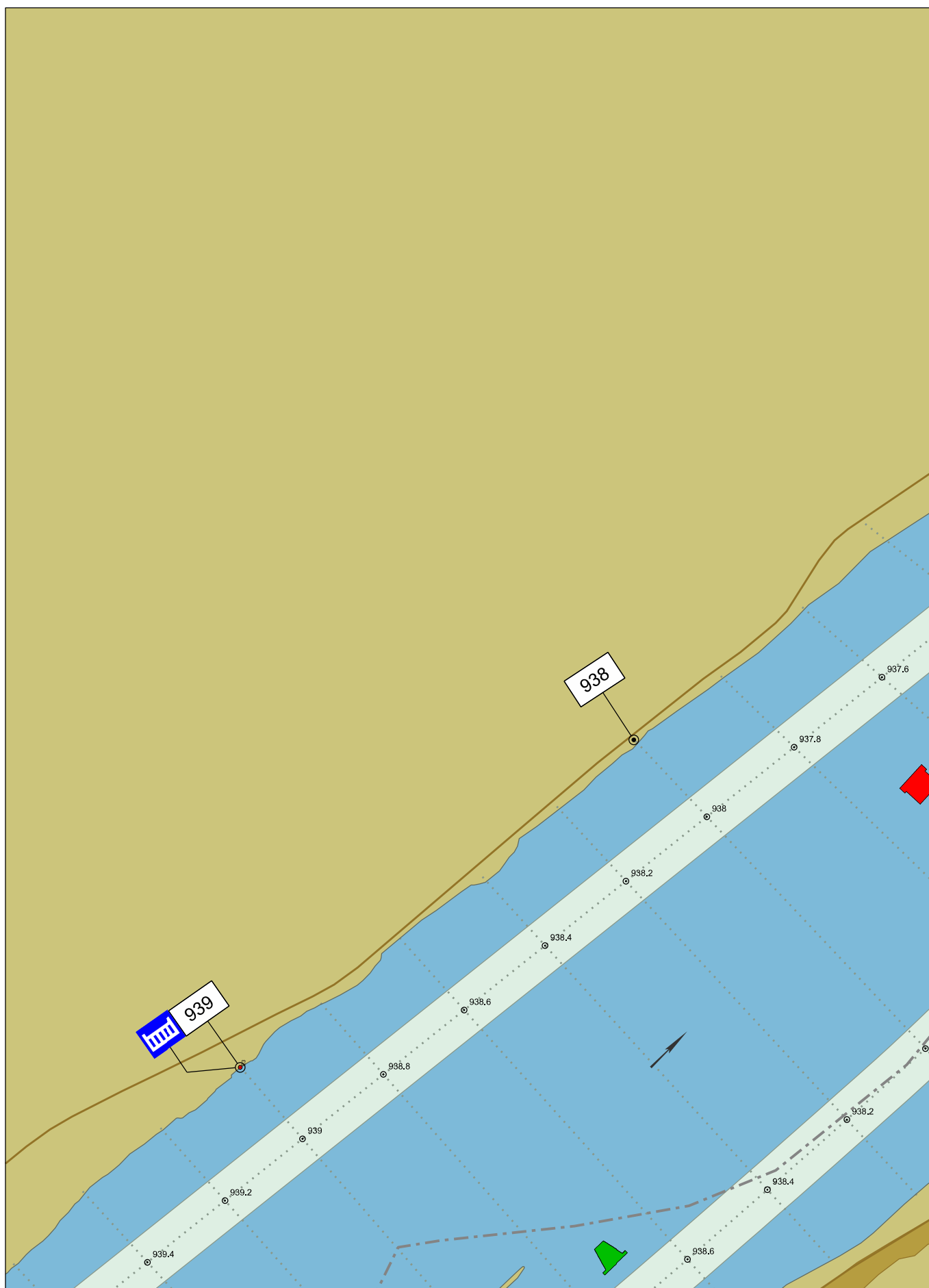
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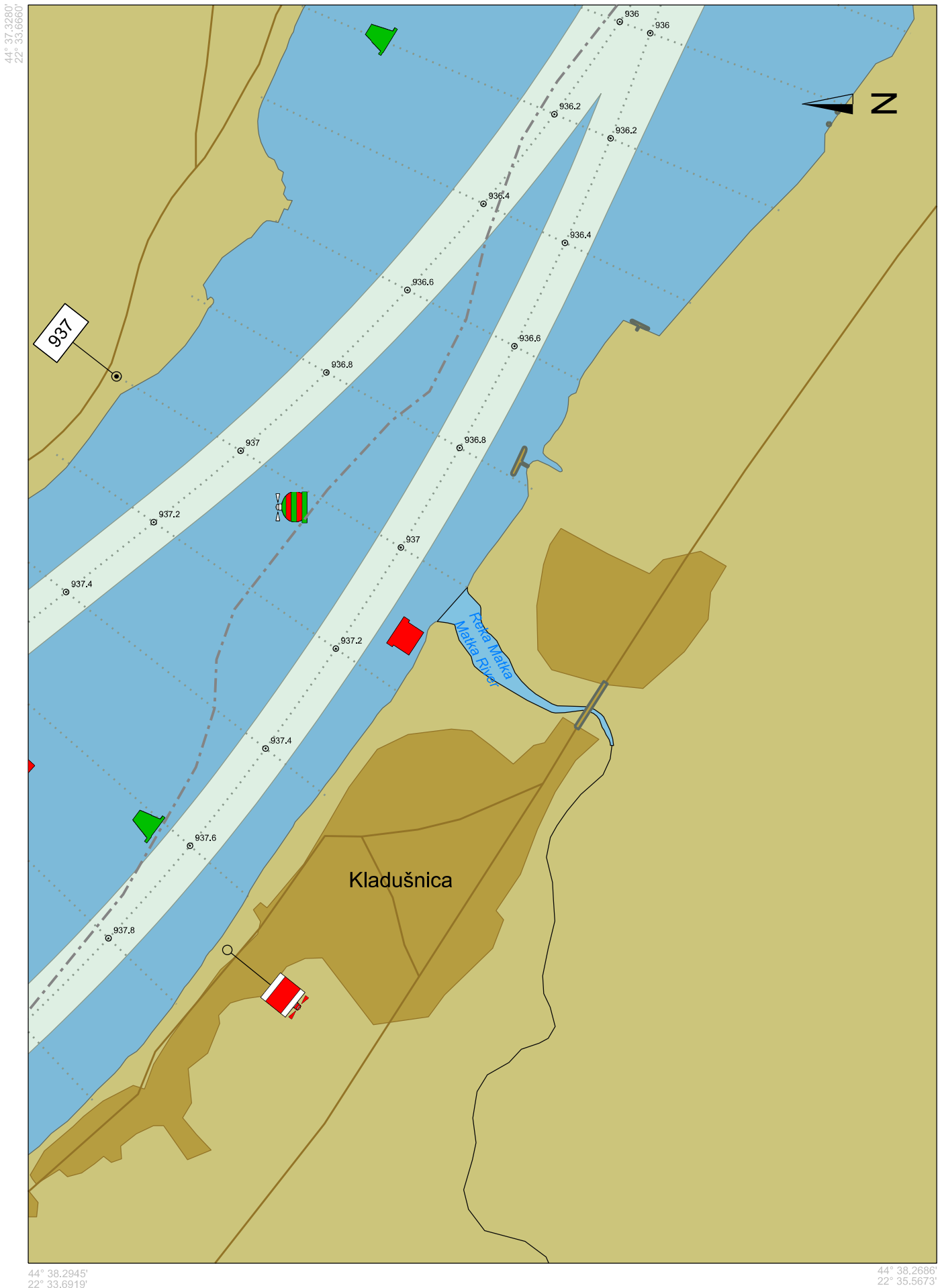


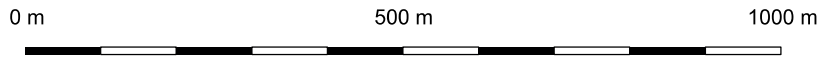


44° 38.2945'
22° 33.6919'

44° 38.2686'
22° 35.5673'

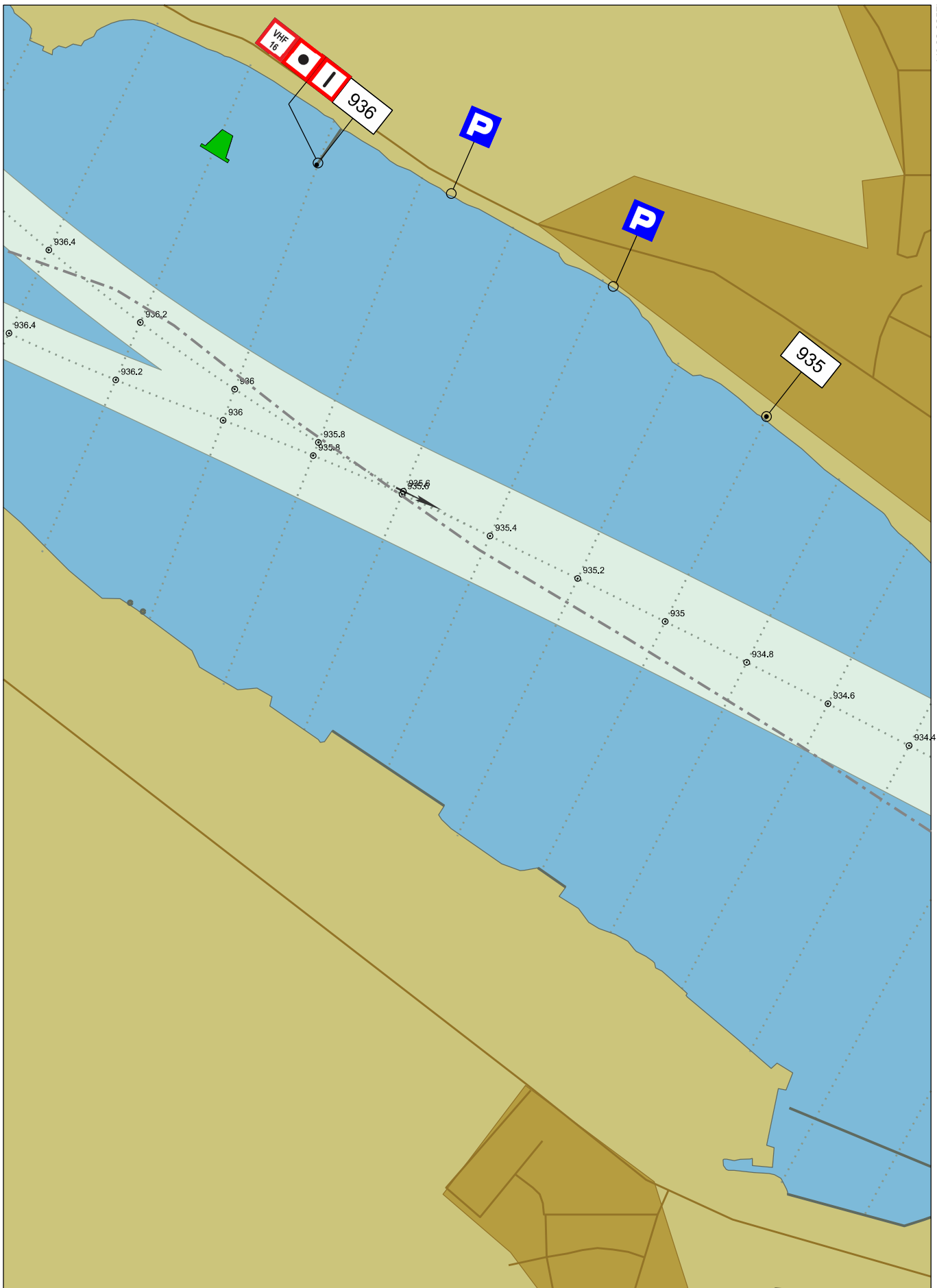






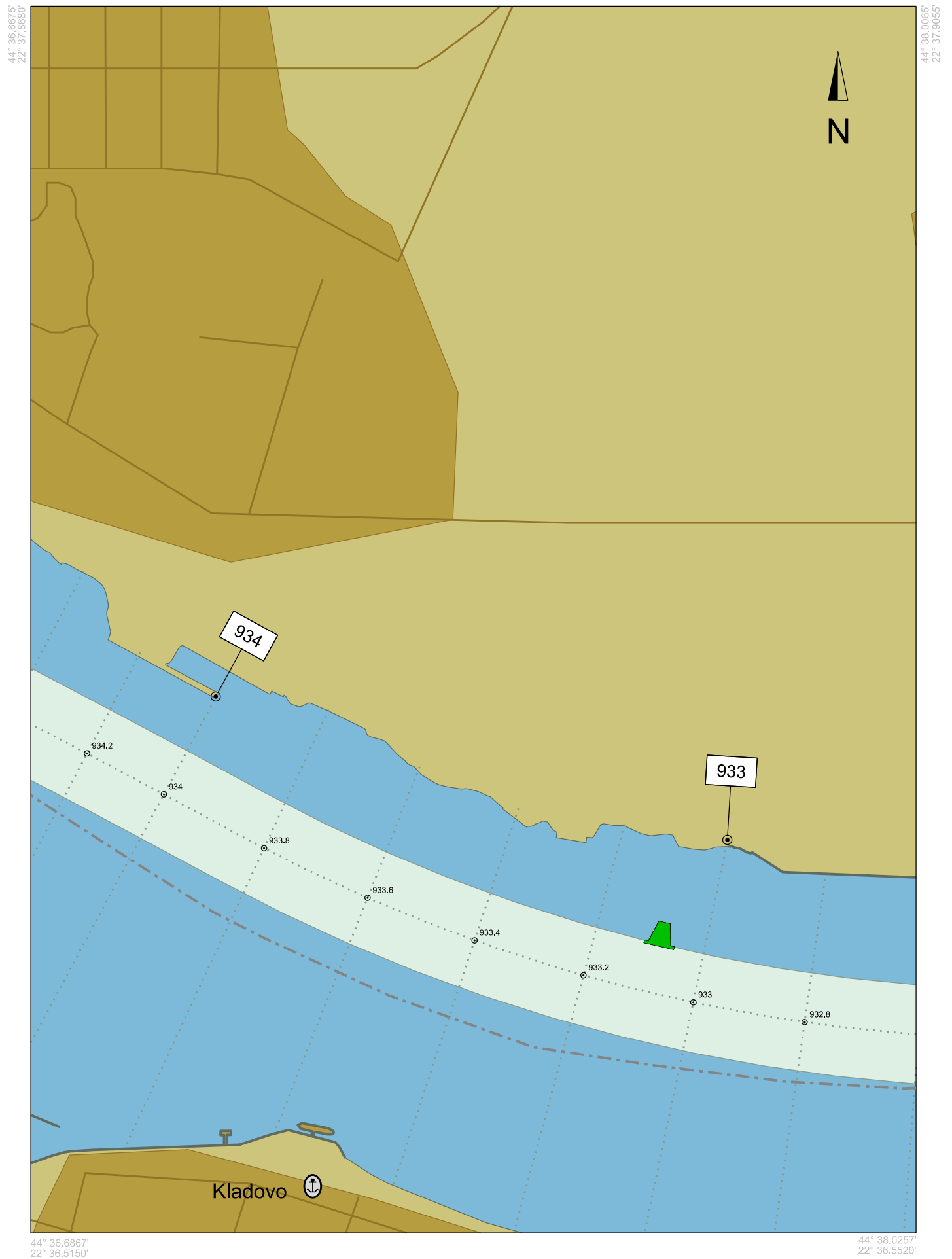
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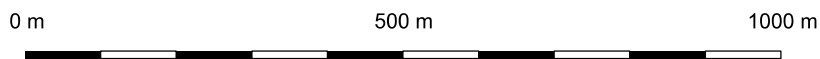
44° 38.0257'
22° 36.5520'



44° 36.7056'
22° 35.1619'

44° 38.0447'
22° 35.1984'





44° 36.3794'
22° 39.1024'

44° 37.7184'
22° 39.1404'

Drobeta - Turnu Severin

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932.6

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931.8

931.6

931.4

931.2

Sidrište "Kostol 1"
Anchorage "Kostol 1"

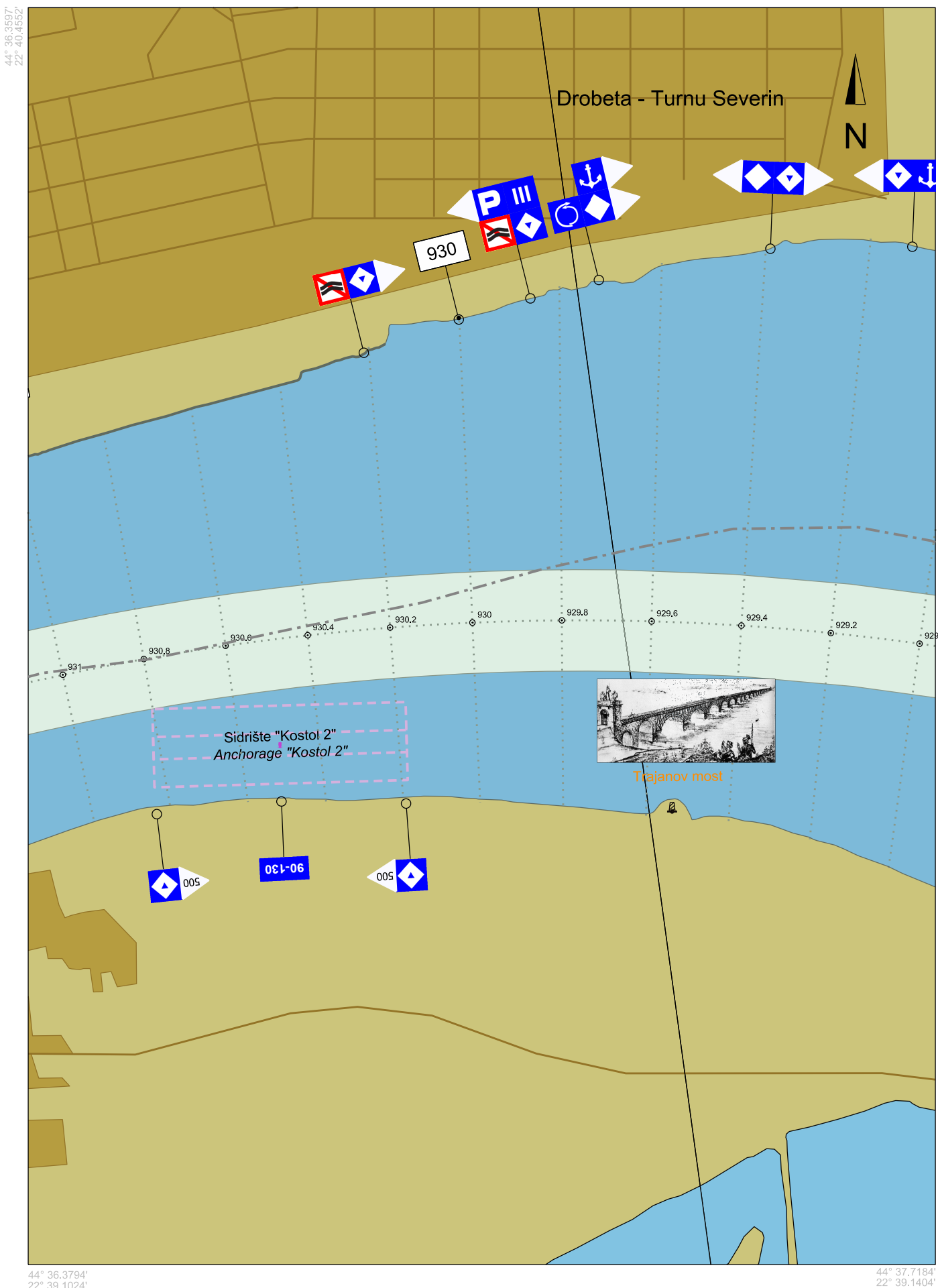
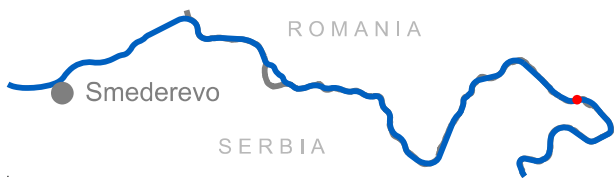


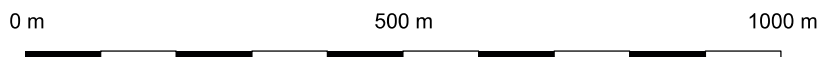
Kostol



44° 36.3988'
22° 37.7495'

44° 37.7378'
22° 37.7869'

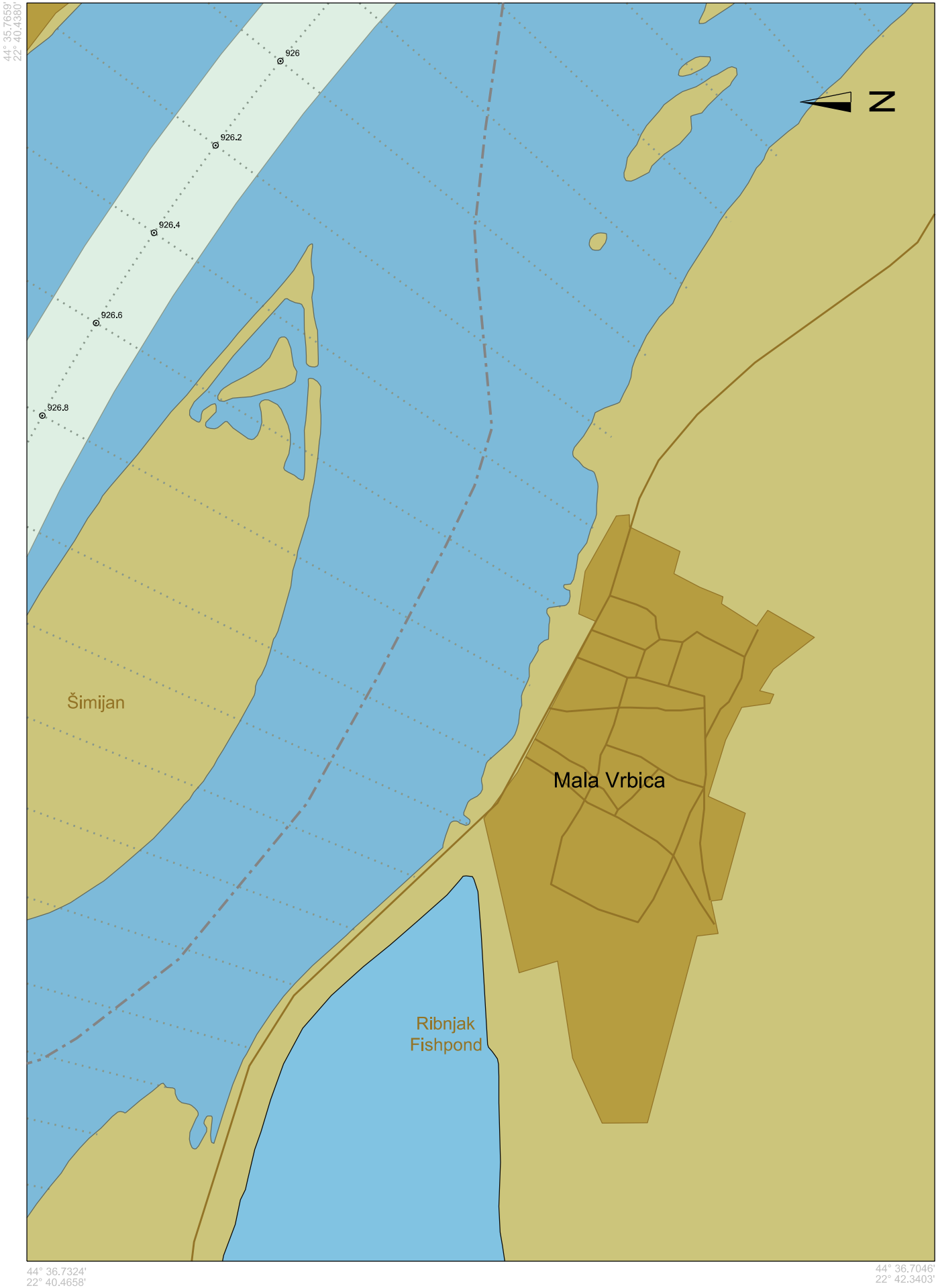


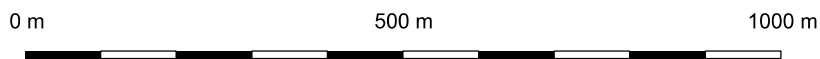


44° 36.7324'
22° 40.4658'

44° 36.7046'
22° 42.3403'

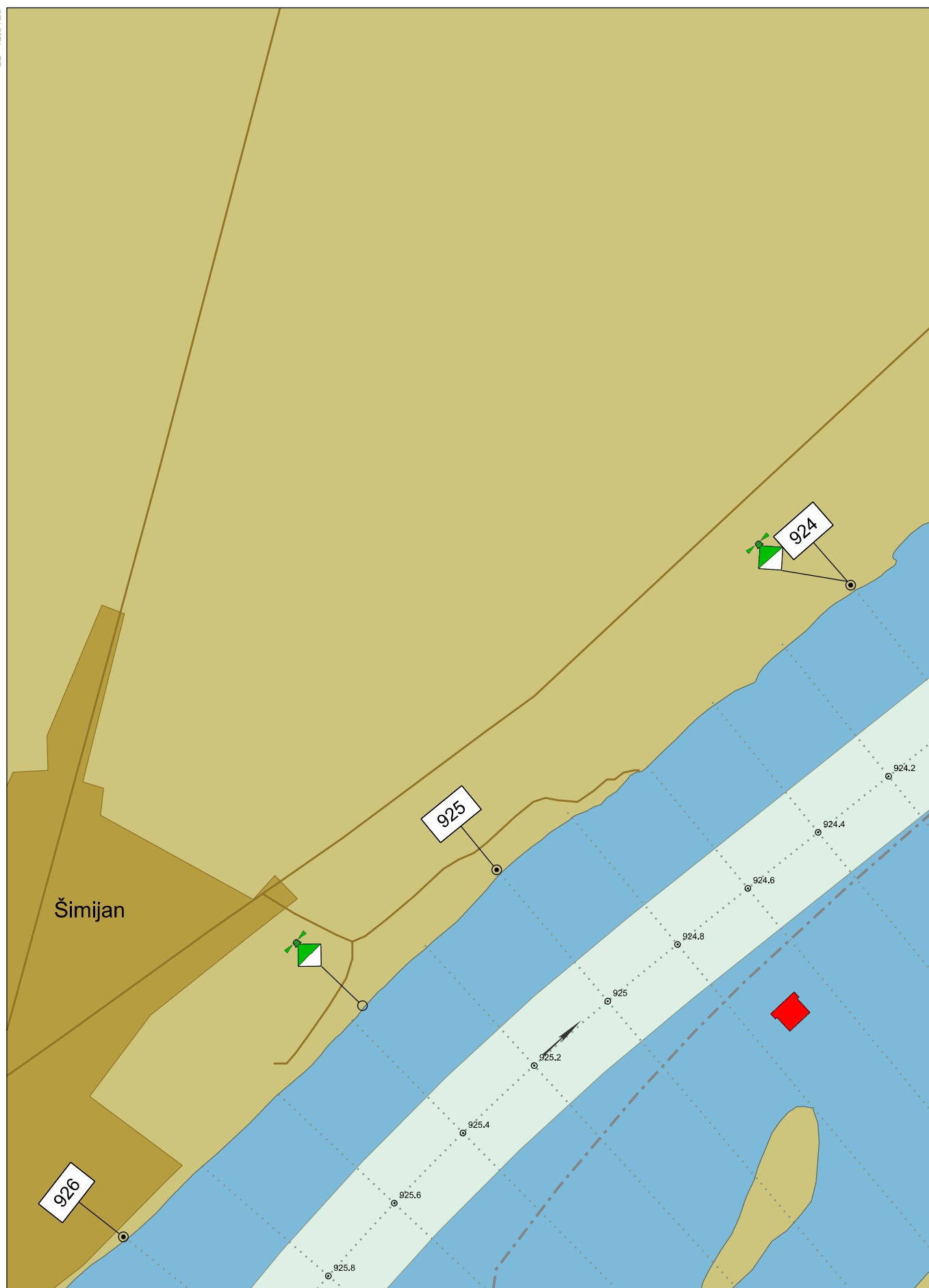






44° 35.7382'
22° 42.3120'

44° 35.7099'
22° 44.1860'



Šimijan

926

925

924

924.2

924.4

924.6

924.8

925

925.2

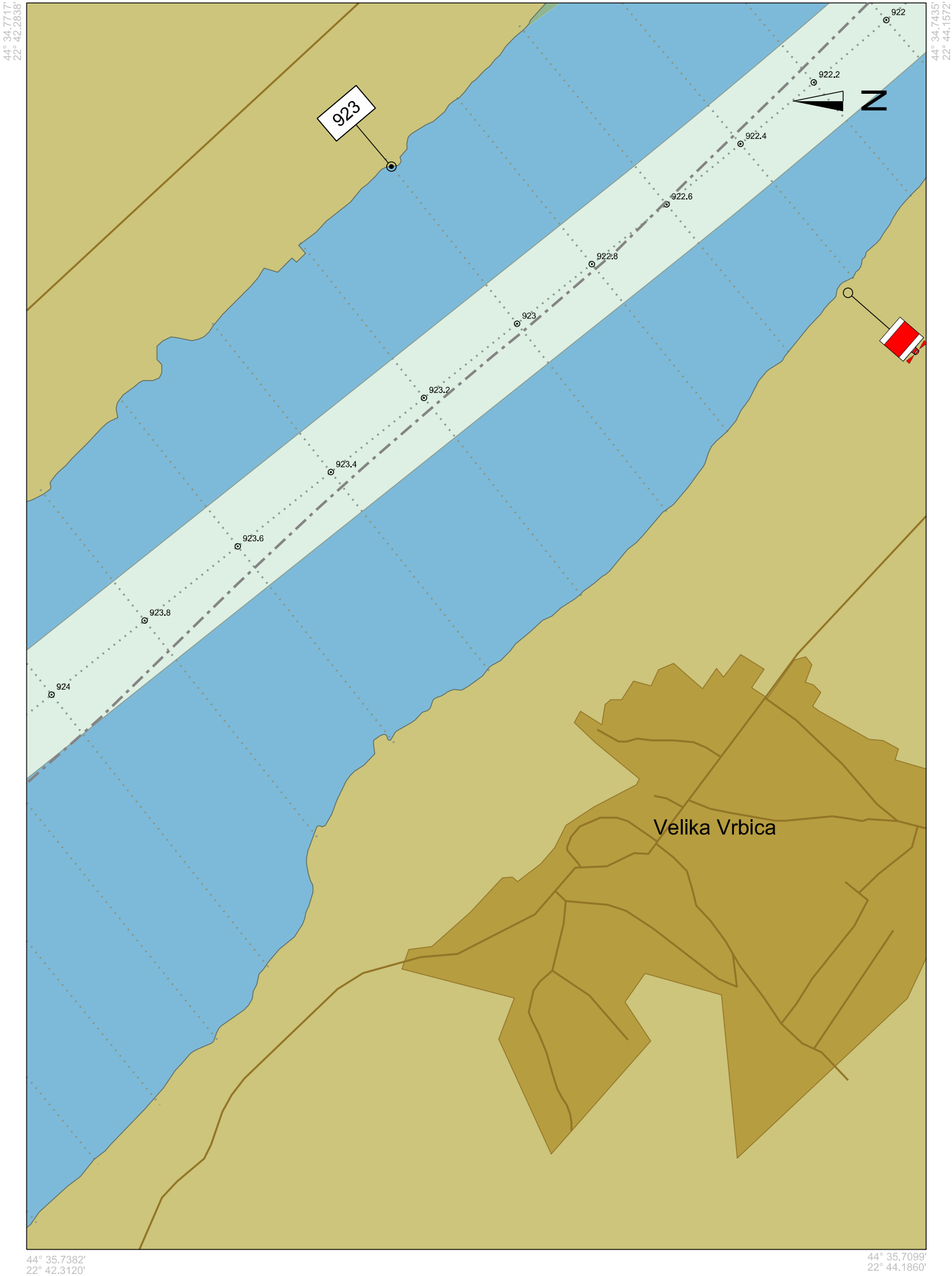
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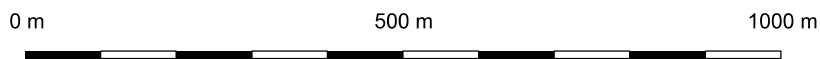
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925.8

44° 36.7046'
22° 42.3403'

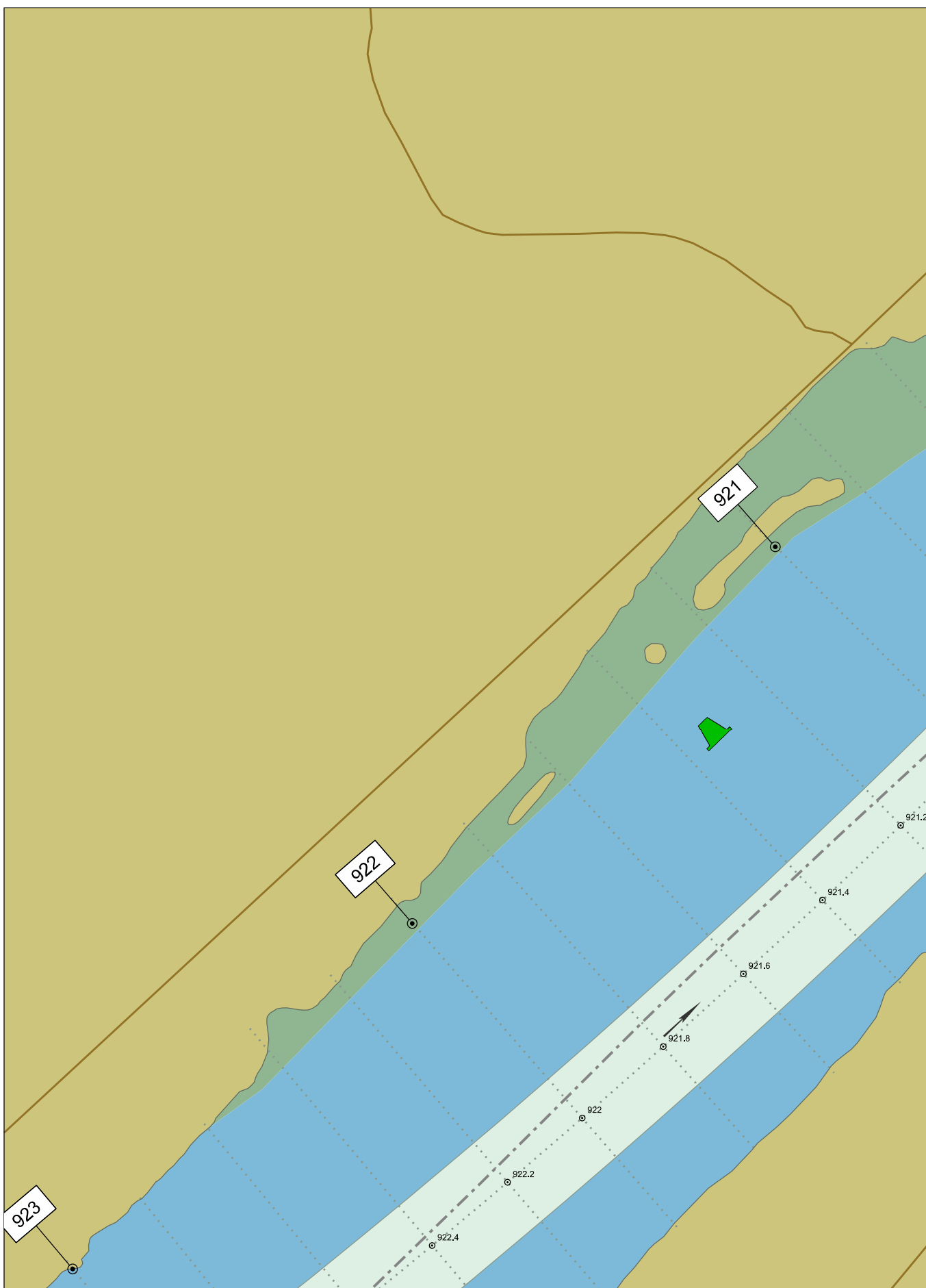
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22° 44.2148'





44° 34.4273'
22° 43.8687'

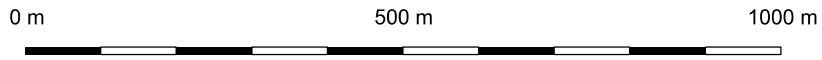
44° 34.3986'
22° 45.7420'



44° 35.3937'
22° 43.8974'

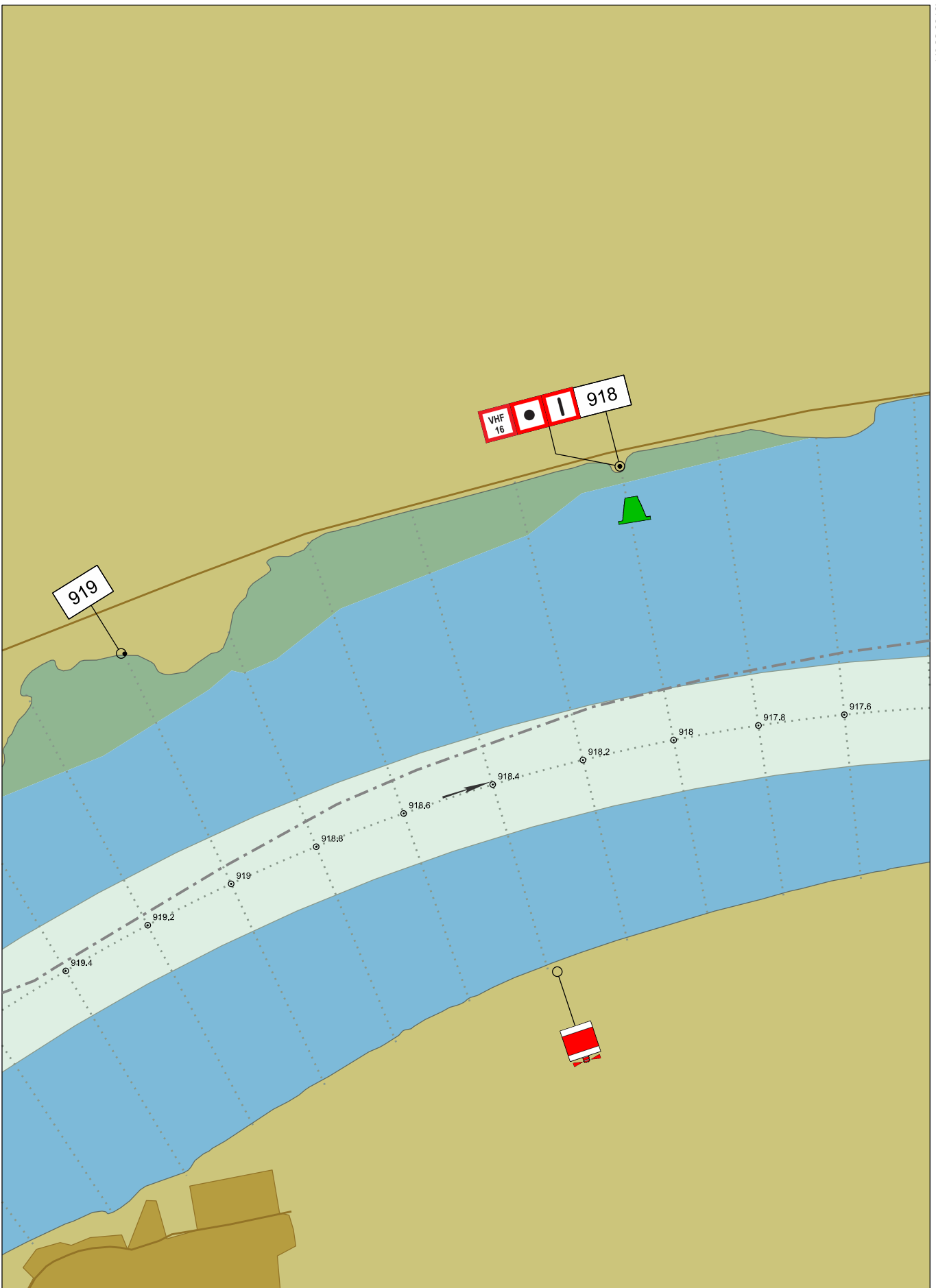
44° 35.3651'
22° 45.7712'





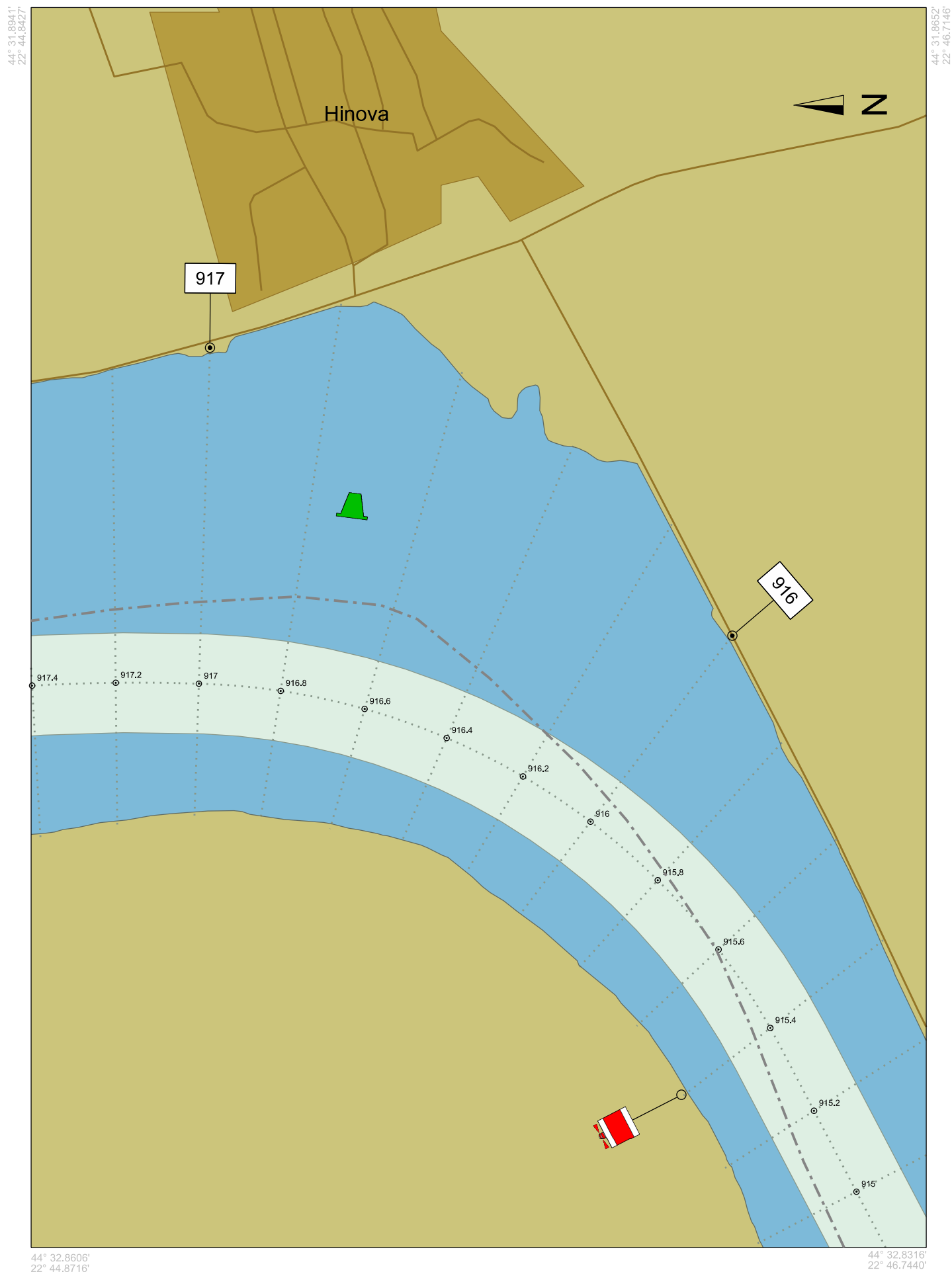
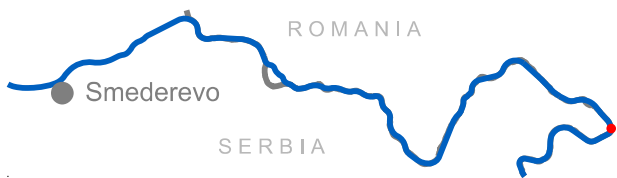
44° 32.8606'
22° 44.8716'

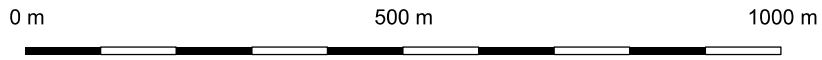
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22° 46.7440'



44° 33.8270'
22° 44.9006'

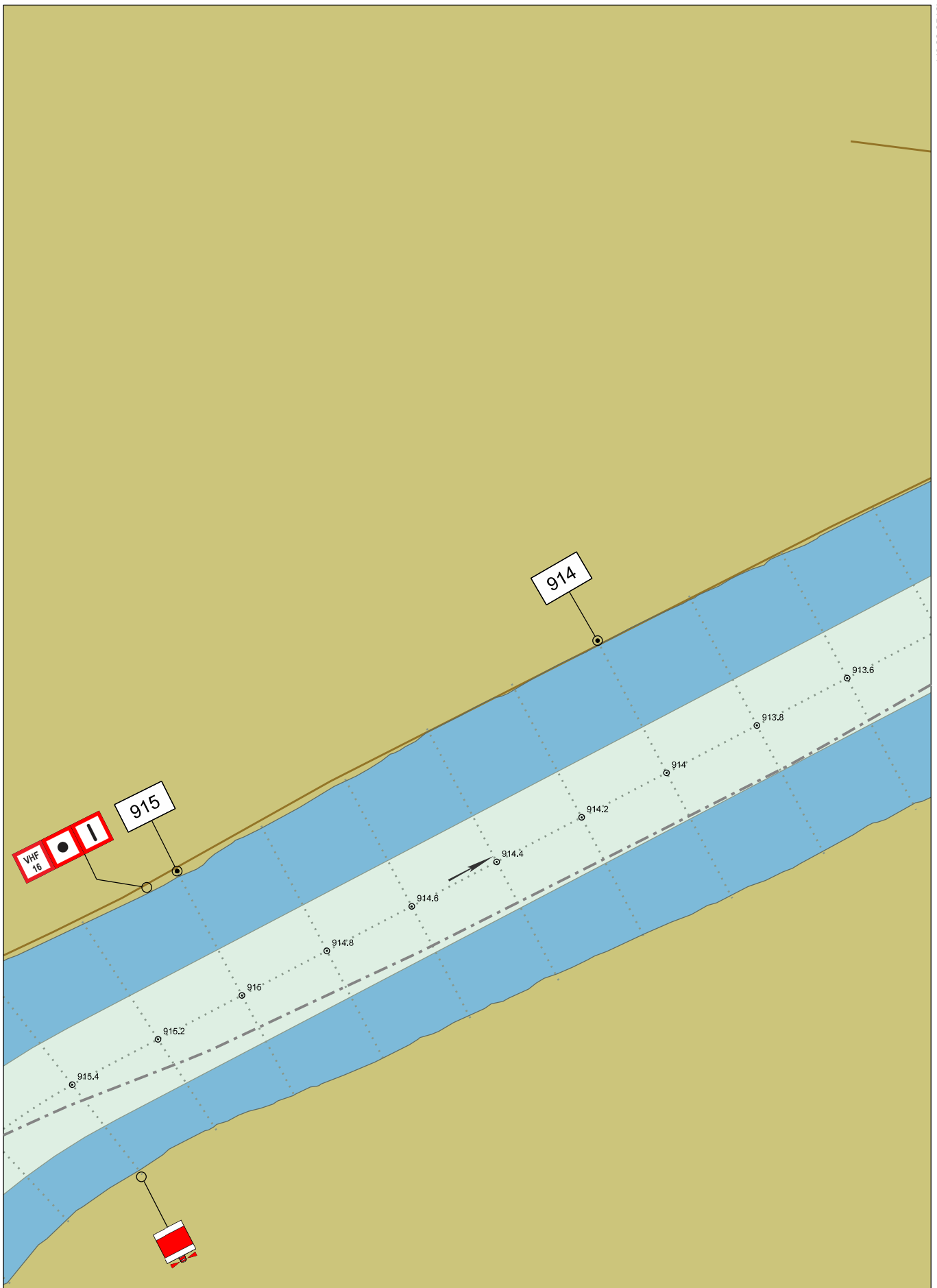
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22° 46.7735'





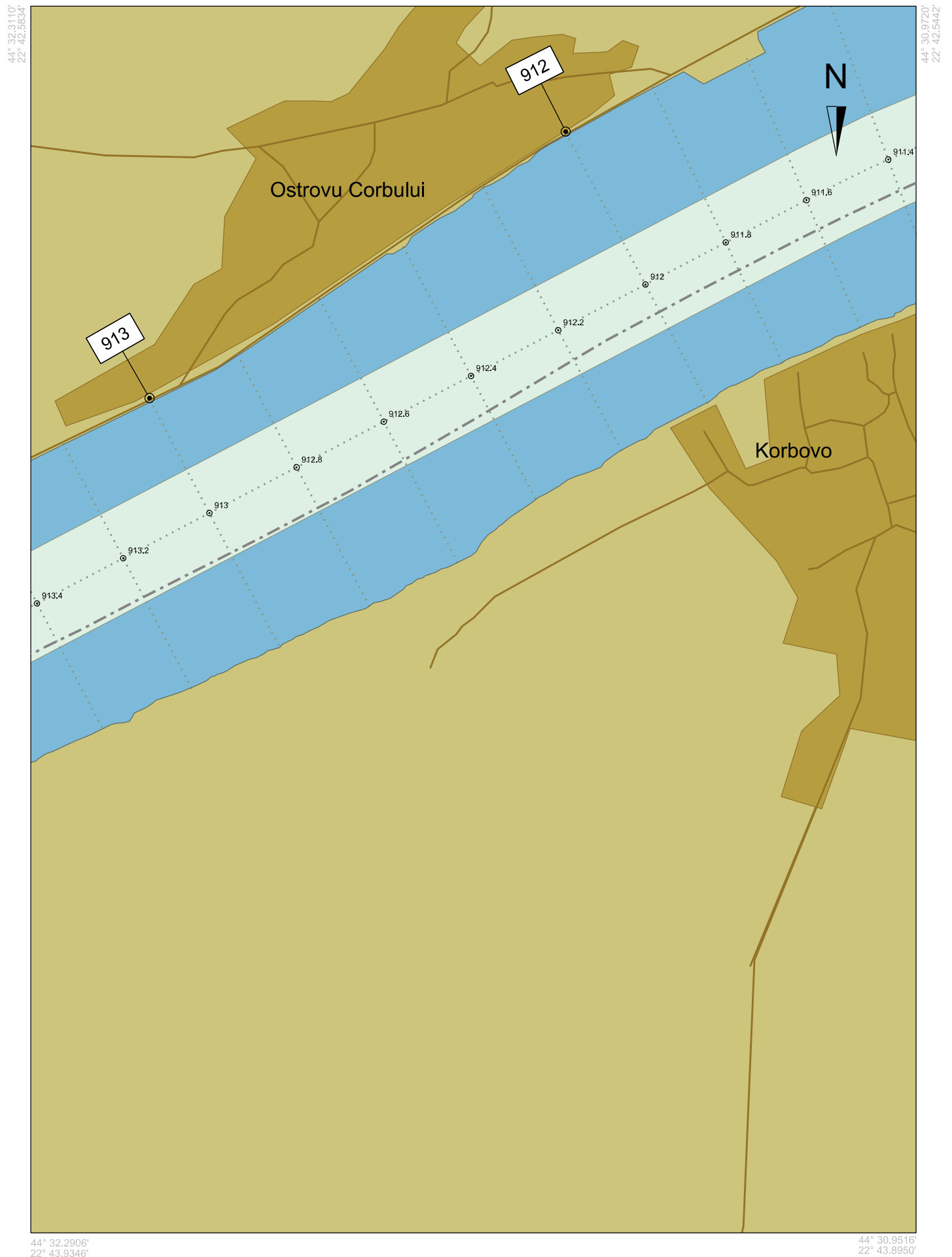
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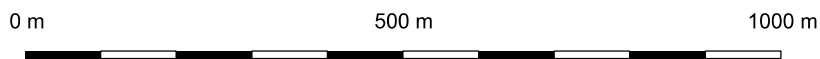
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44° 32.2700'
22° 45.2859'

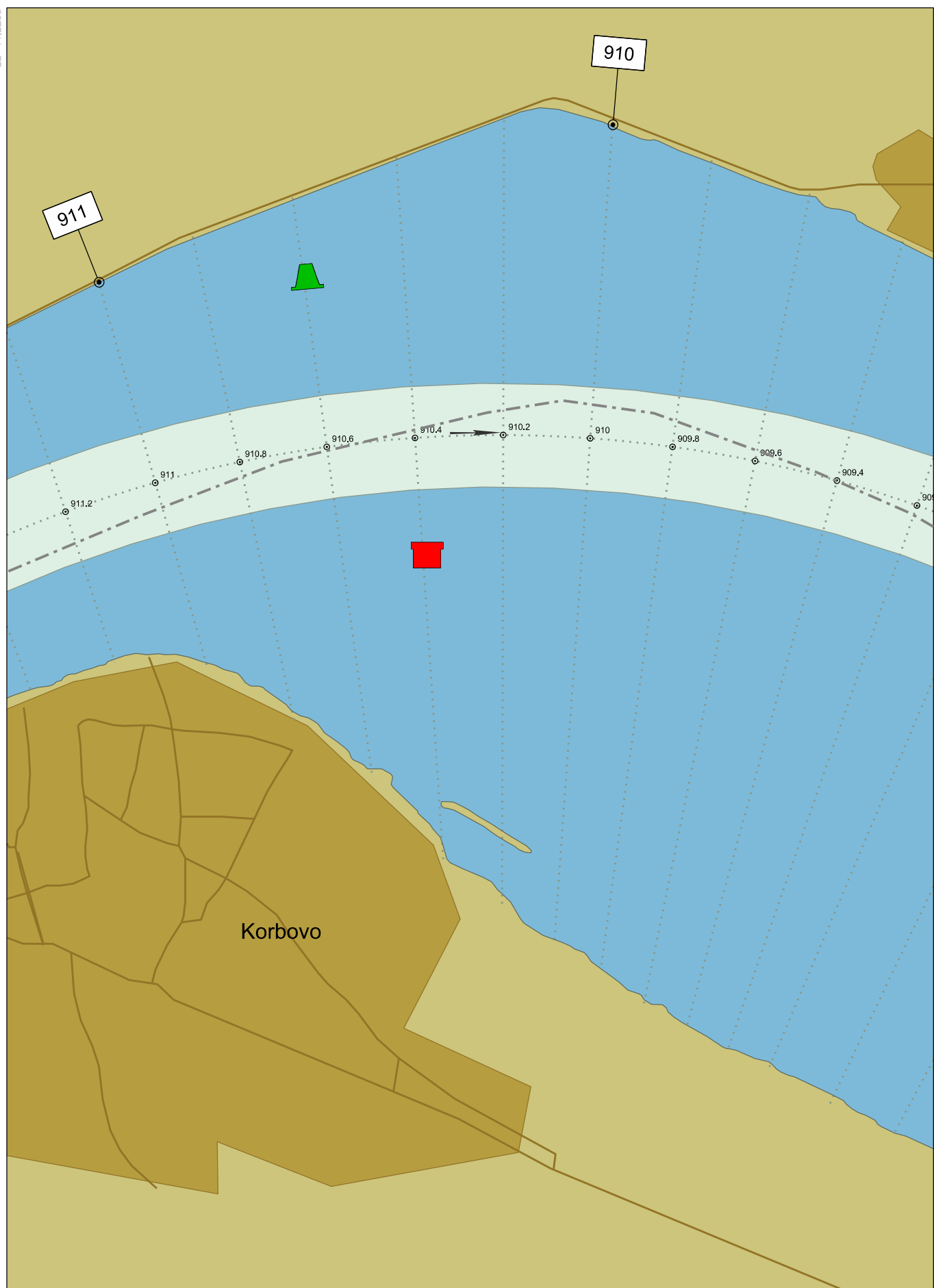
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22° 45.2457'





44° 31.9356'
22° 41.2203'

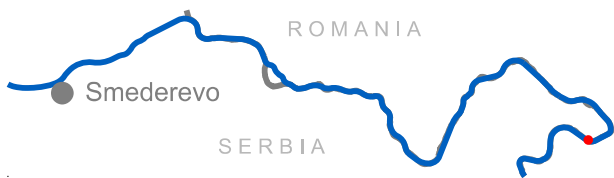
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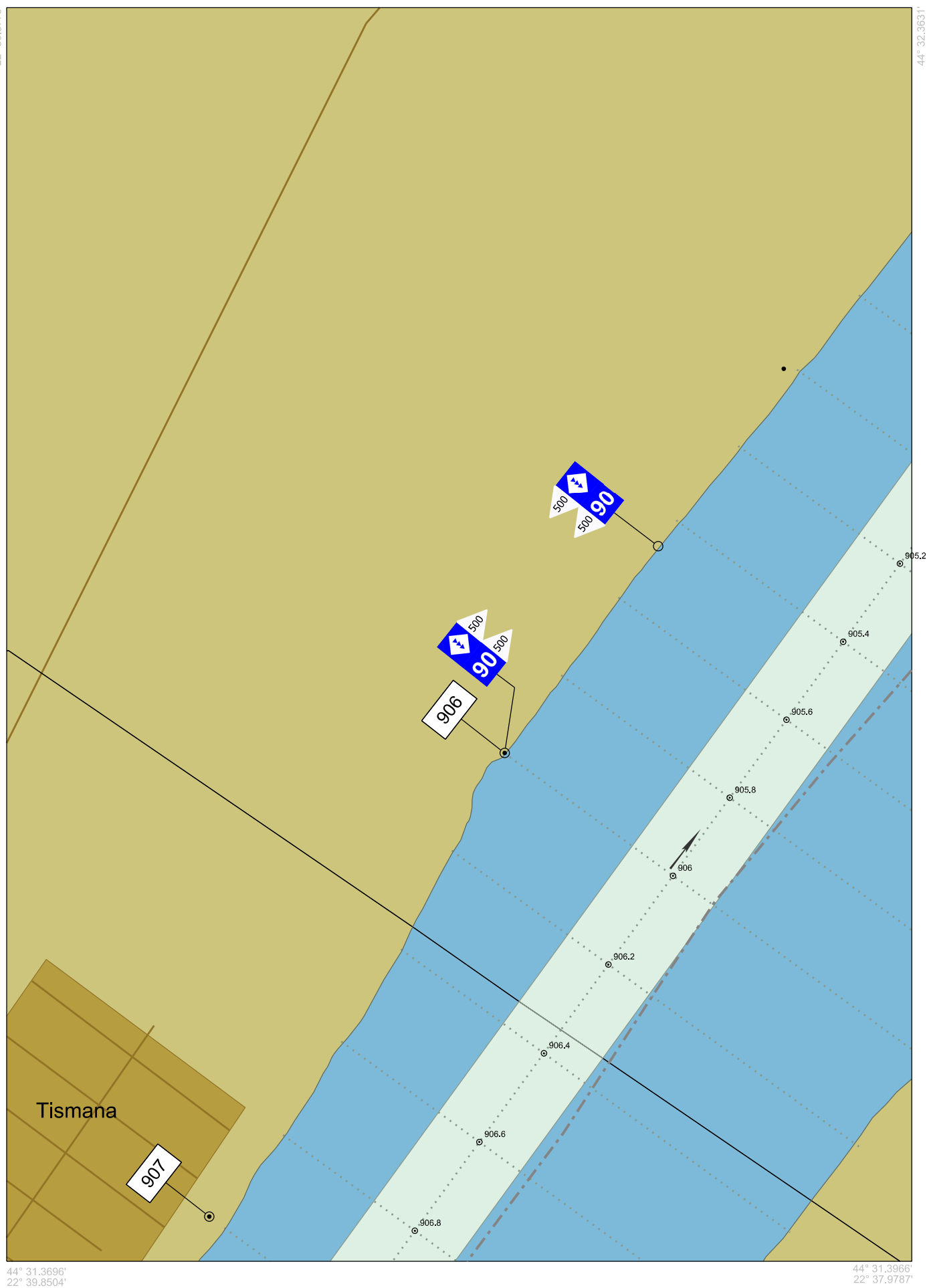
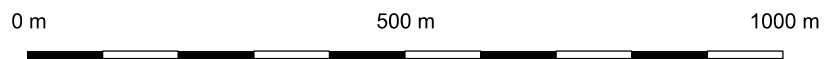


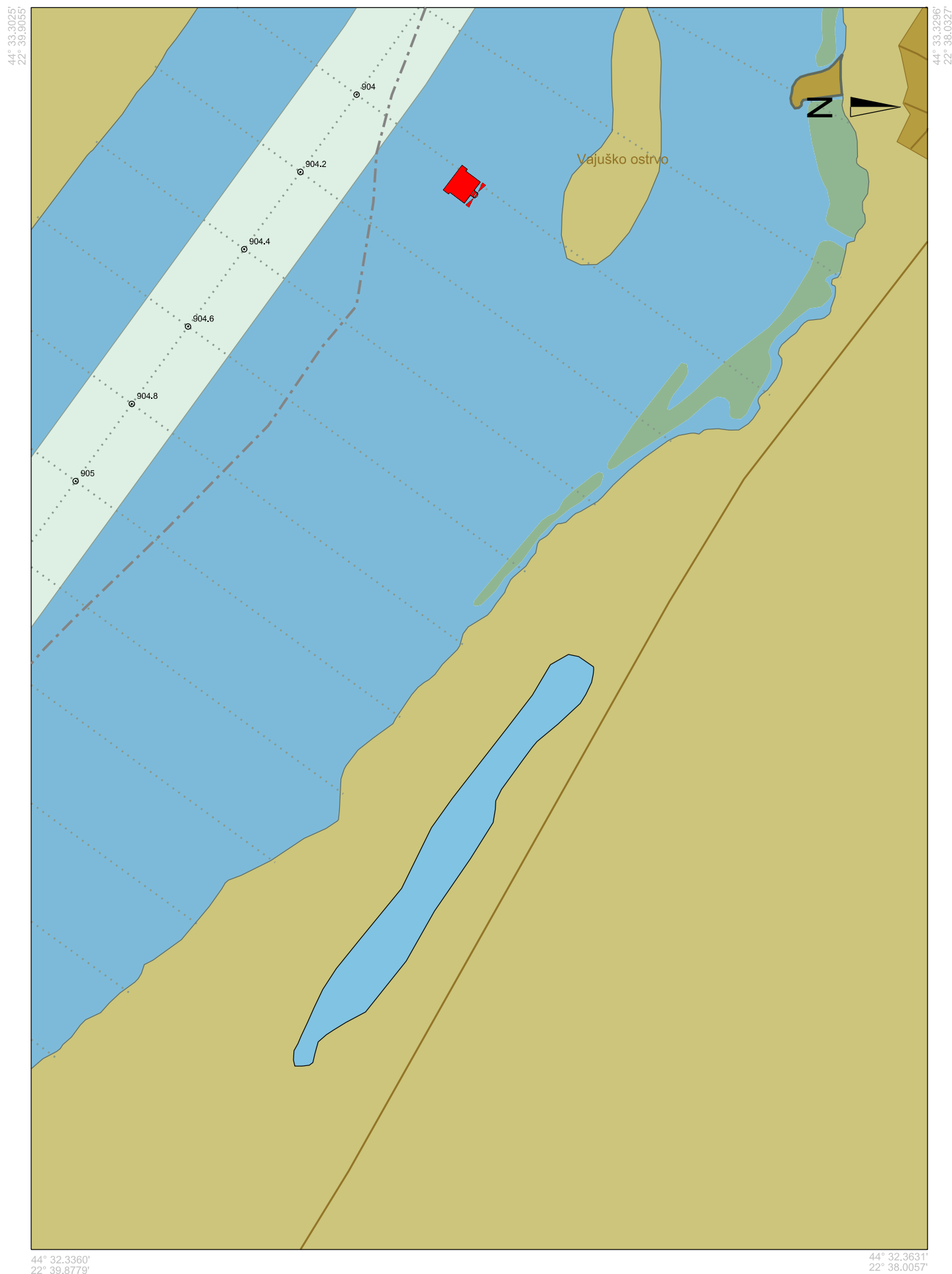
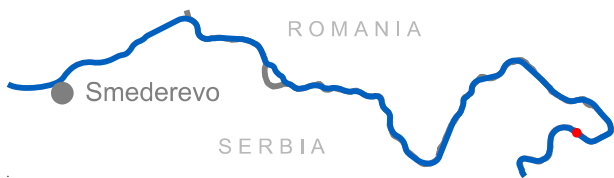
Korbovo

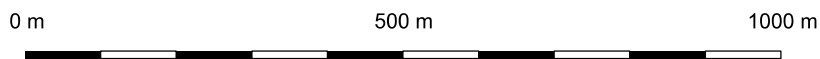
44° 31.9155'
22° 42.5714'

44° 30.5765'
22° 42.5323'



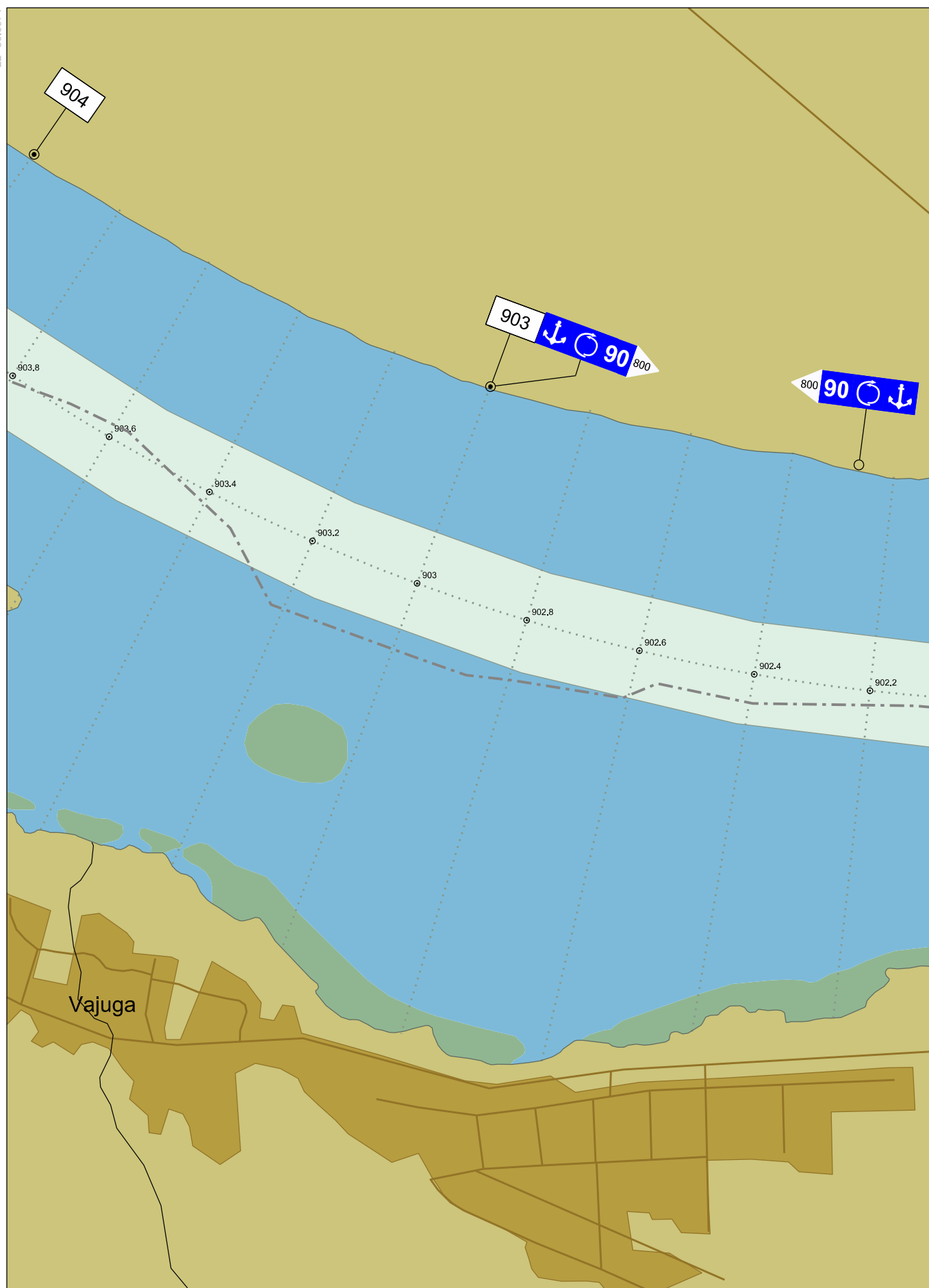






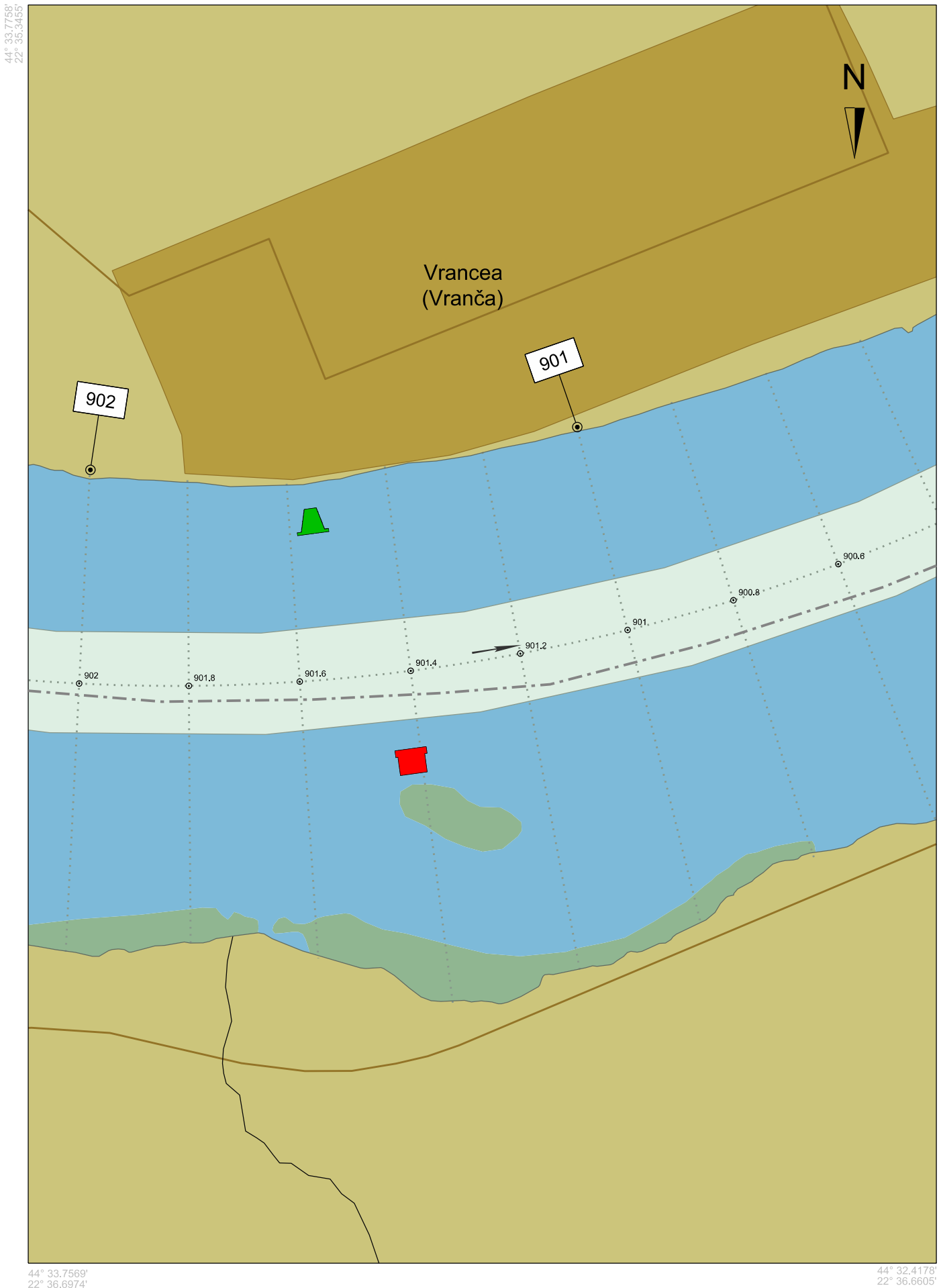
44° 33.7569'
22° 36.6974'

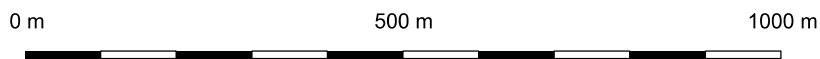
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22° 36.6605'



44° 33.7377'
22° 38.0493'

44° 32.3986'
22° 38.0118'





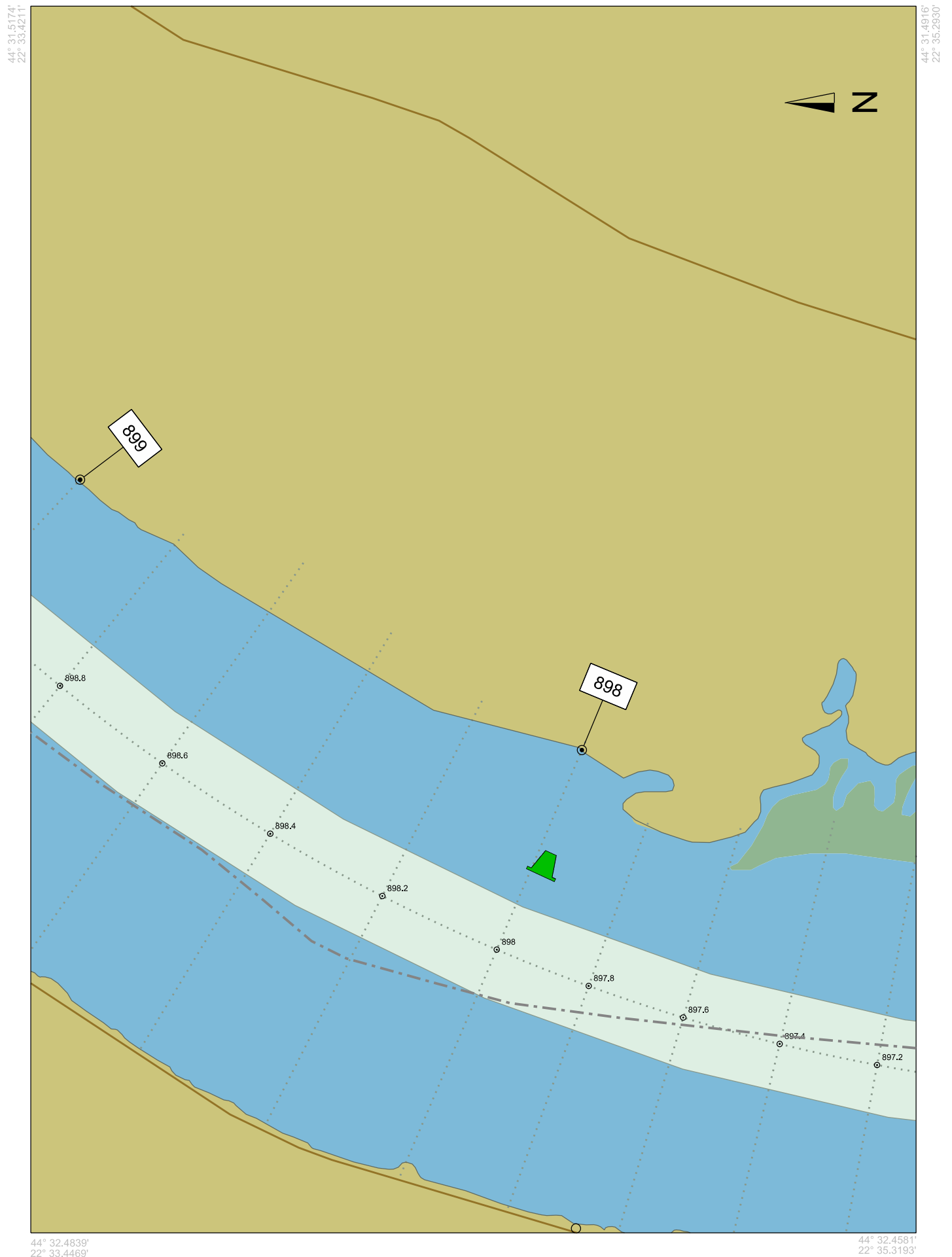
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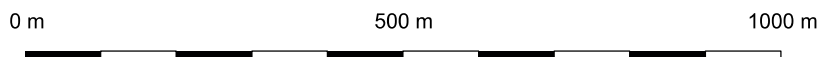
44° 32.4581'
22° 35.3193'



44° 33.4504'
22° 33.4727'

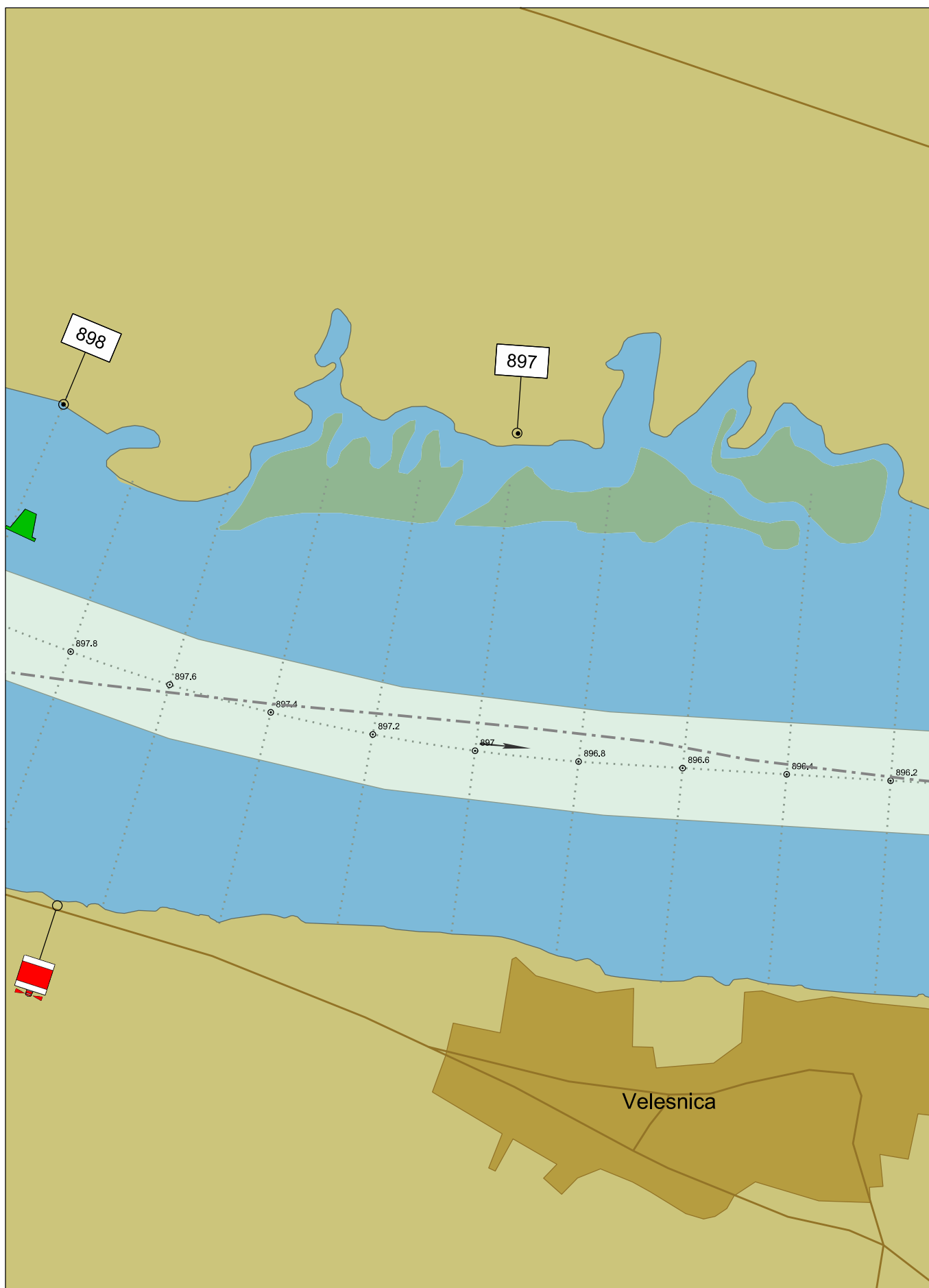
44° 33.4246'
22° 35.3456'





44° 30.9837'
22° 32.8495'

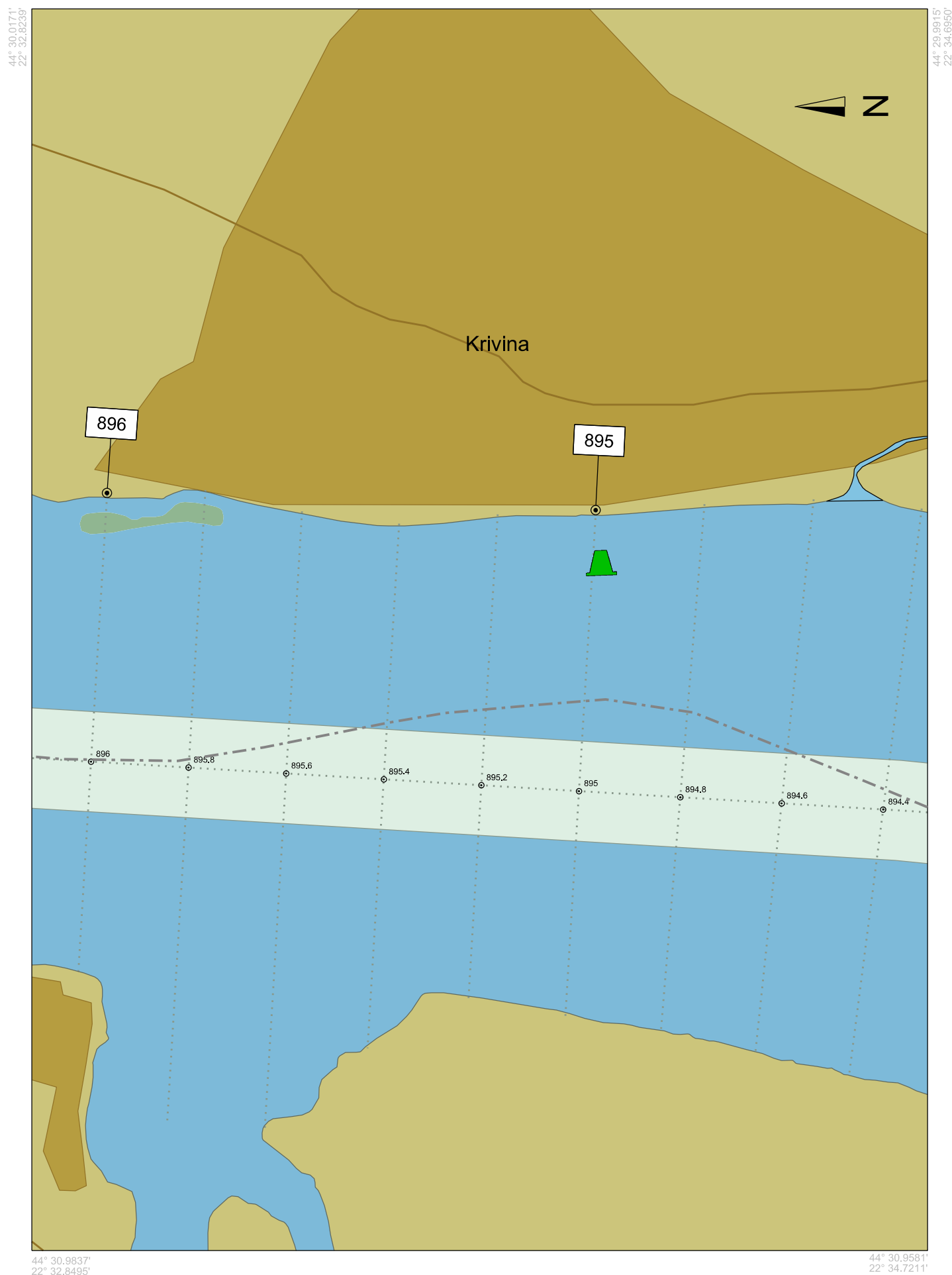
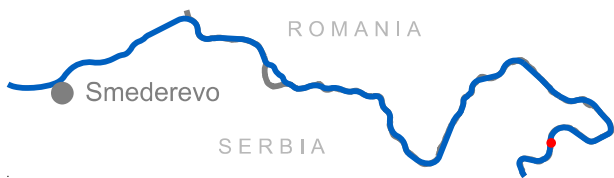
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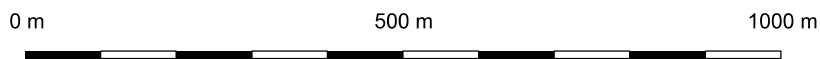


44° 31.9502'
22° 32.8751'

44° 31.9246'
22° 34.7472'

Velesnica





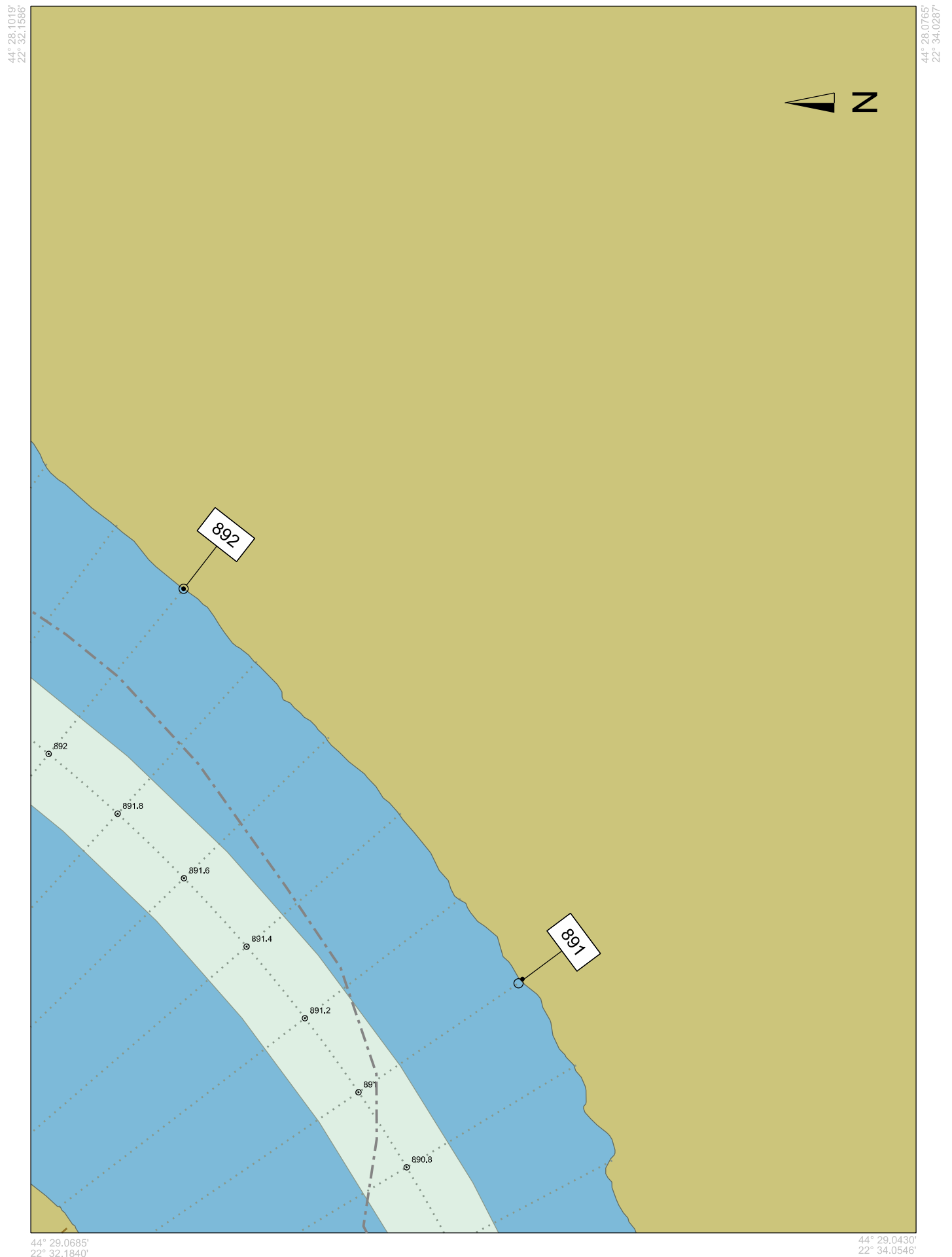
44° 29.0685'
22° 32.1840'

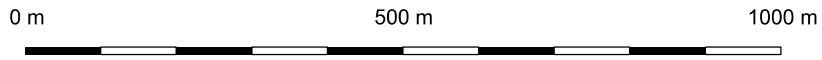
44° 29.0430'
22° 34.0546'



44° 30.0350'
22° 32.2094'

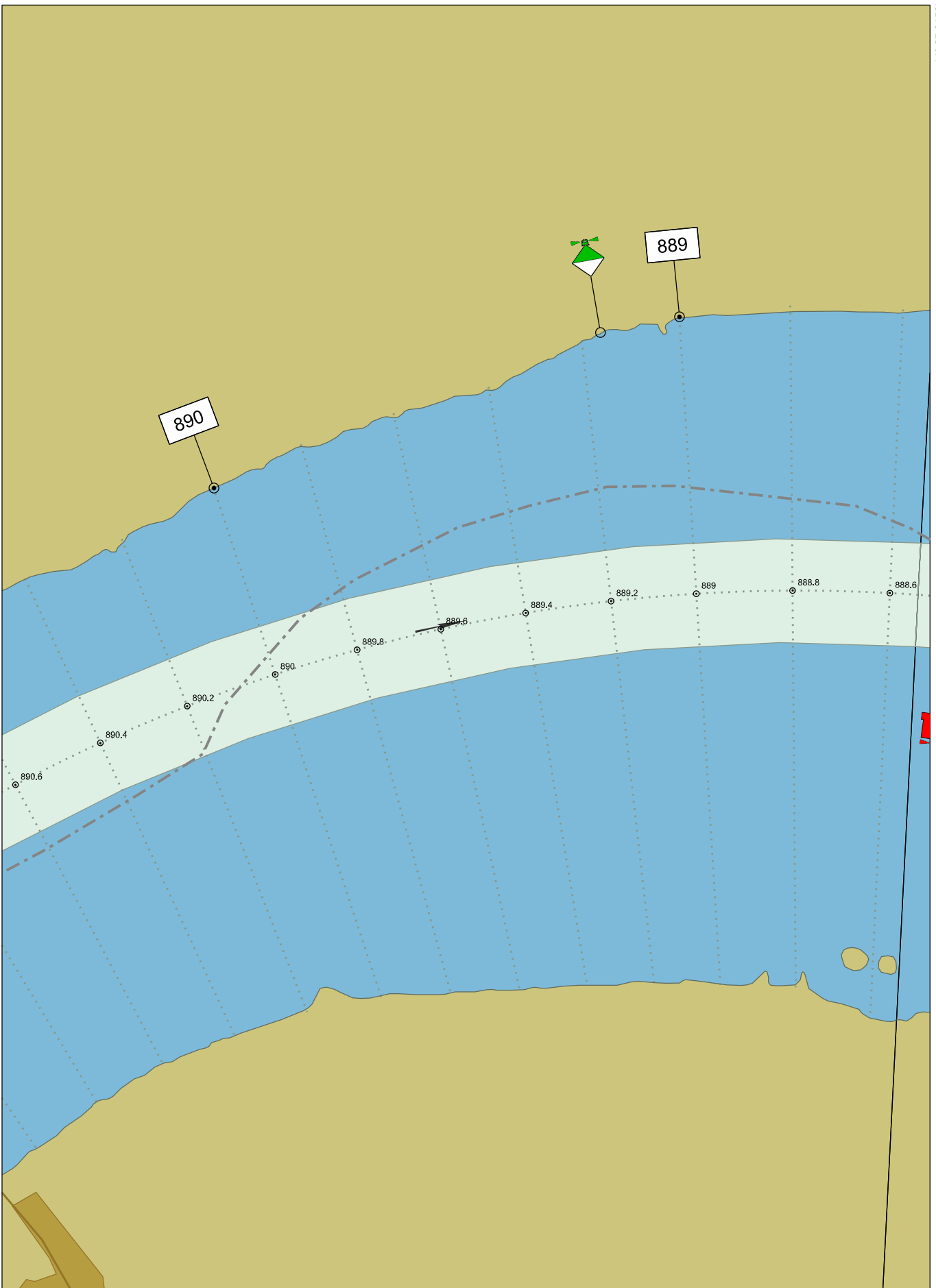
44° 30.0096'
22° 34.0805'





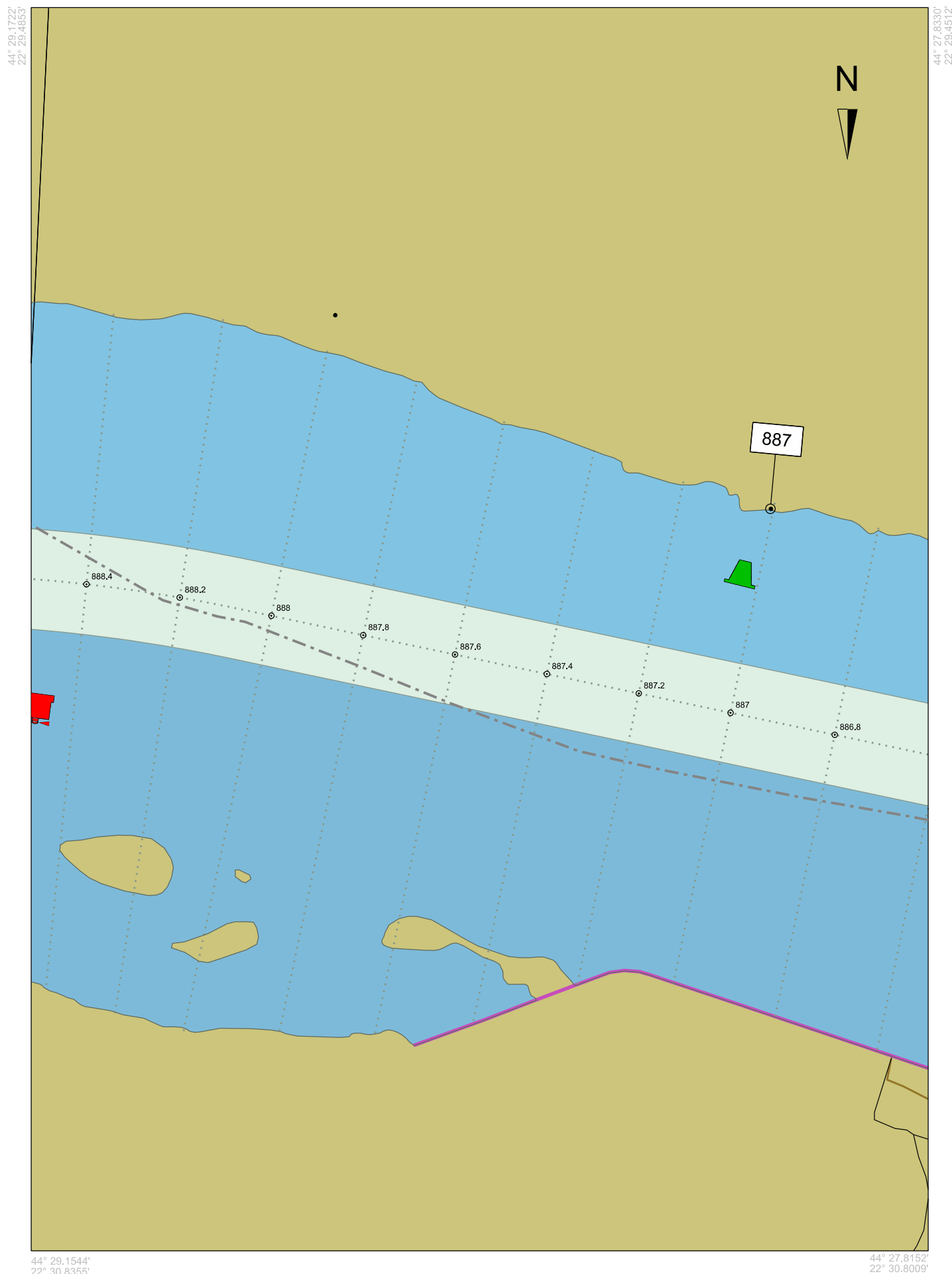
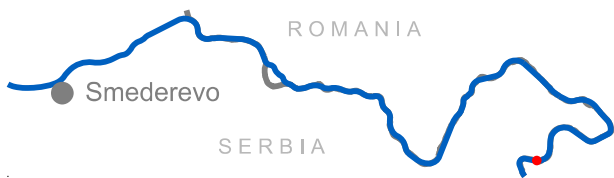
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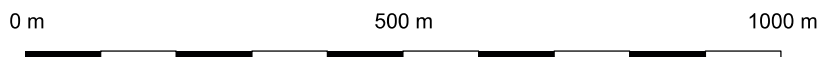
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22° 30.8009'



44° 29.1364'
22° 32.1857'

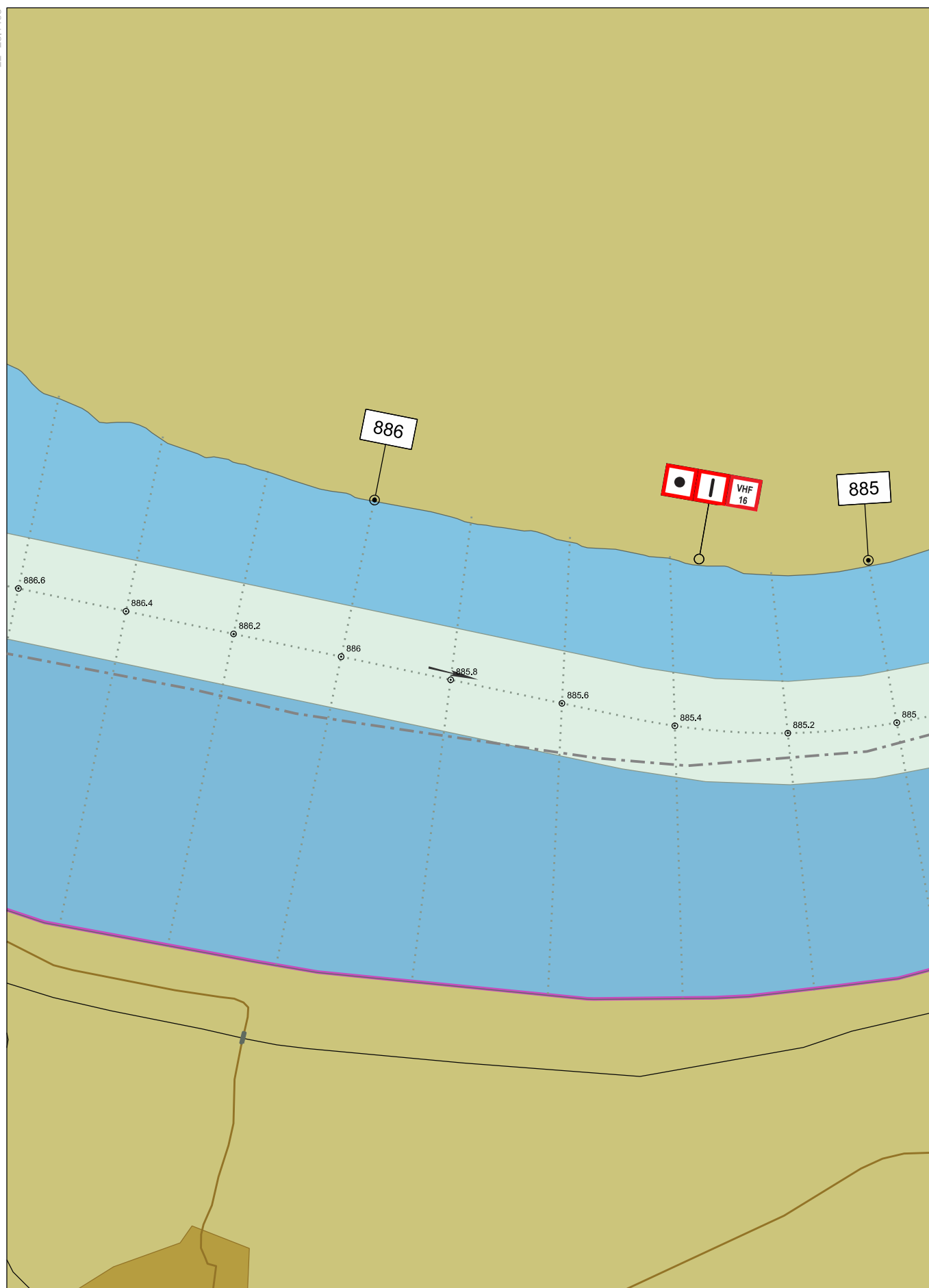
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22° 32.1506'





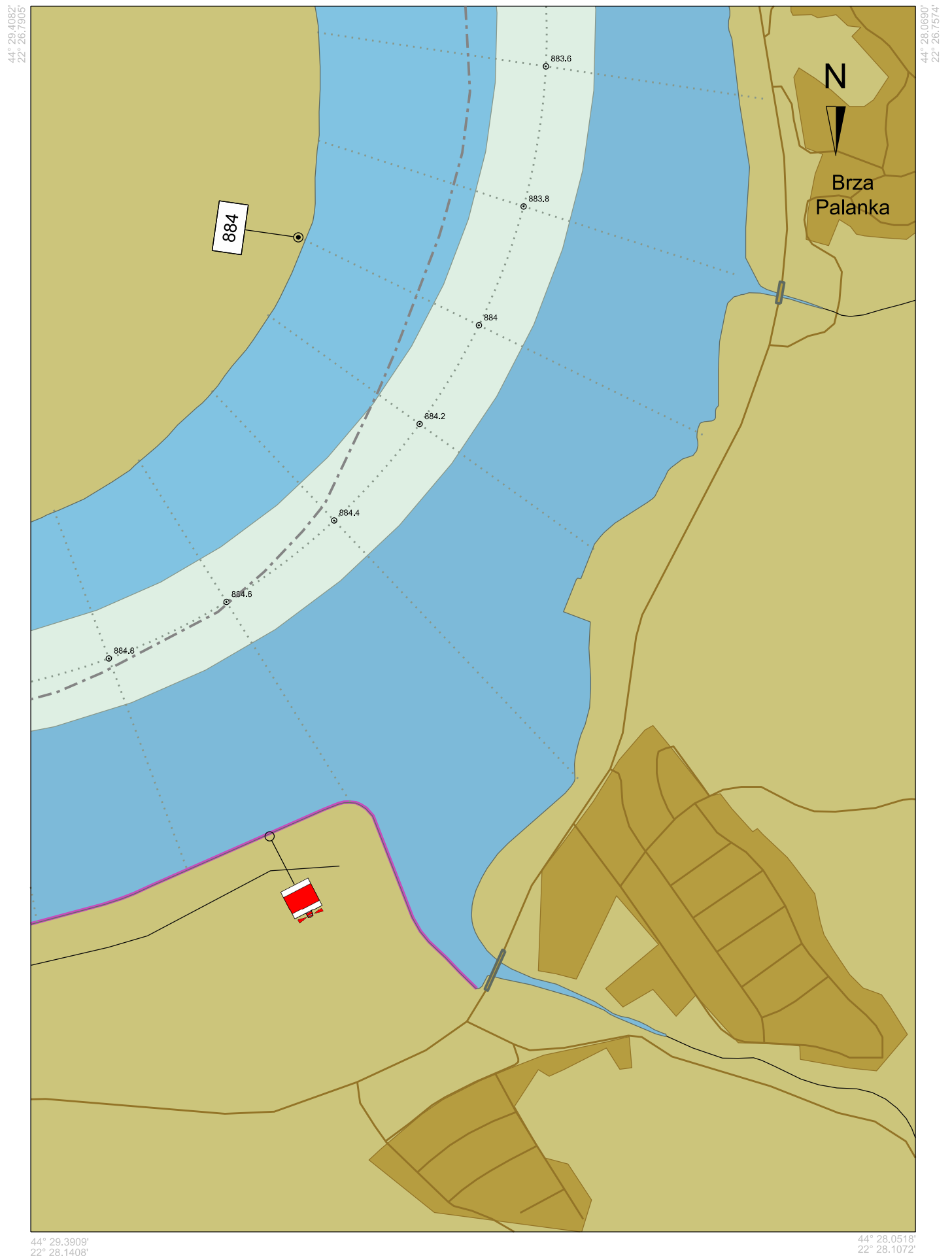
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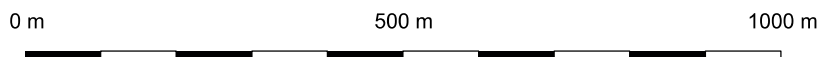
44° 28.0518'
22° 28.1072'



44° 29.3734'
22° 29.4911'

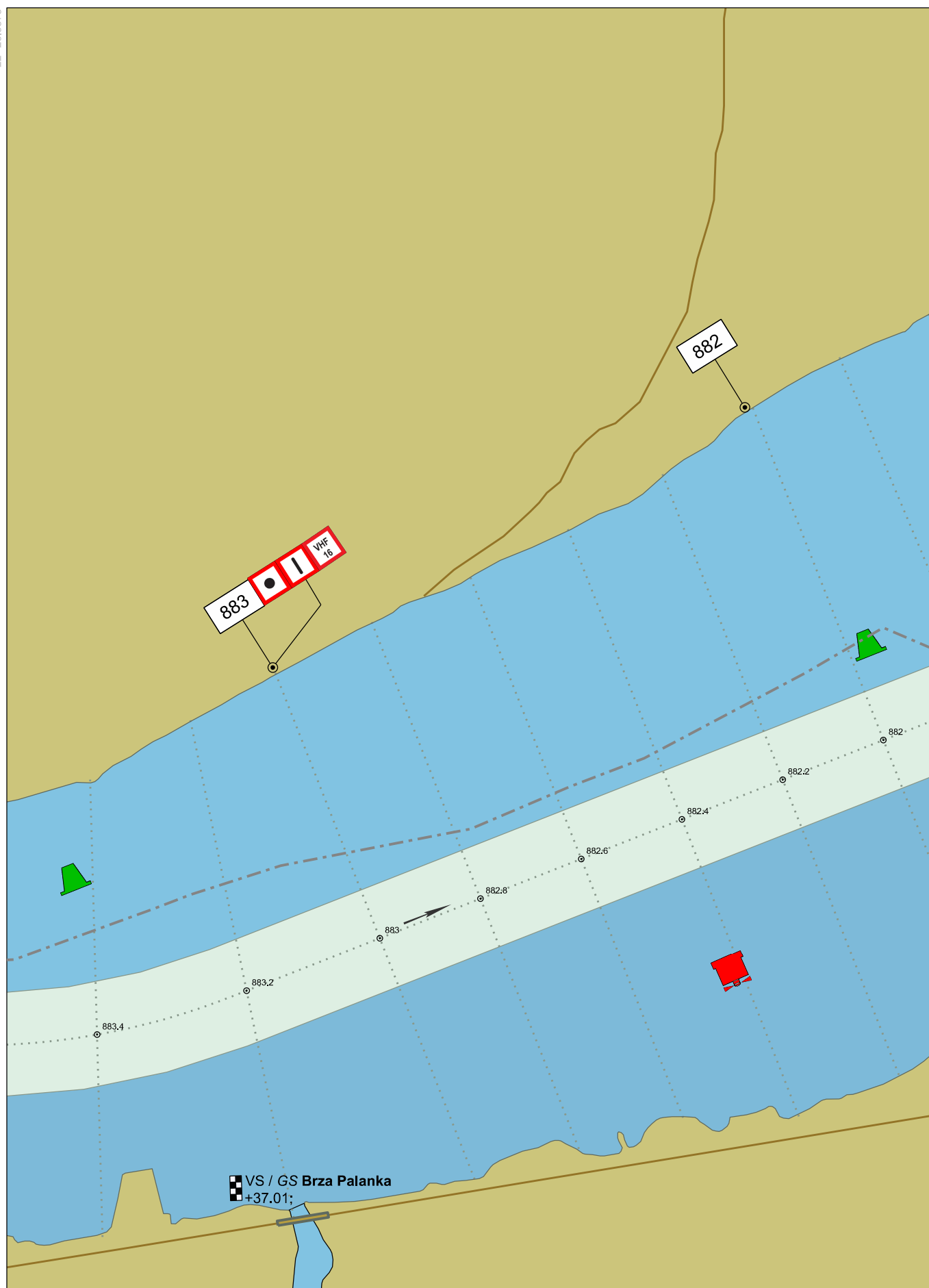
44° 28.0343'
22° 29.4570'





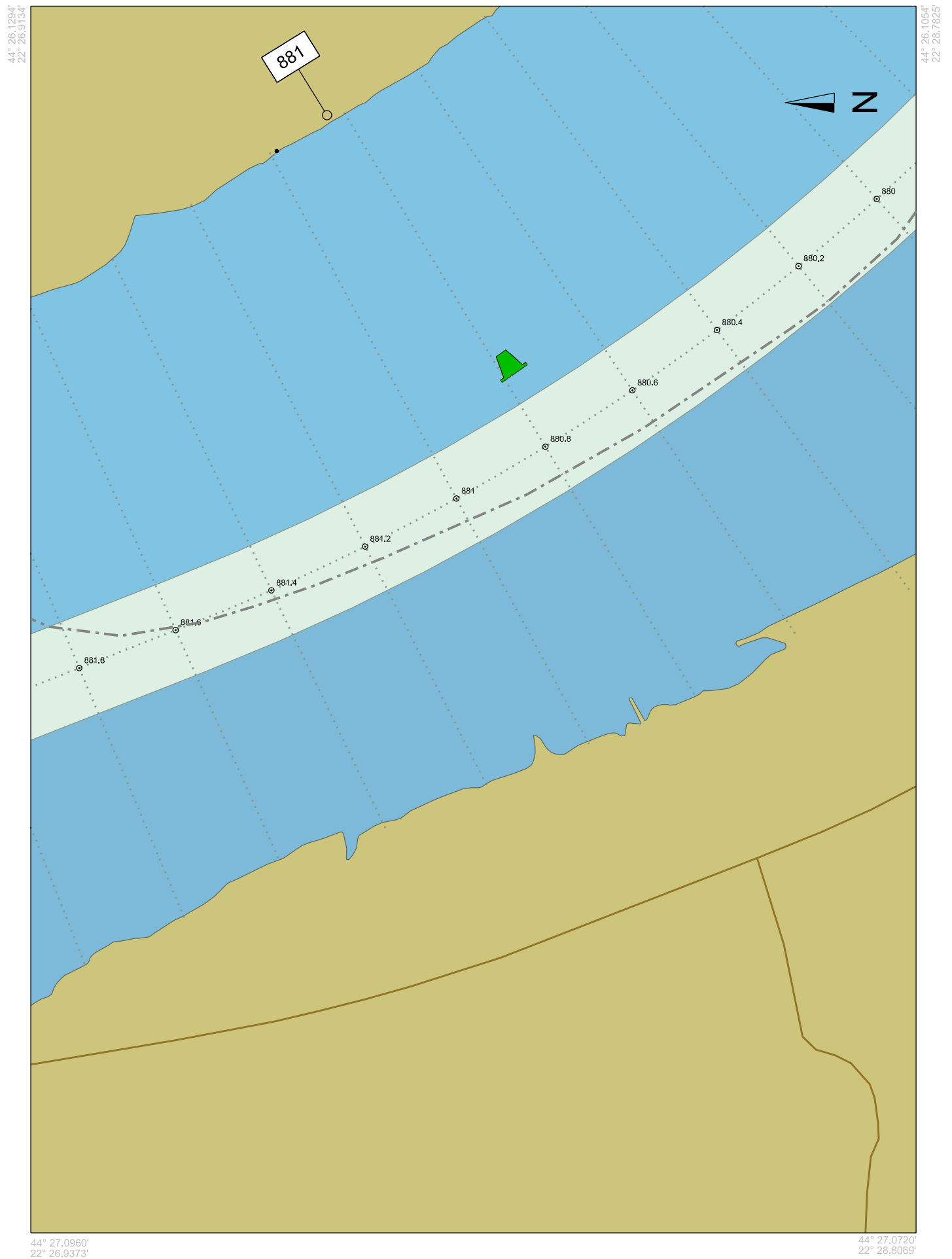
44° 27.0960'
22° 26.9373'

44° 27.0720'
22° 28.8069'



44° 28.0626'
22° 26.9612'

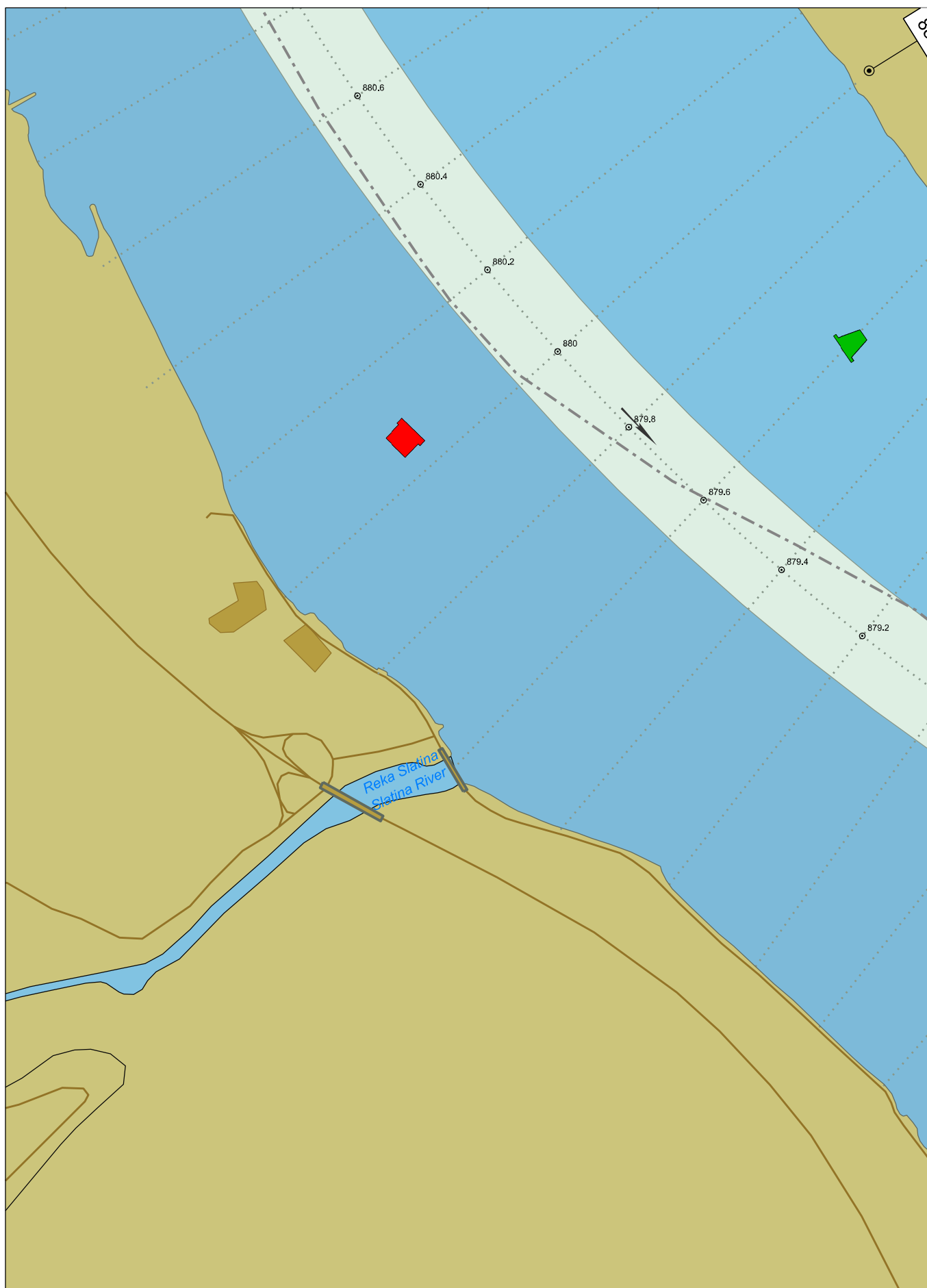
44° 28.0386'
22° 28.8313'



0 m 500 m 1000 m

44° 25.1646'
22° 29.0099'

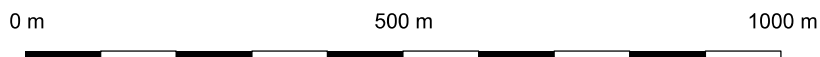
44° 26.5037'
22° 29.0437'



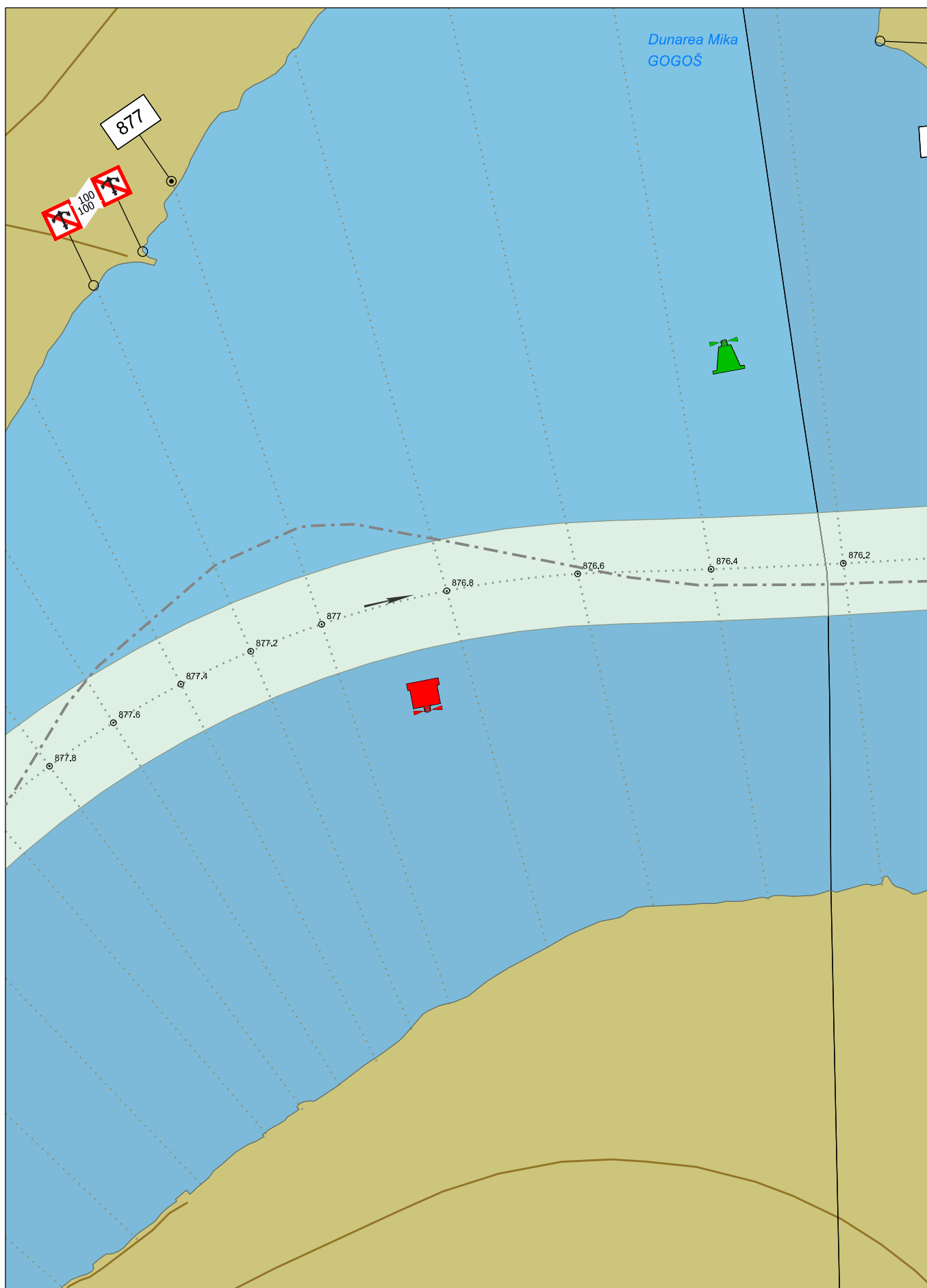
44° 25.1820'
22° 27.6612'

44° 26.5211'
22° 27.6946'





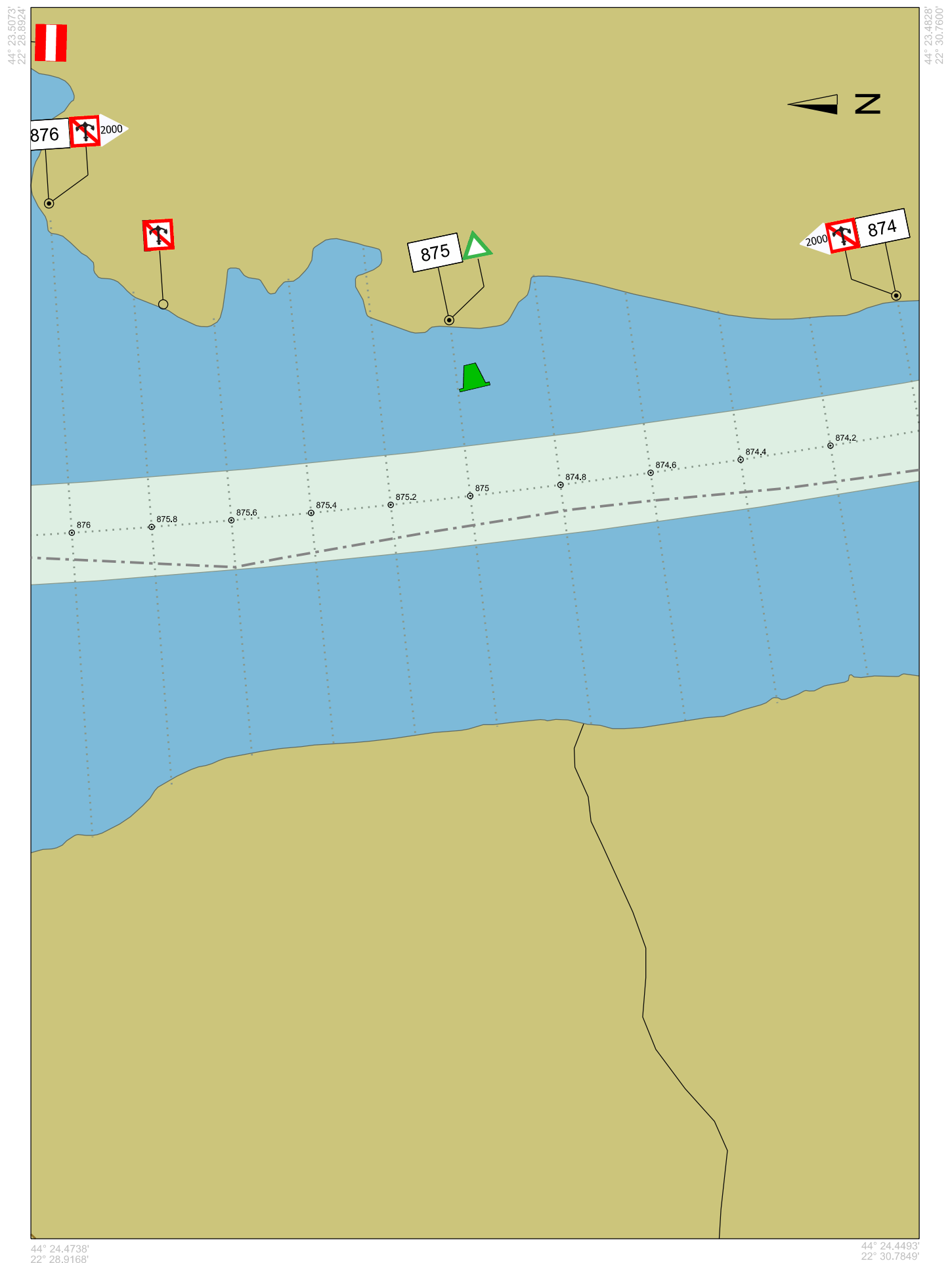
44° 24.4738'
22° 28.9168'

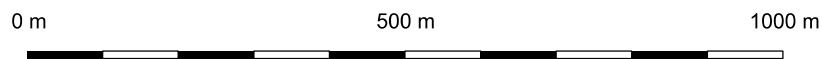


44° 24.4493'
22° 30.7849'

44° 25.4404'
22° 28.9412'

44° 25.4159'
22° 30.8099'





44° 22' 53.77"
22° 29' 43.17"

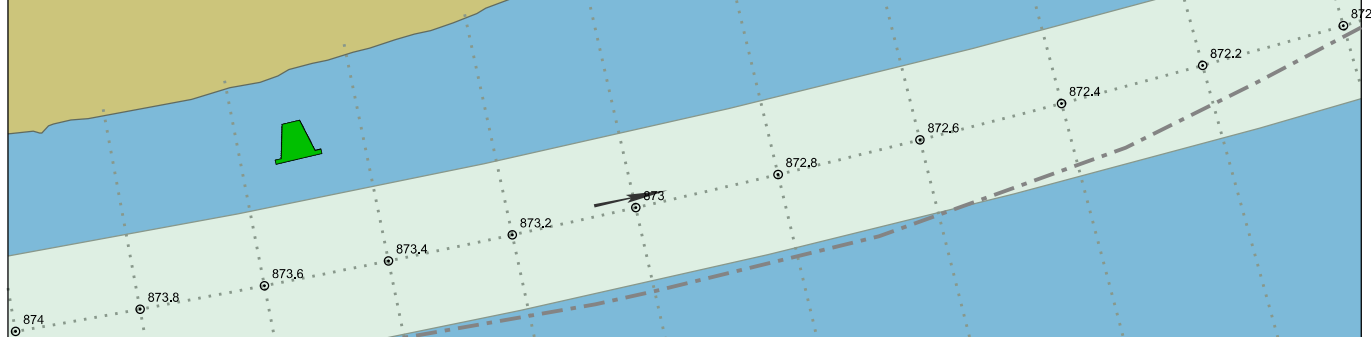
44° 22' 51.31"
22° 31' 29.89"

Ostrovu Mare

873

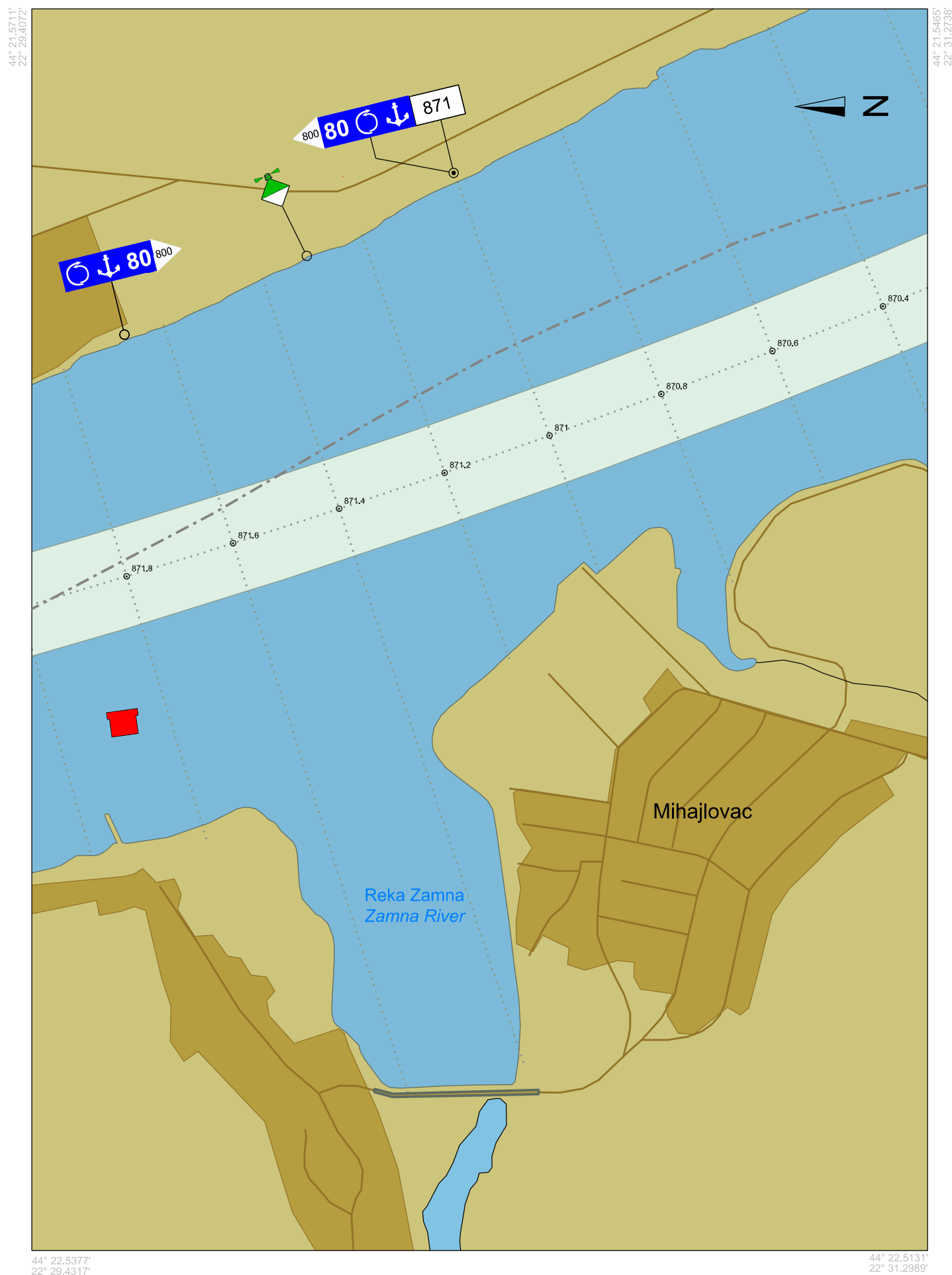
872

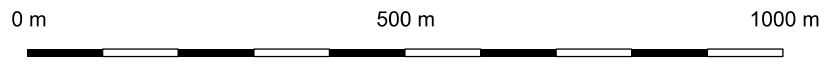
VHF
16



44° 23' 50.43"
22° 29' 45.63"

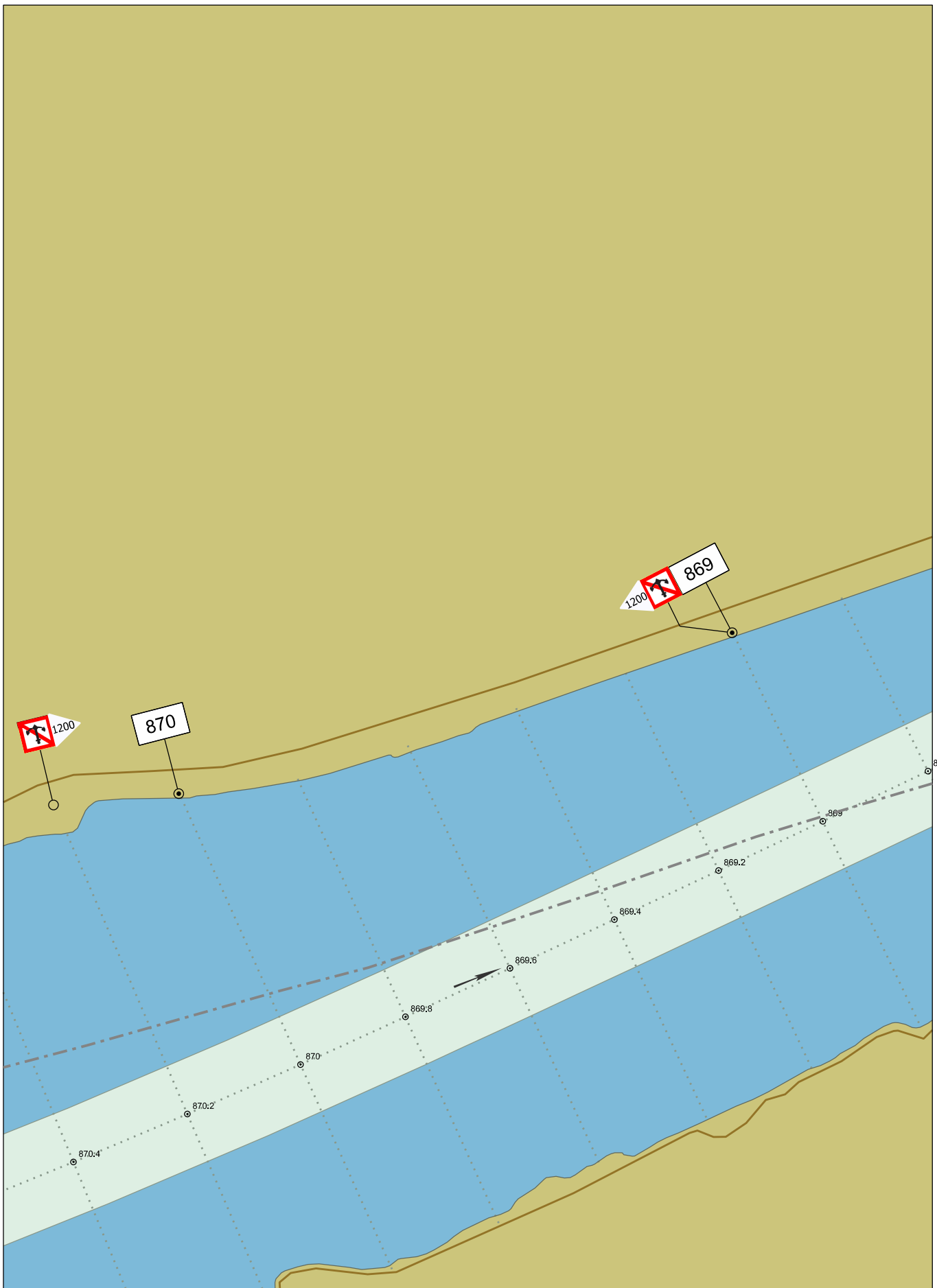
44° 23' 47.97"
22° 31' 32.39"





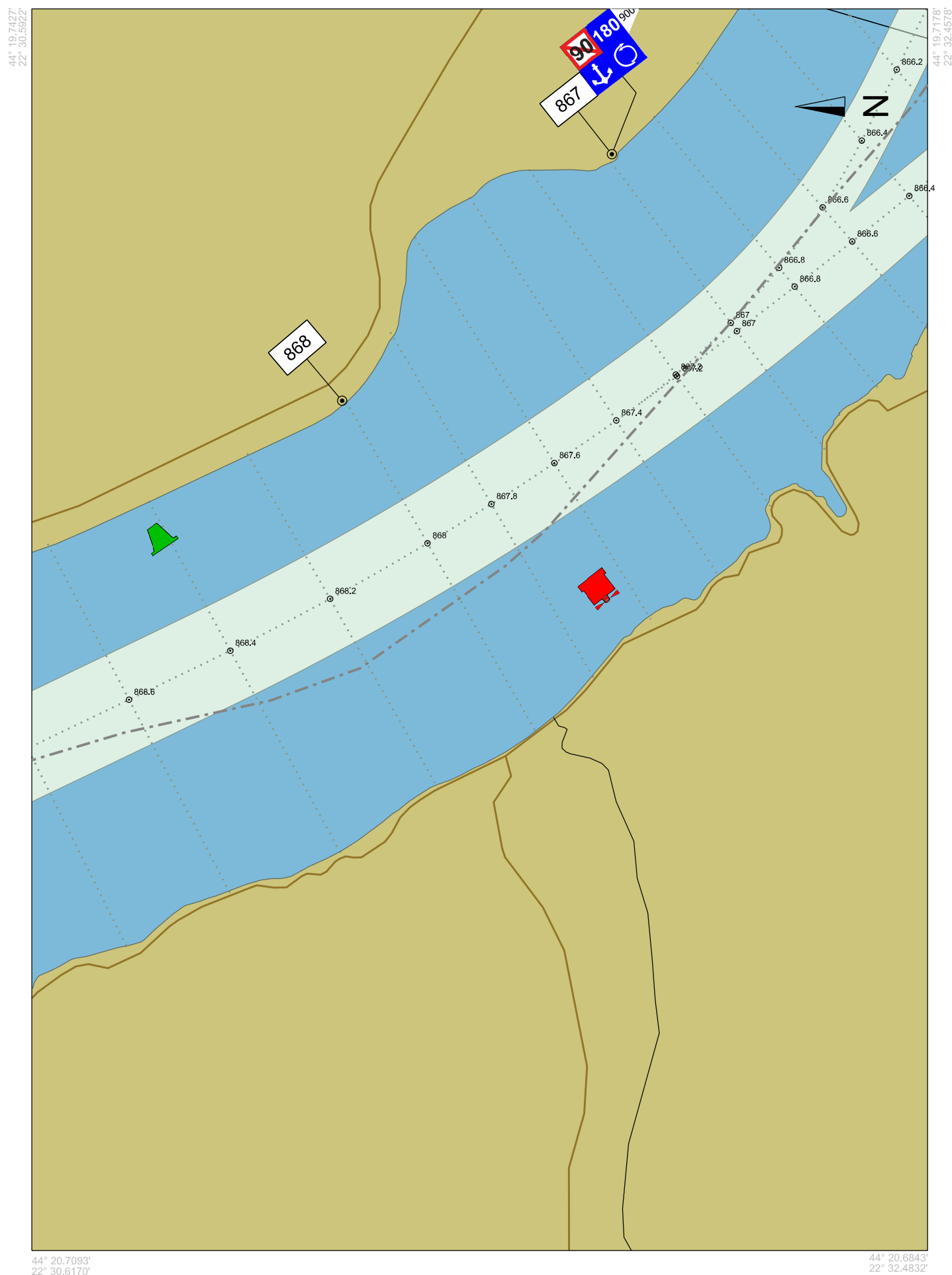
44° 20.7093'
22° 30.6170'

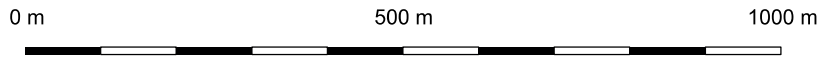
44° 20.6843'
22° 32.4832'



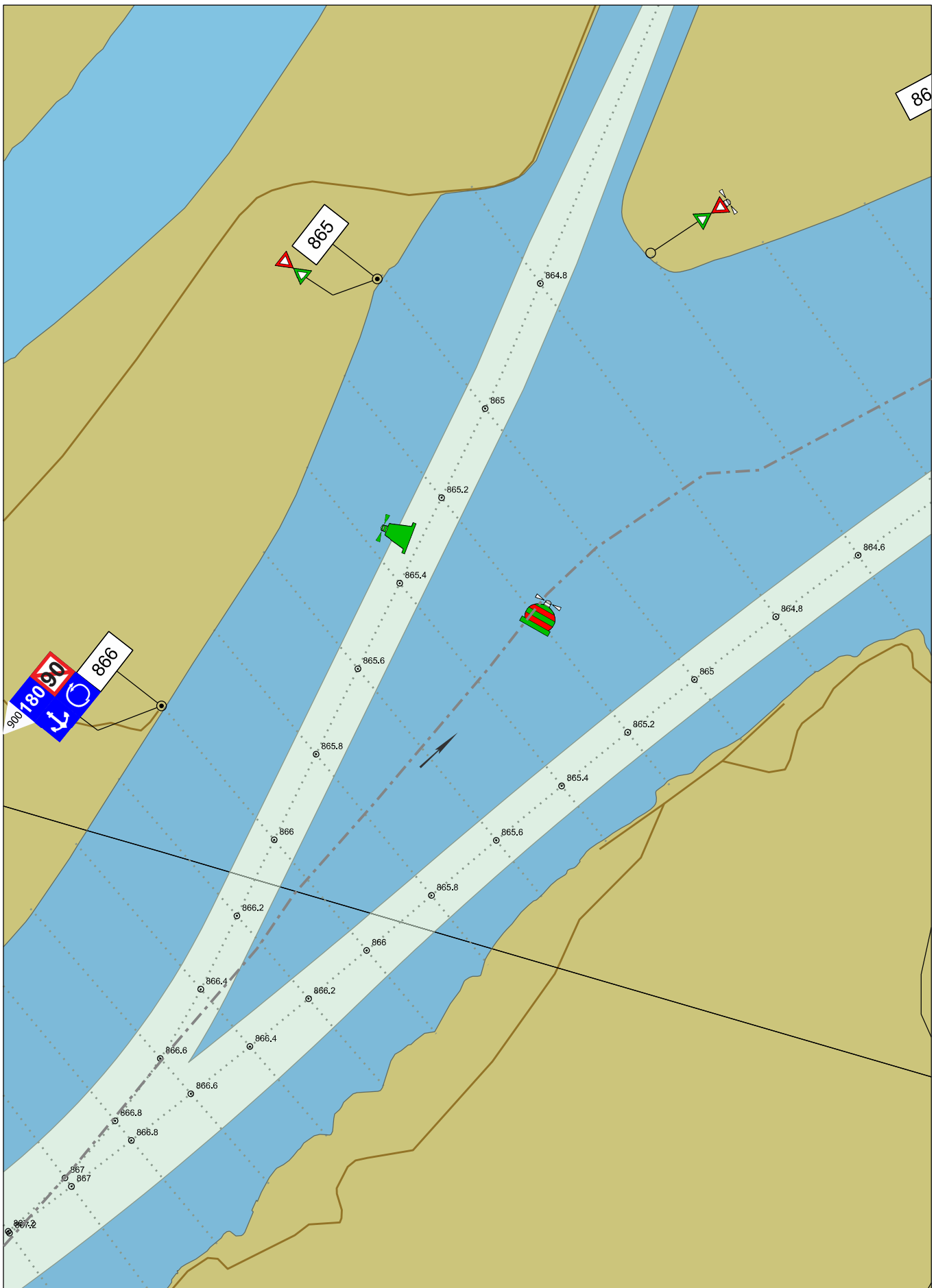
44° 21.6759'
22° 30.6418'

44° 21.6509'
22° 32.5085'





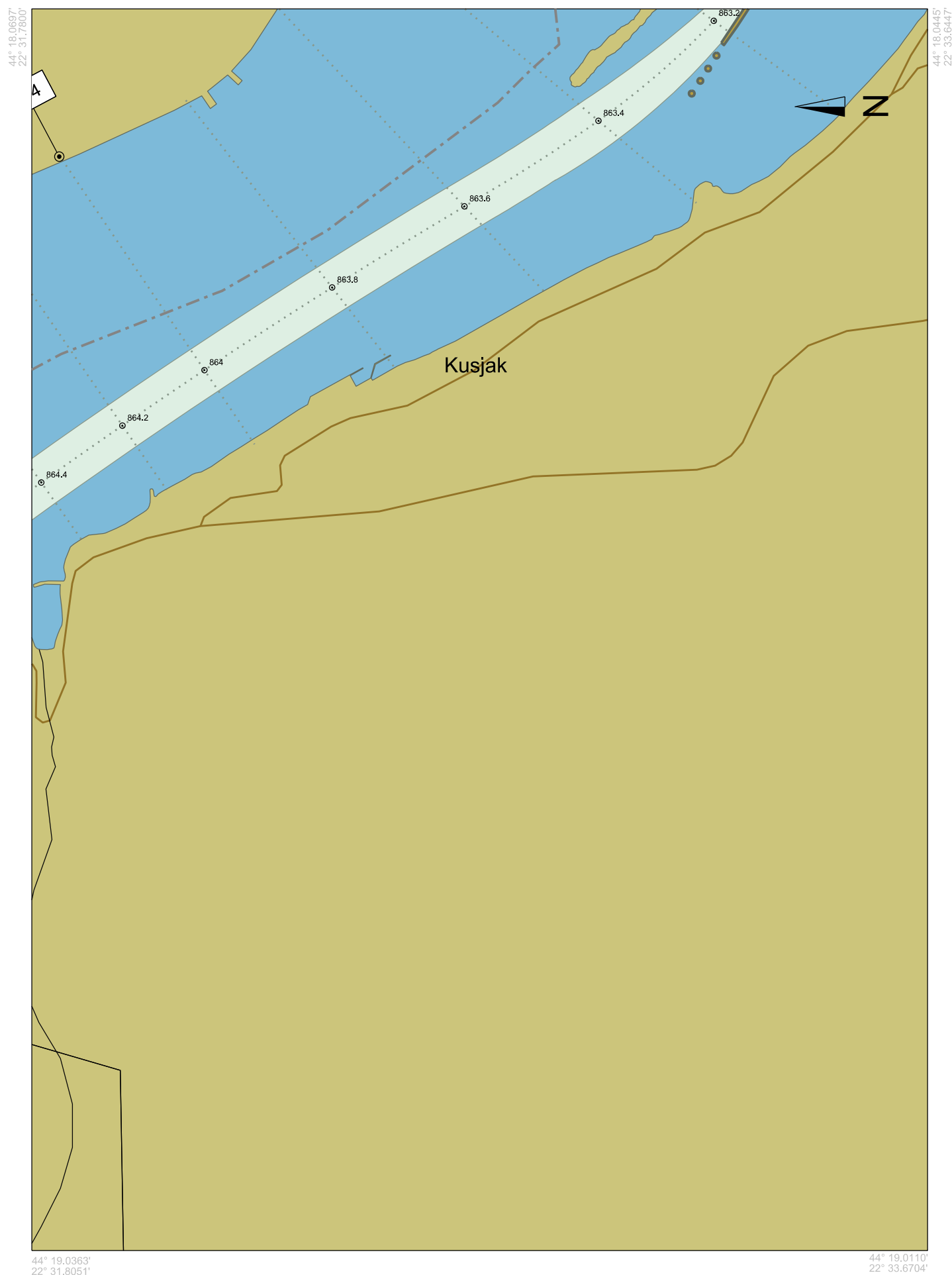
44° 19.0363'
22° 31.8051'

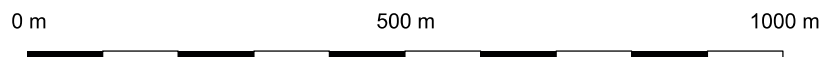


44° 19.0110'
22° 33.6704'

44° 20.0029'
22° 31.8303'

44° 19.9776'
22° 33.6960'





44° 18.5829'
22° 33.6668'

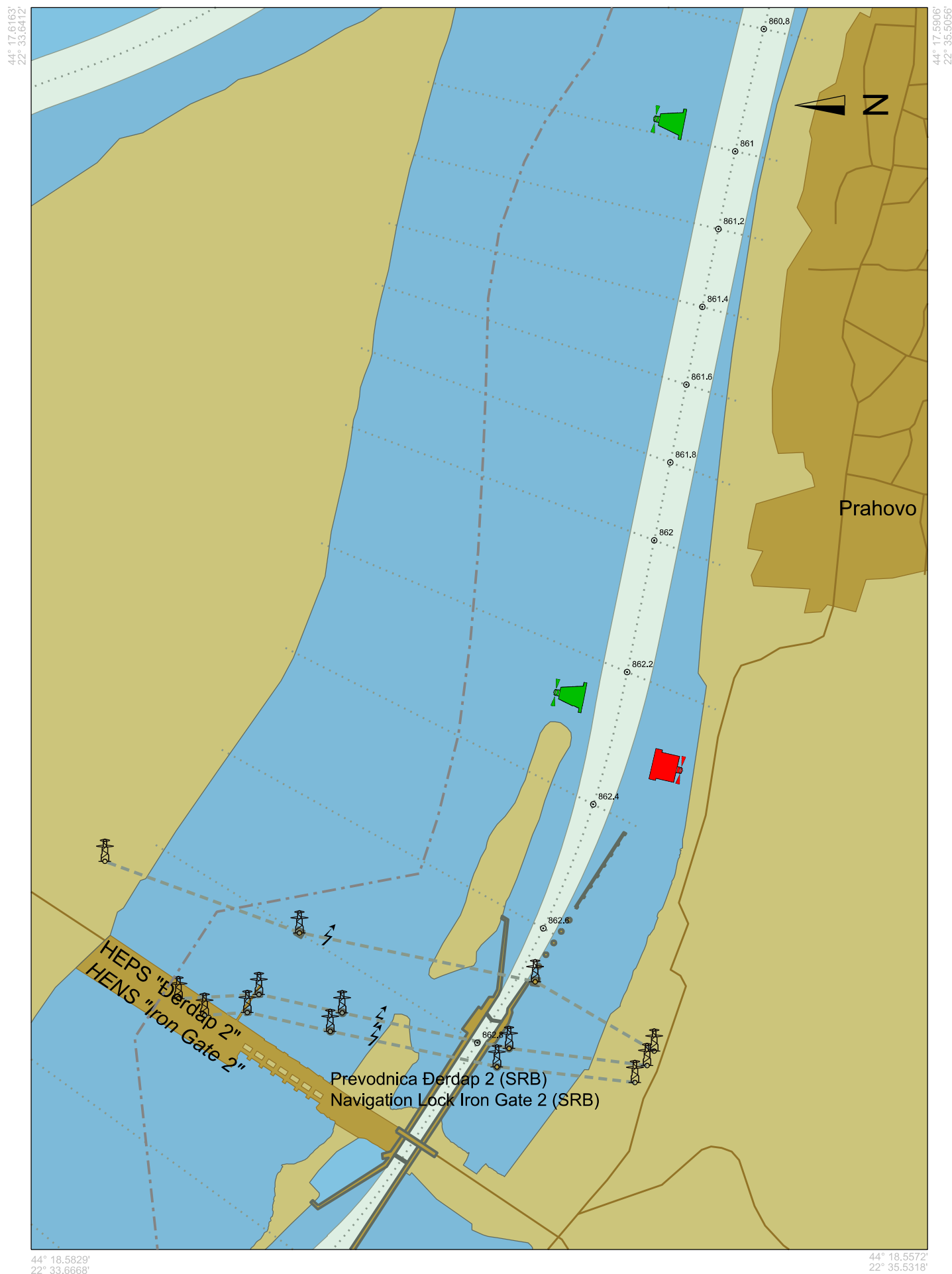


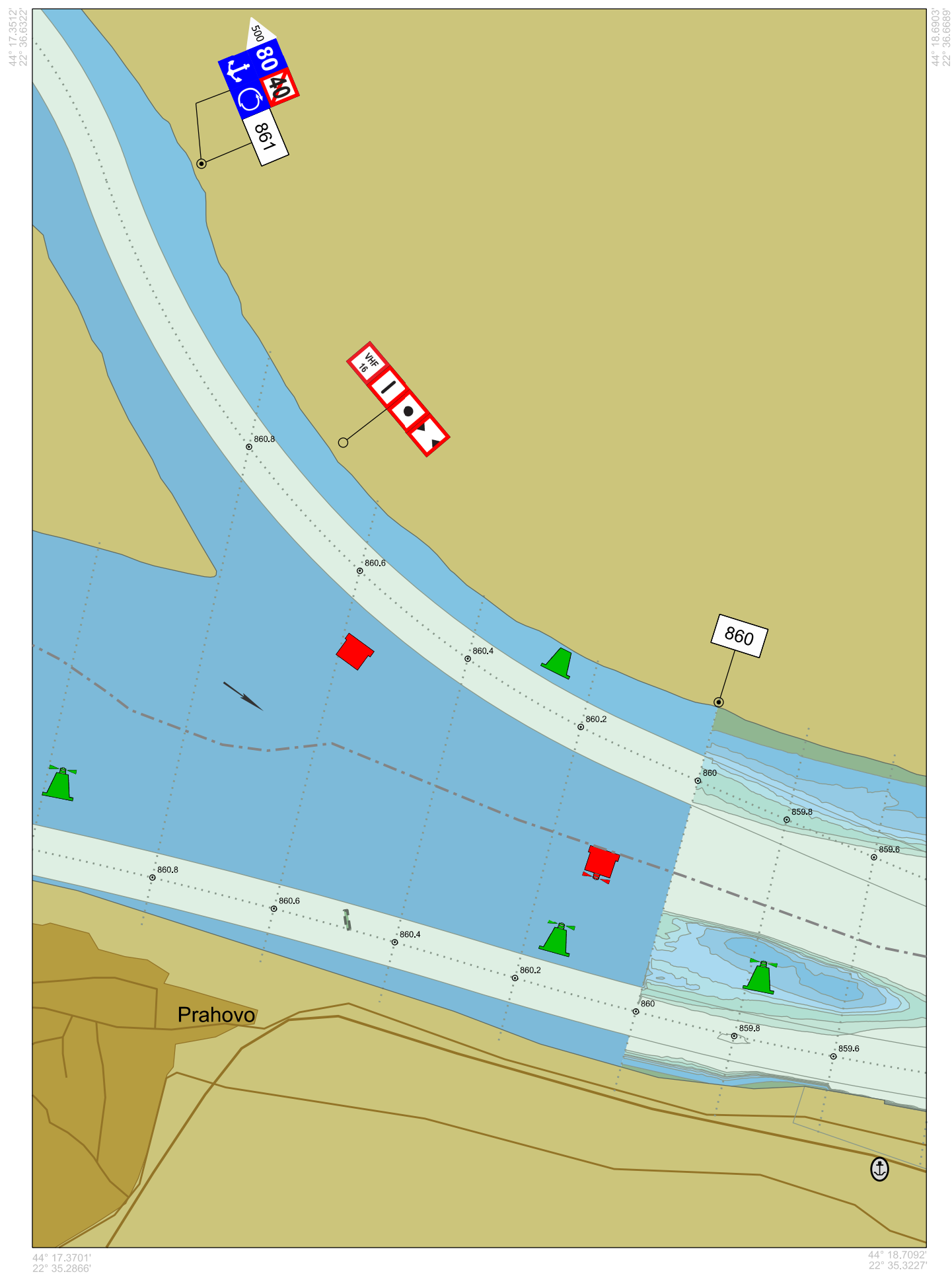
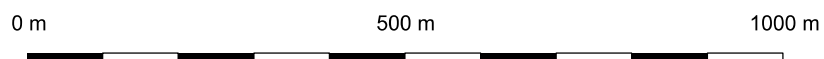
44° 18.5572'
22° 35.5318'

Prevodnica Đerdap 2 (ROM)
Navigation Lock Iron Gate 2 (ROM)

44° 19.5495'
22° 33.6924'

44° 19.5237'
22° 35.5579'





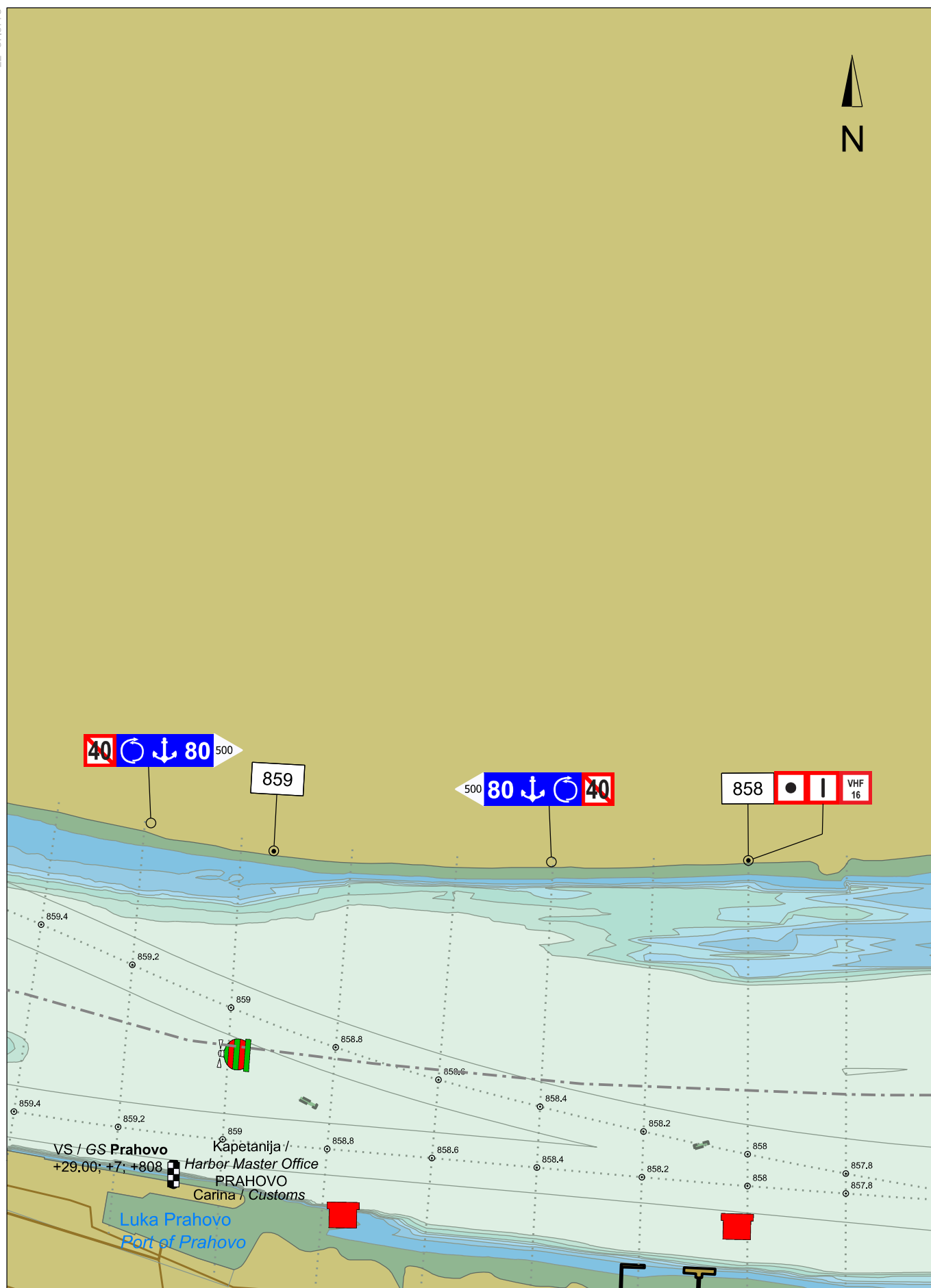
Prahovo

860

860

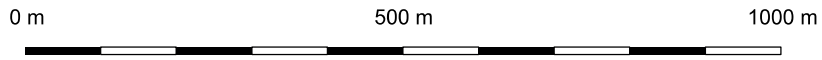


44° 17.3321'
22° 37.9778'



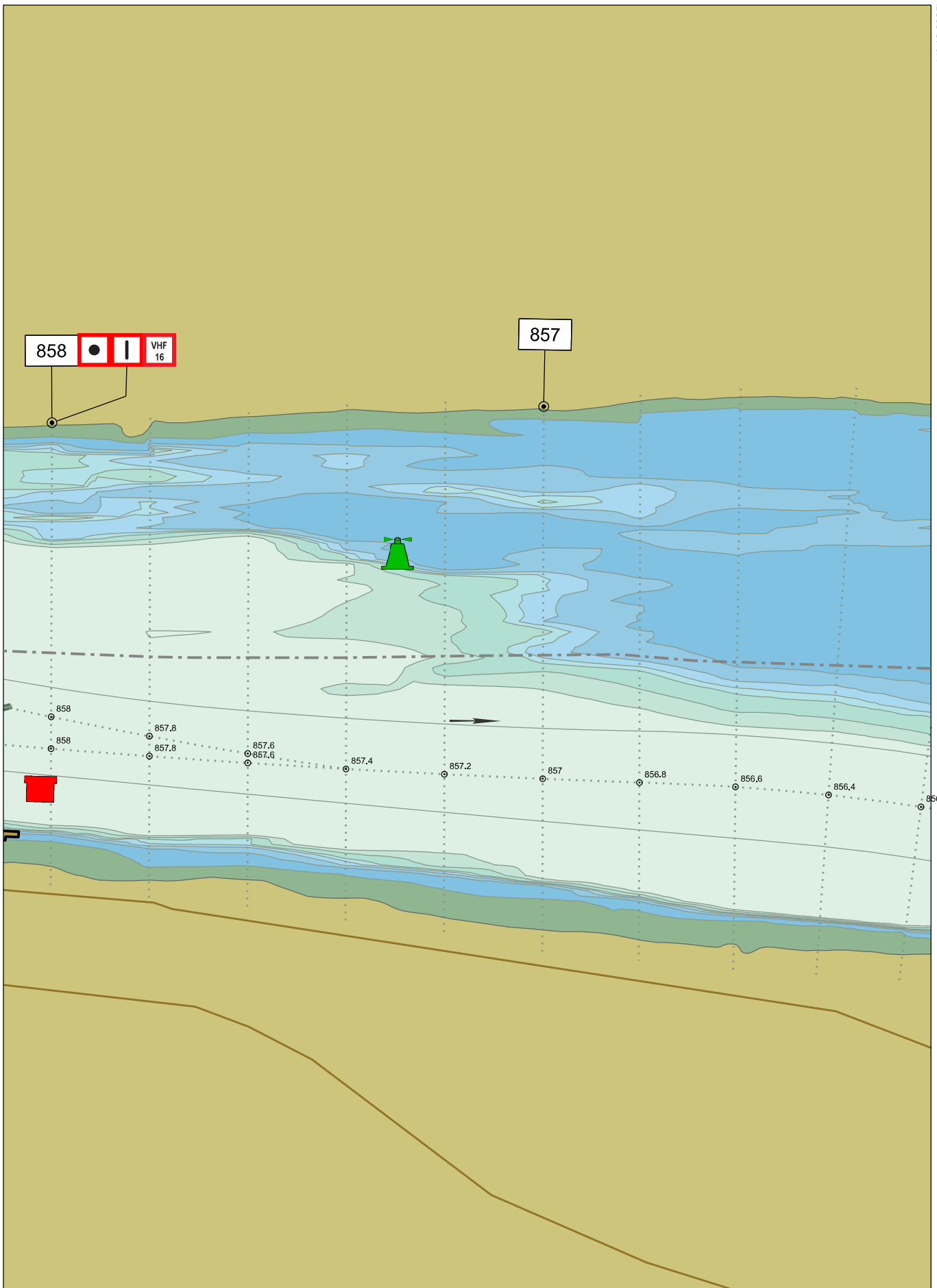
44° 17.3512'
22° 36.6322'

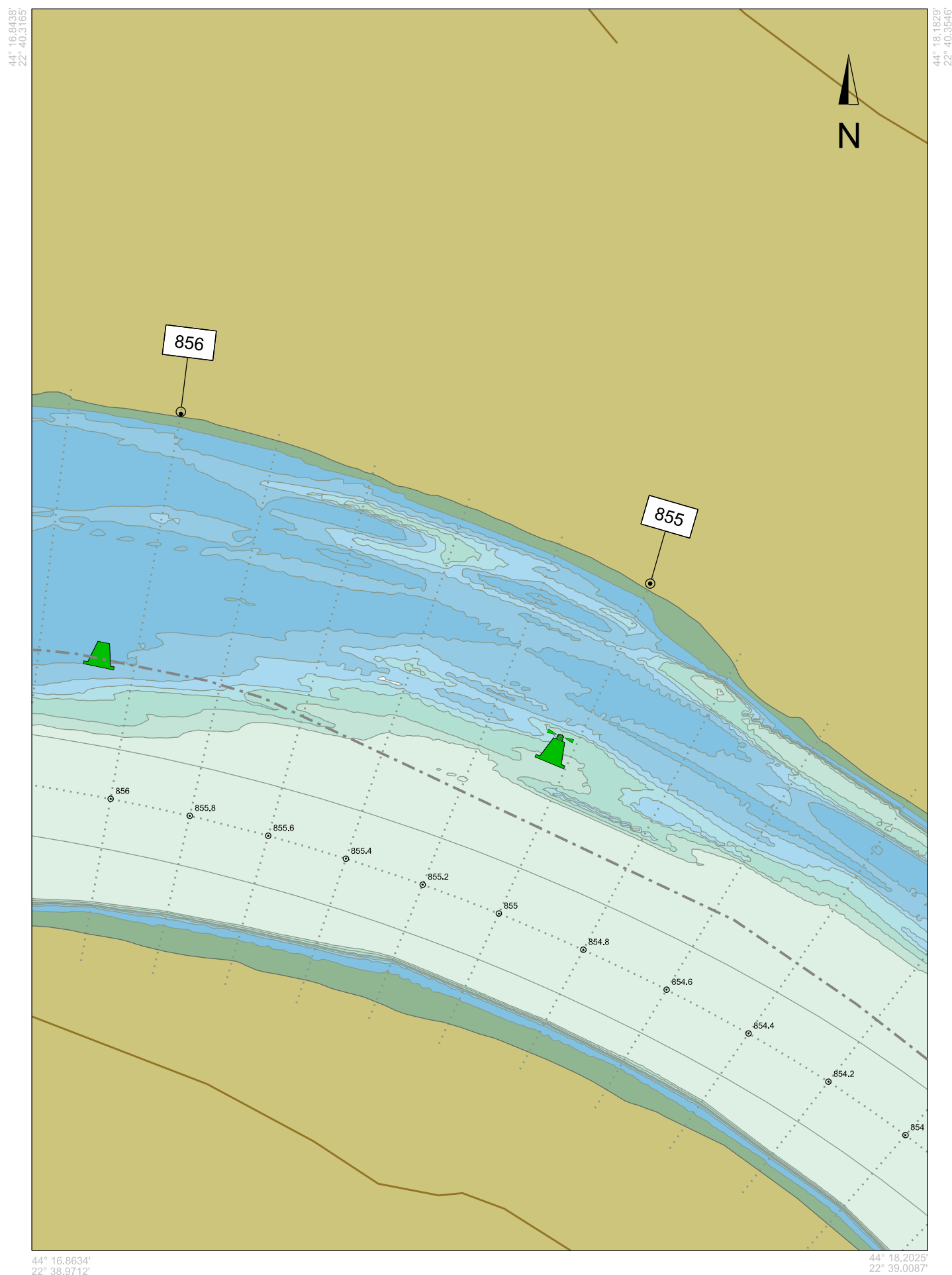
44° 18.6903'
22° 36.6689'

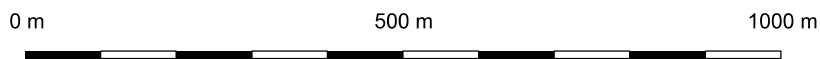


44° 16.8634'
22° 38.9712'

44° 18.2025'
22° 39.0087'

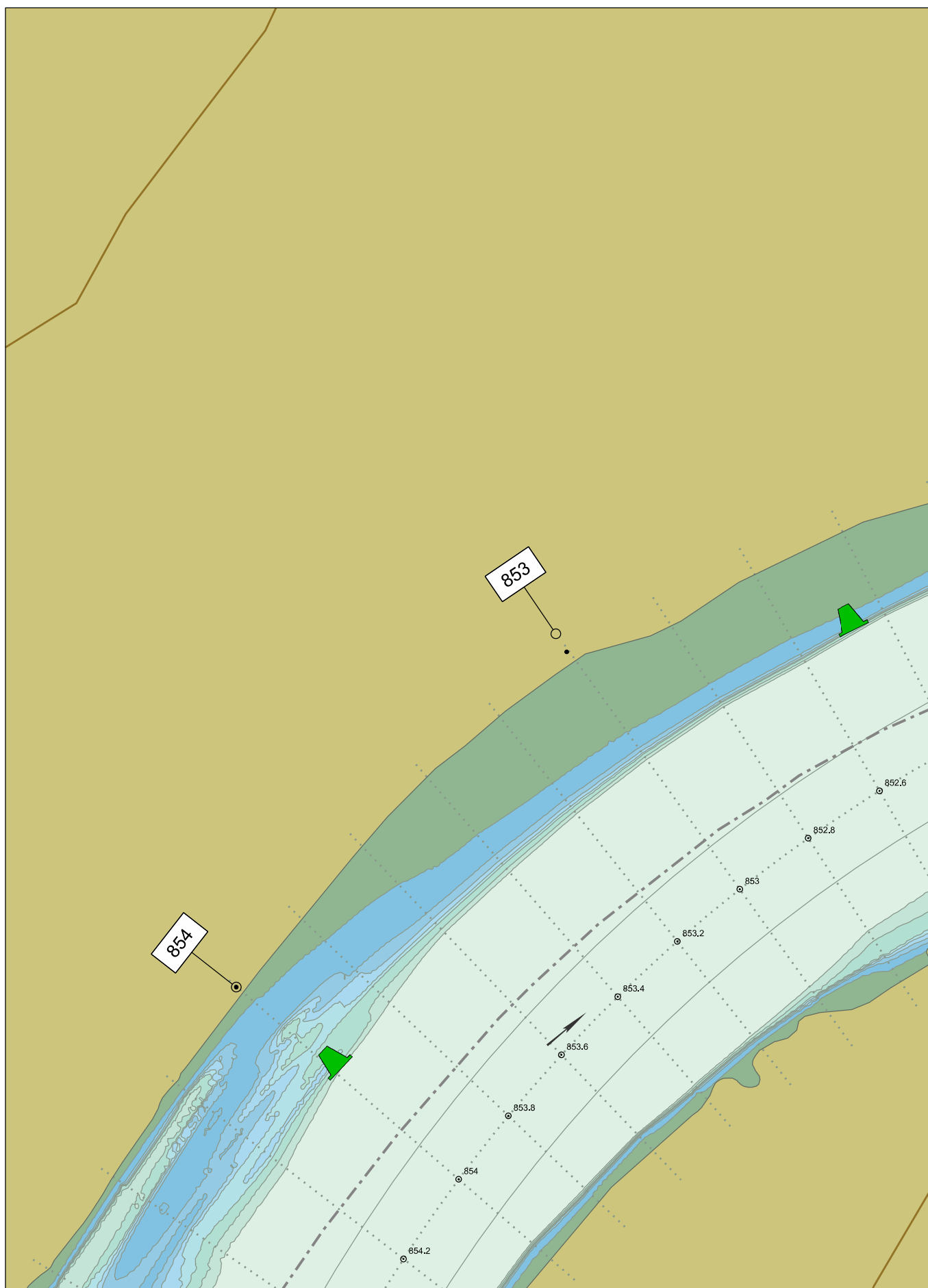






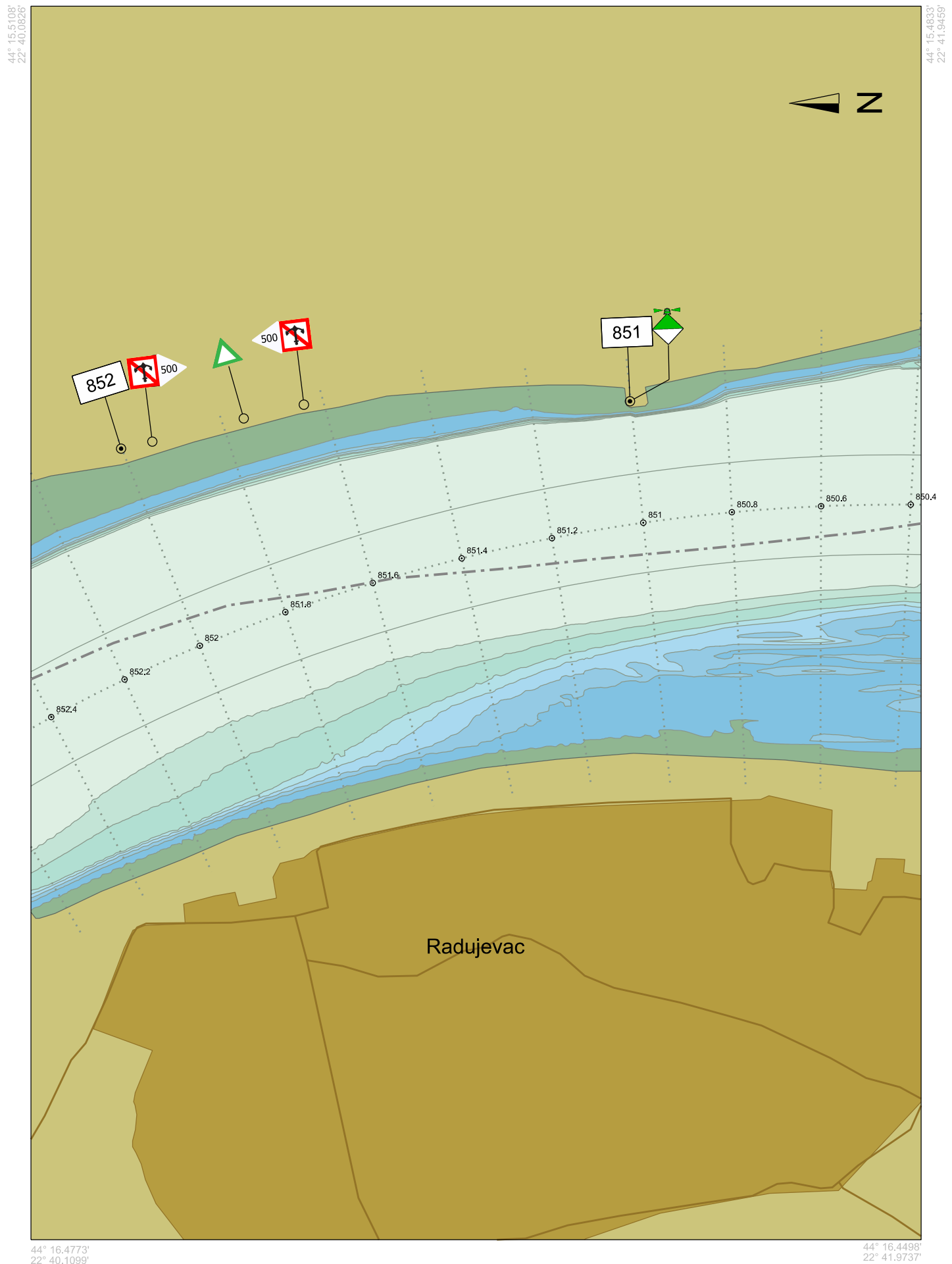
44° 16.4773'
22° 40.1099'

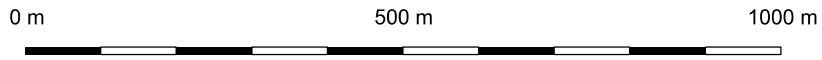
44° 16.4498'
22° 41.9737'



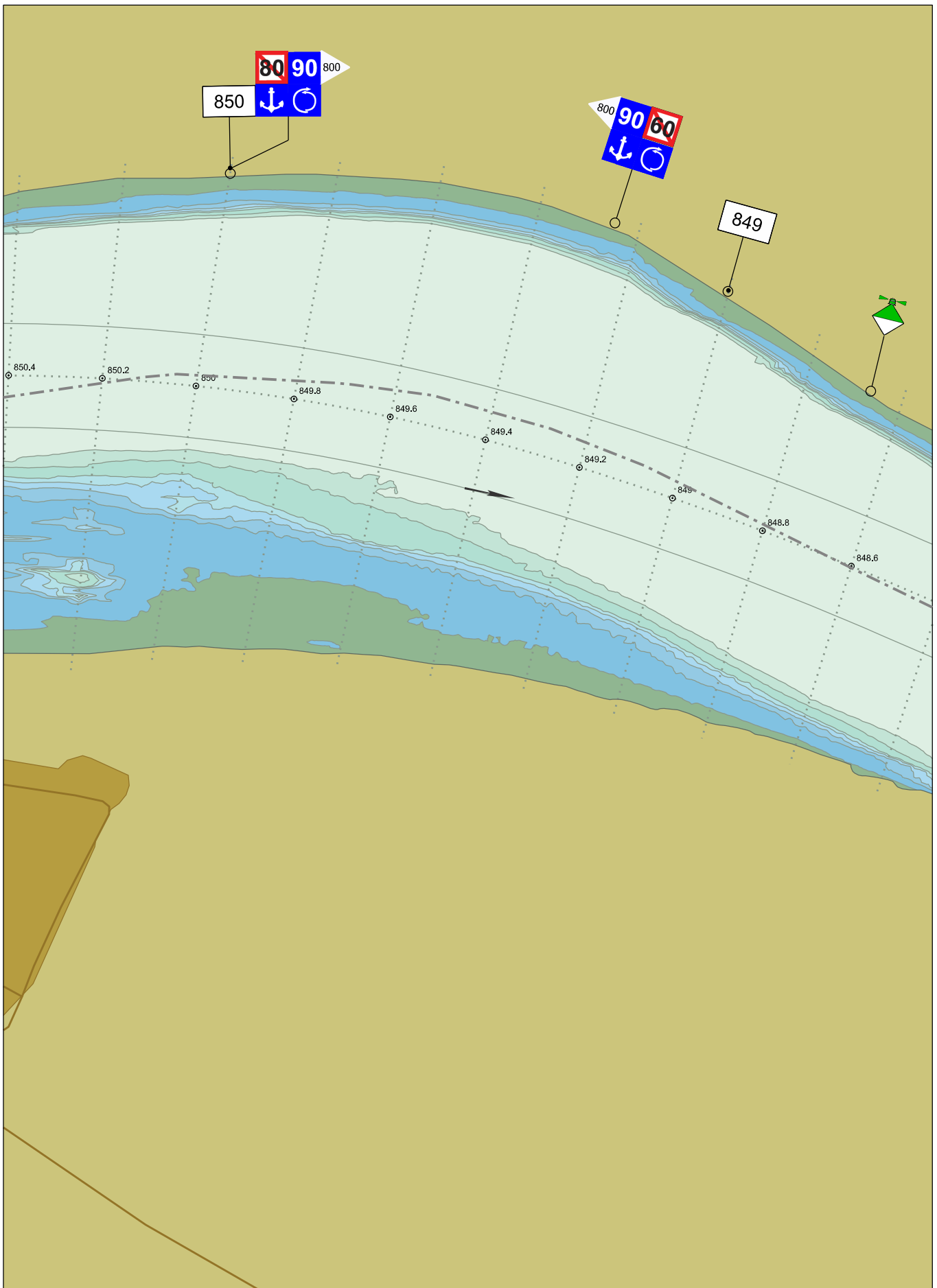
44° 17.4438'
22° 40.1373'

44° 17.4163'
22° 42.0016'





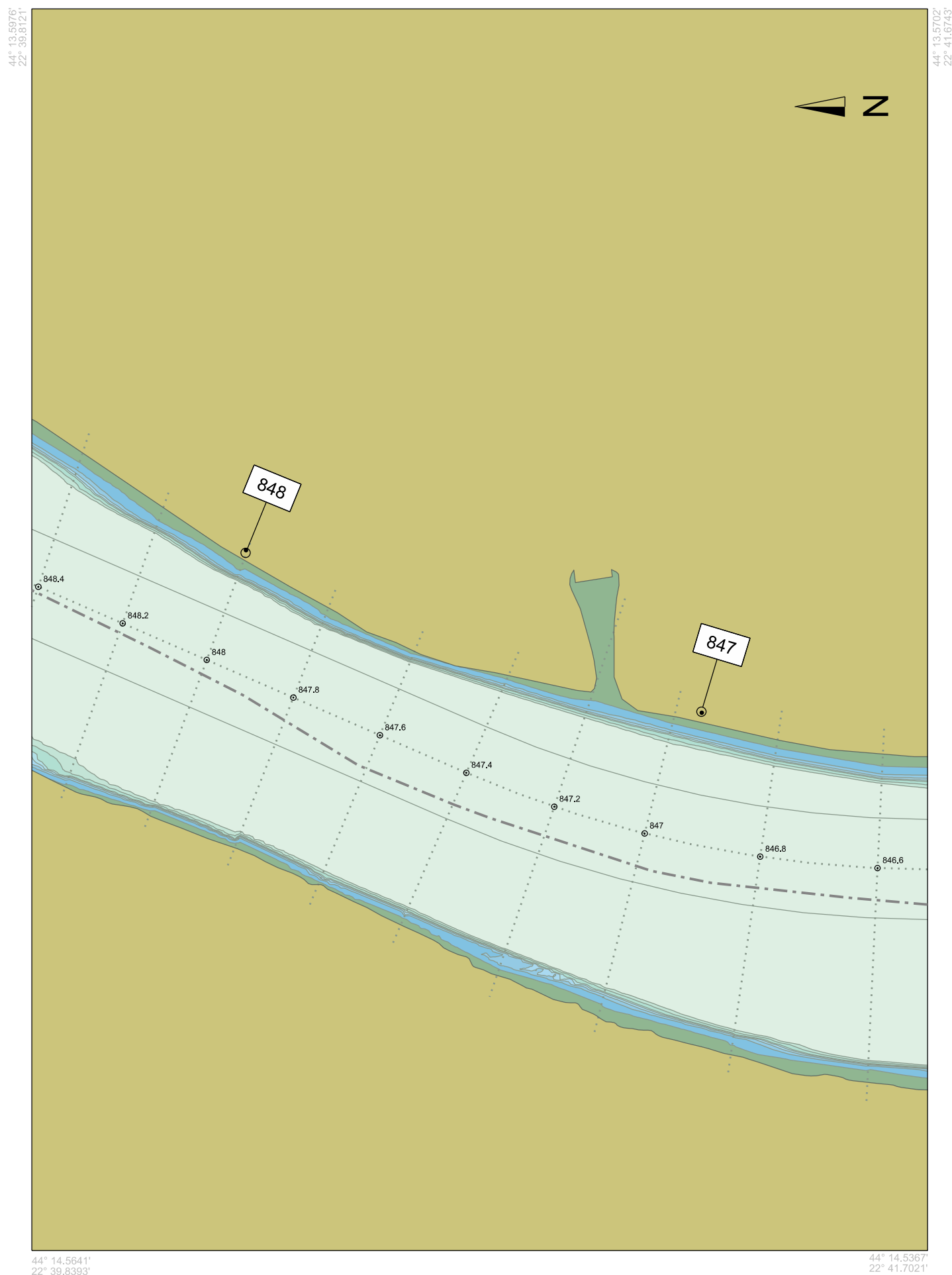
44° 14.5641'
22° 39.8393'

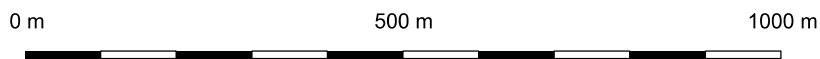


44° 14.5367'
22° 41.7021'

44° 15.5306'
22° 39.8666'

44° 15.5032'
22° 41.7299'





44° 12.9104'
22° 39.7927'

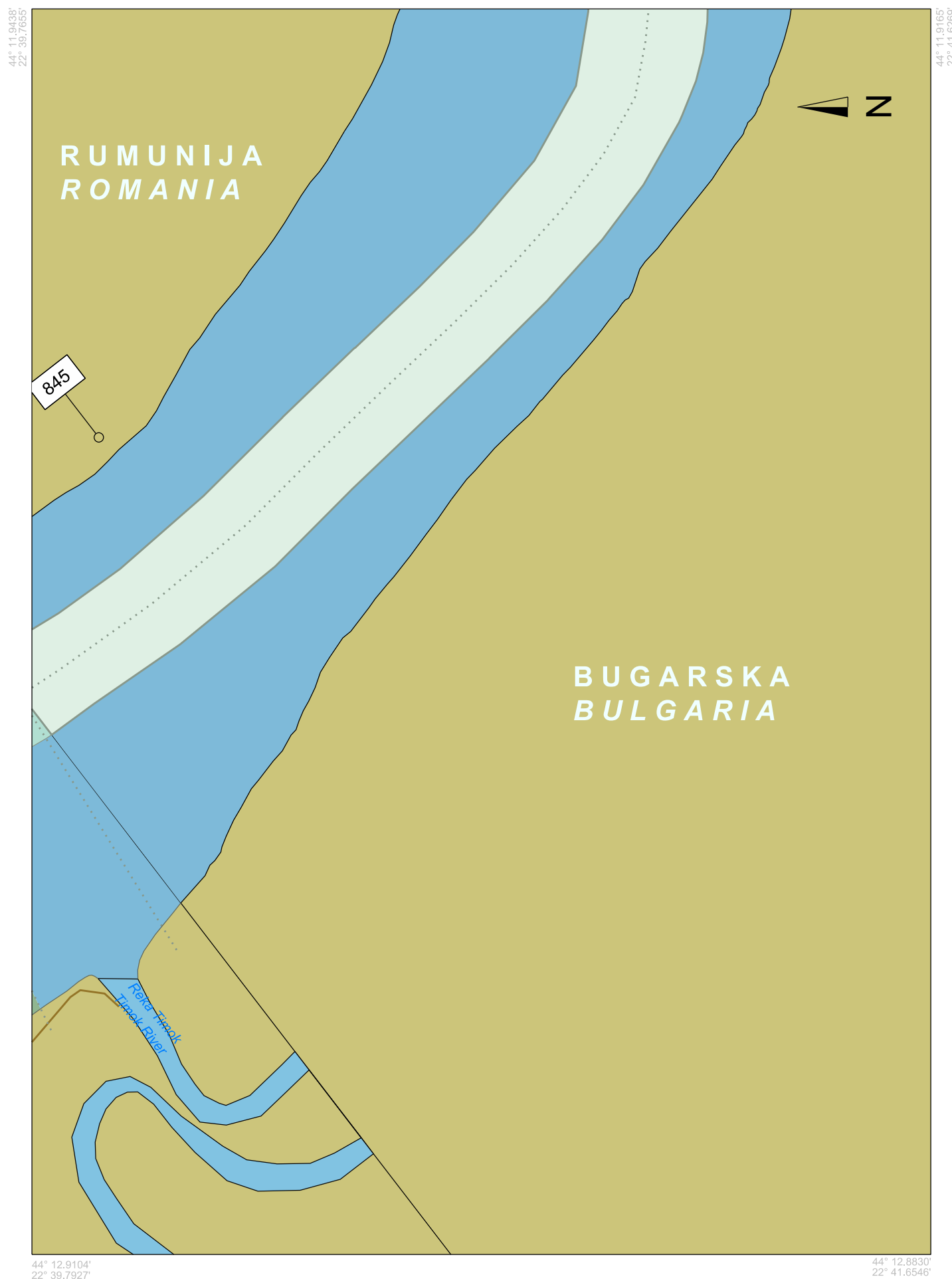
44° 12.8830'
22° 41.6546'

RUMUNIJA
ROMANIA

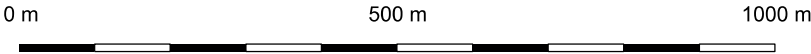


44° 13.8769'
22° 39.8199'

44° 13.8495'
22° 41.6824'

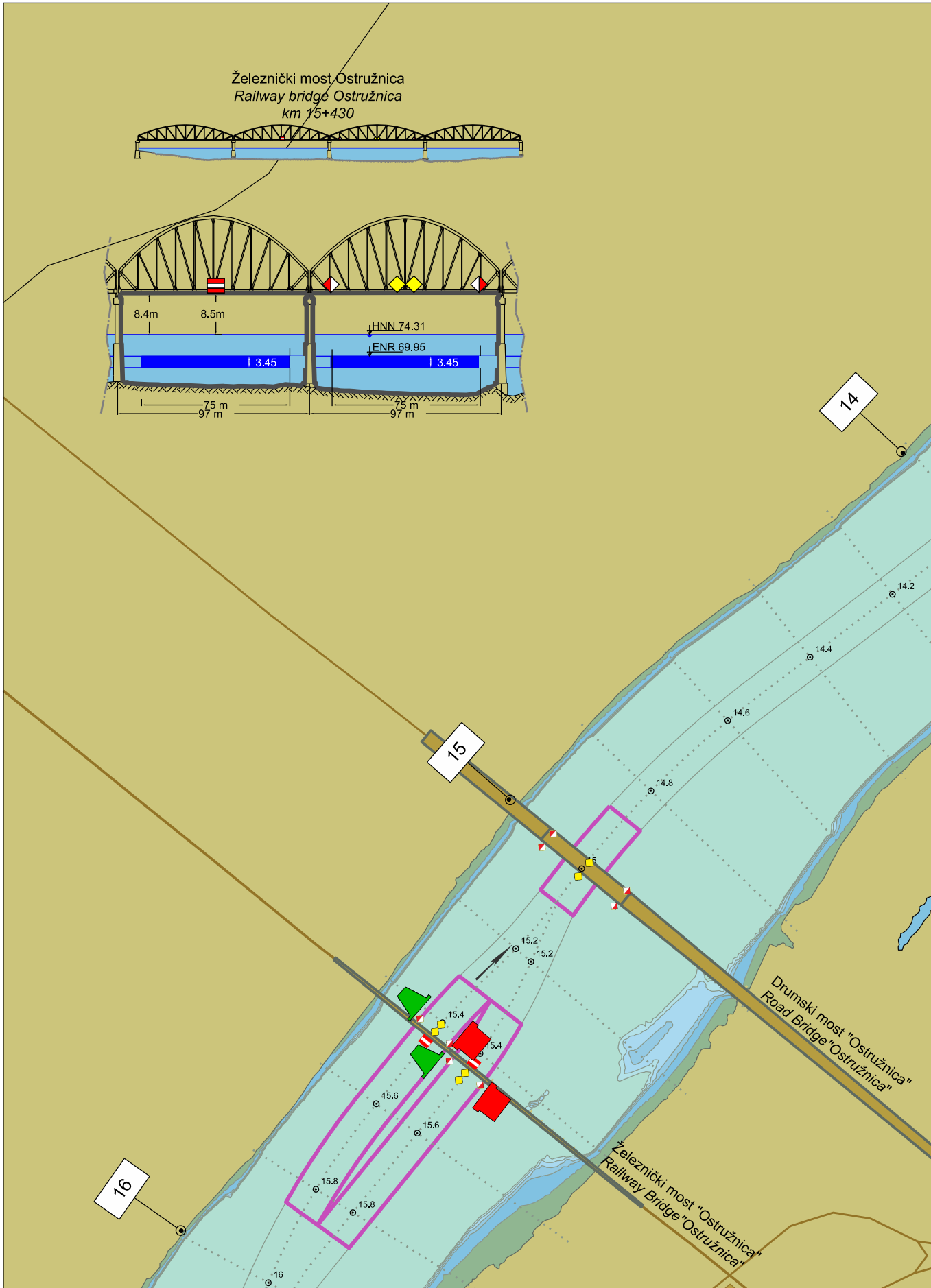


REKA SAVA - SEKTOR UŠĆE
SAVA RIVER - SECTOR CONFLUENCE
km 0+000 - km 16+000



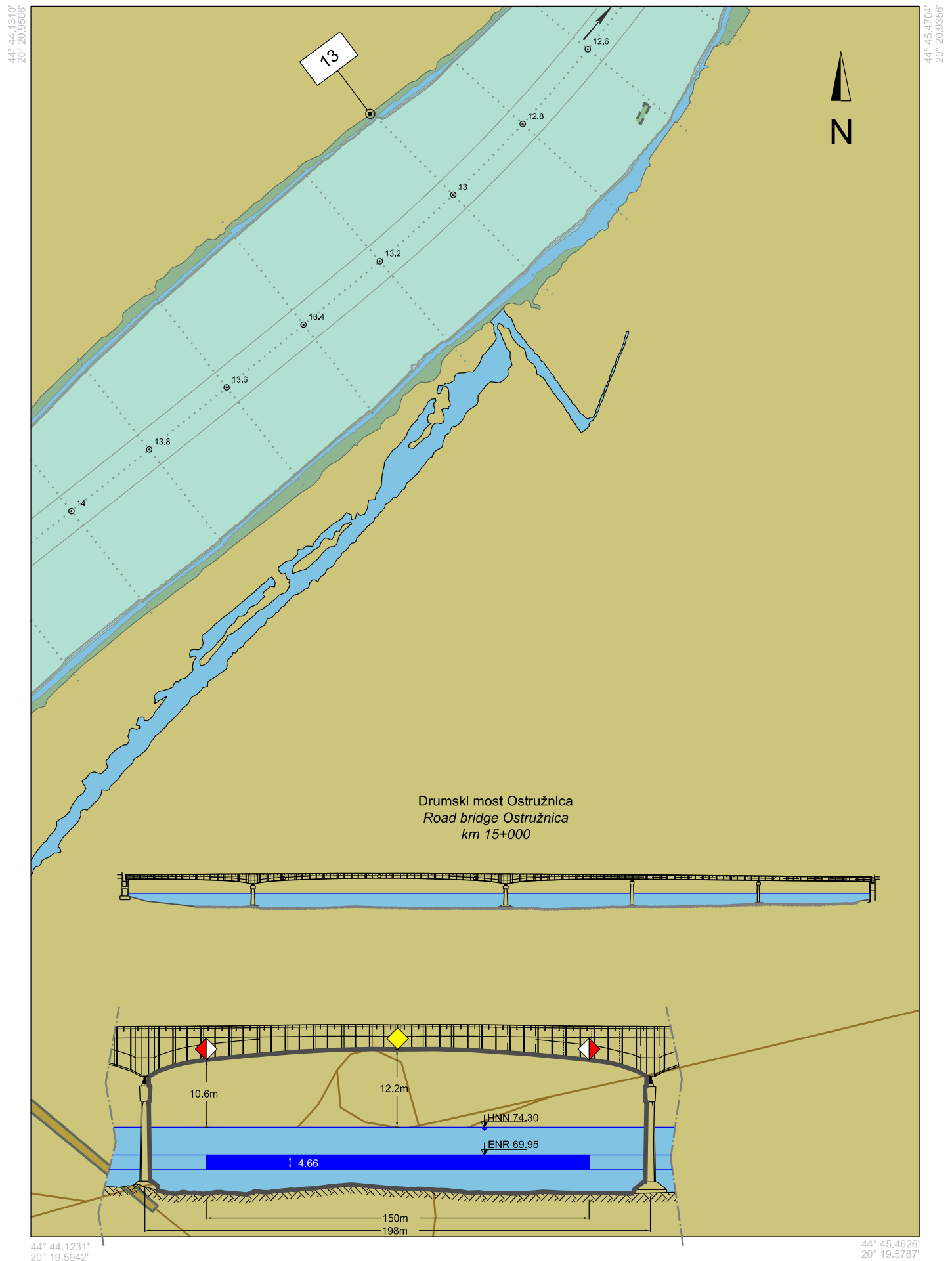
44° 44.1231'
20° 19.5942'

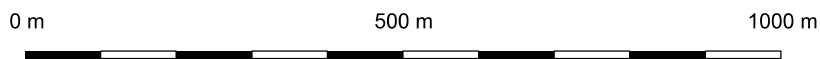
44° 45.4626'
20° 19.5767'



44° 44.1150'
20° 18.2379'

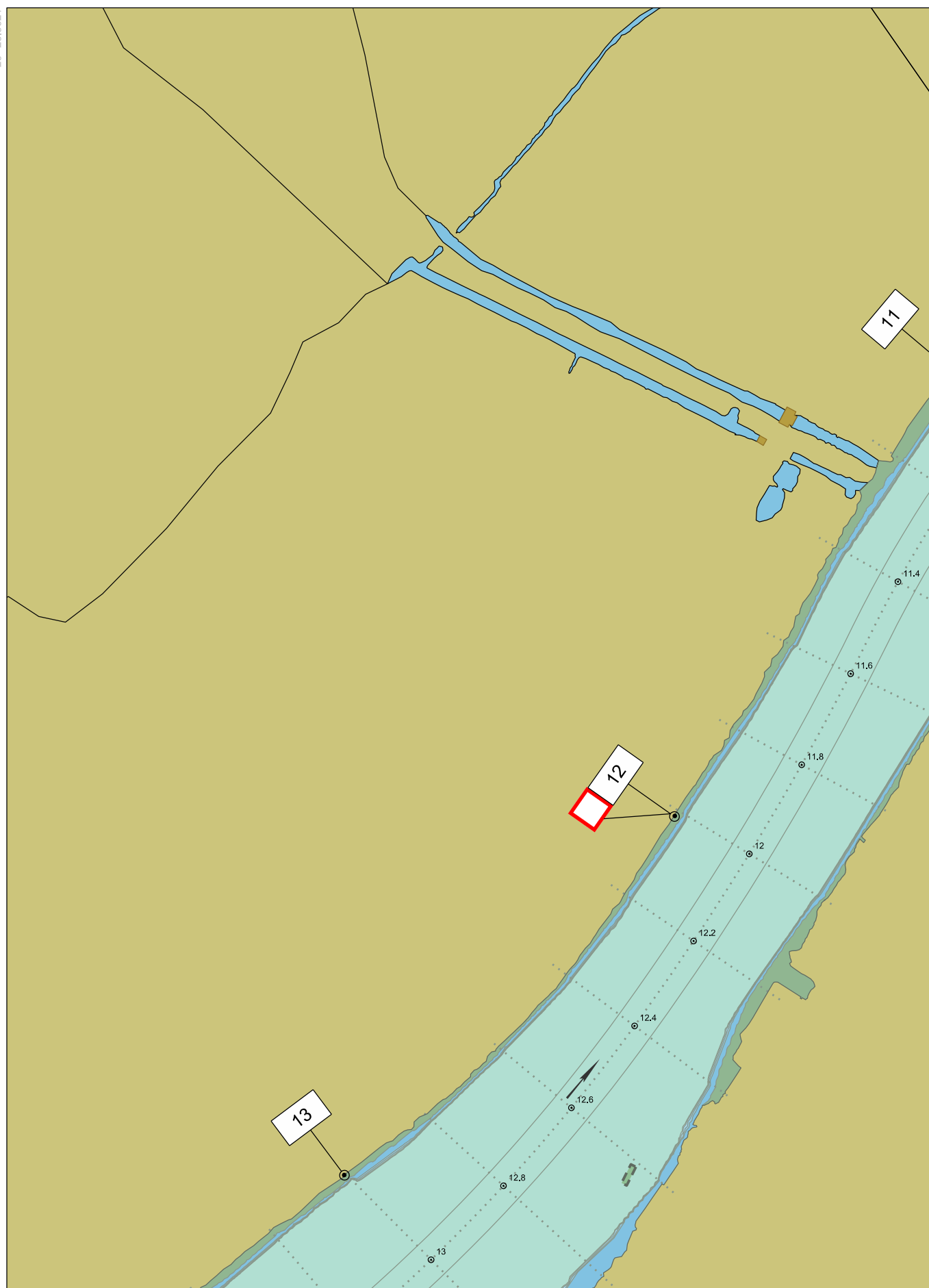
44° 45.4544'
20° 18.2218'





44° 45.2321'
20° 20.9621'

44° 46.5715'
20° 20.9470'



44° 45.2242'
20° 19.6053'

44° 46.5636'
20° 19.5897'

SERBIA

ROMANIA

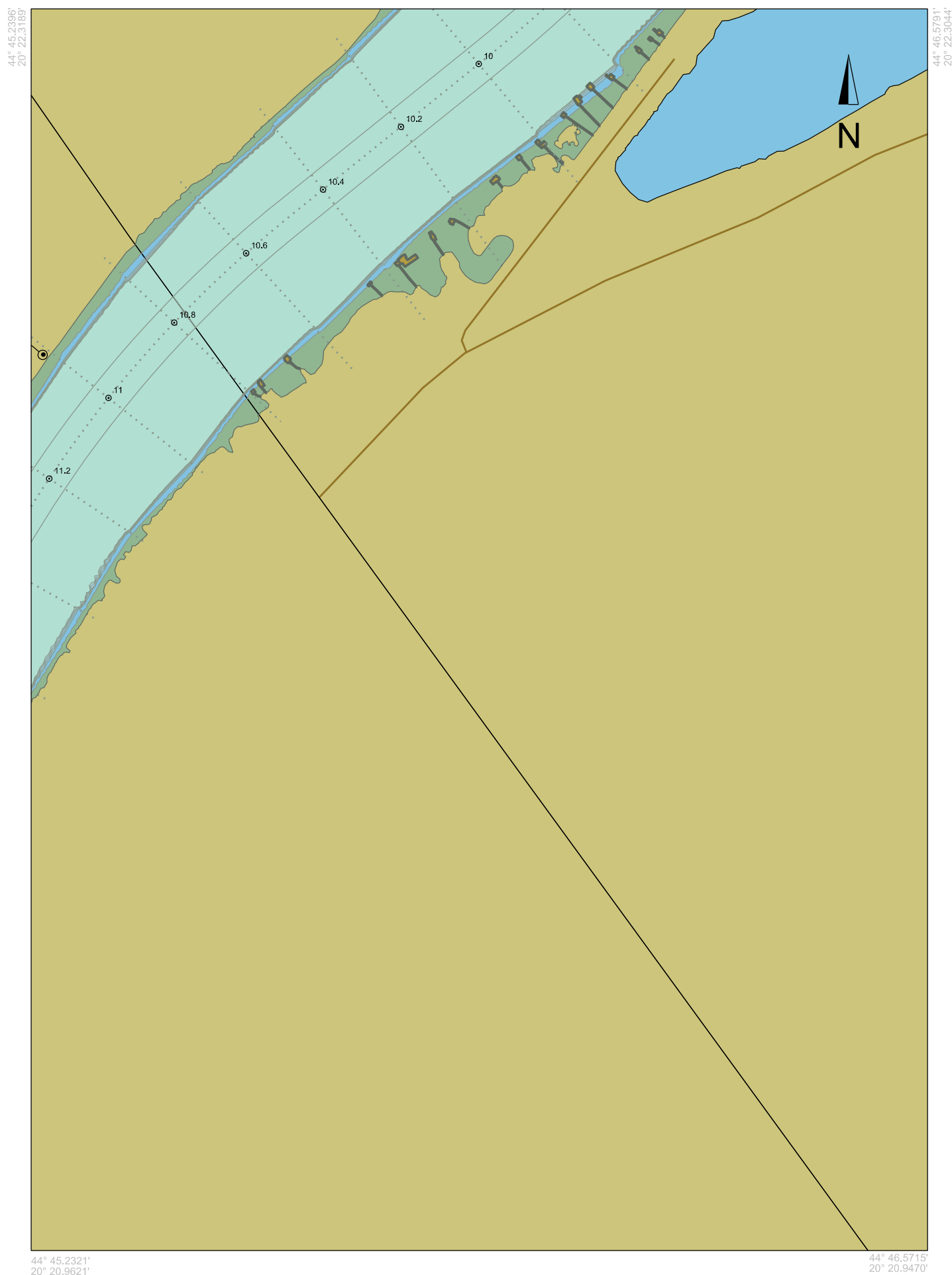
Beograd

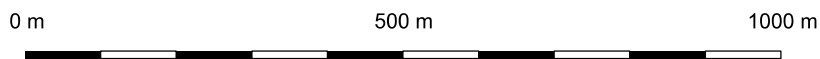
Smederevo

Sava River

Page 173

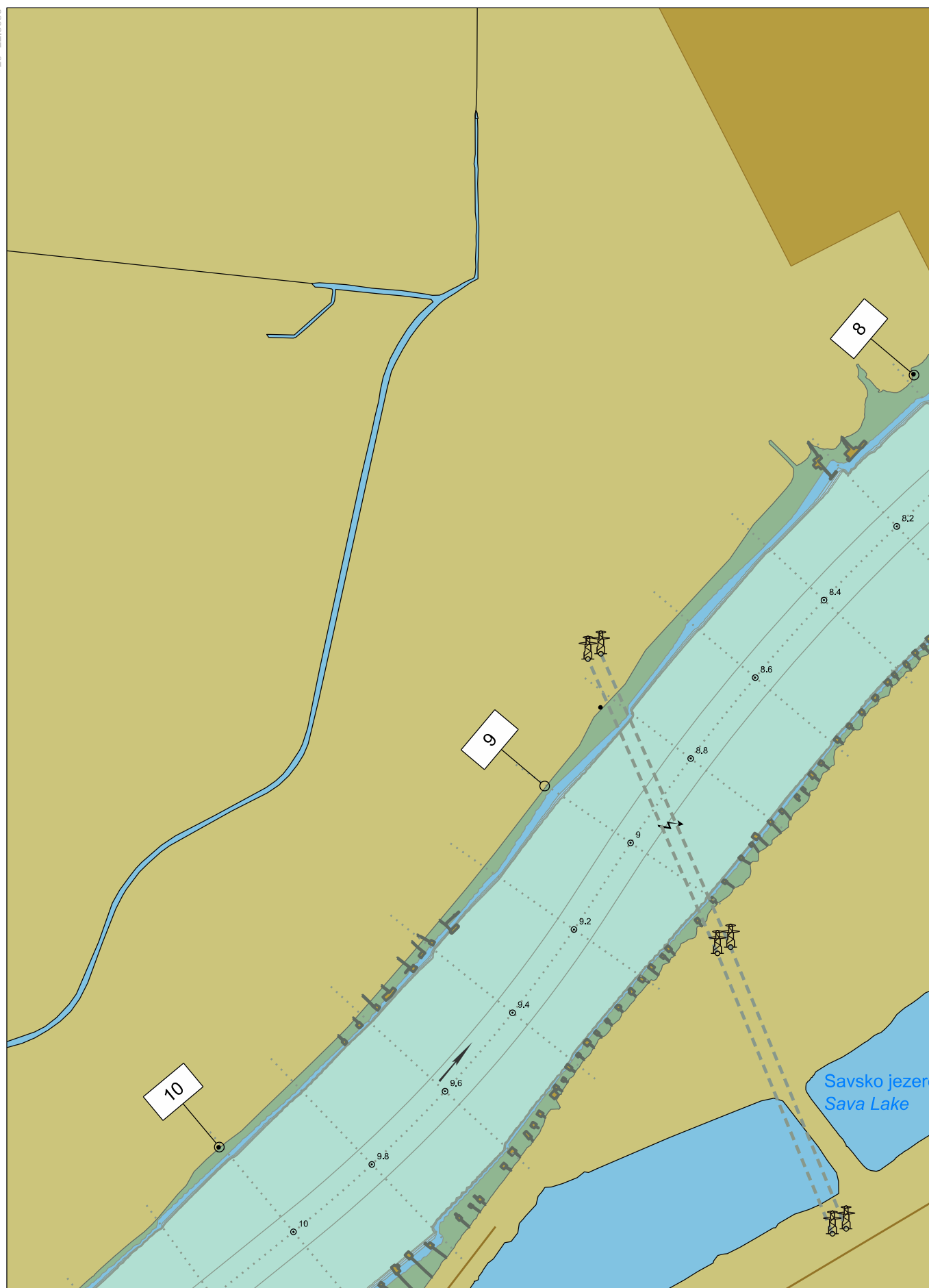
km 13 - 10





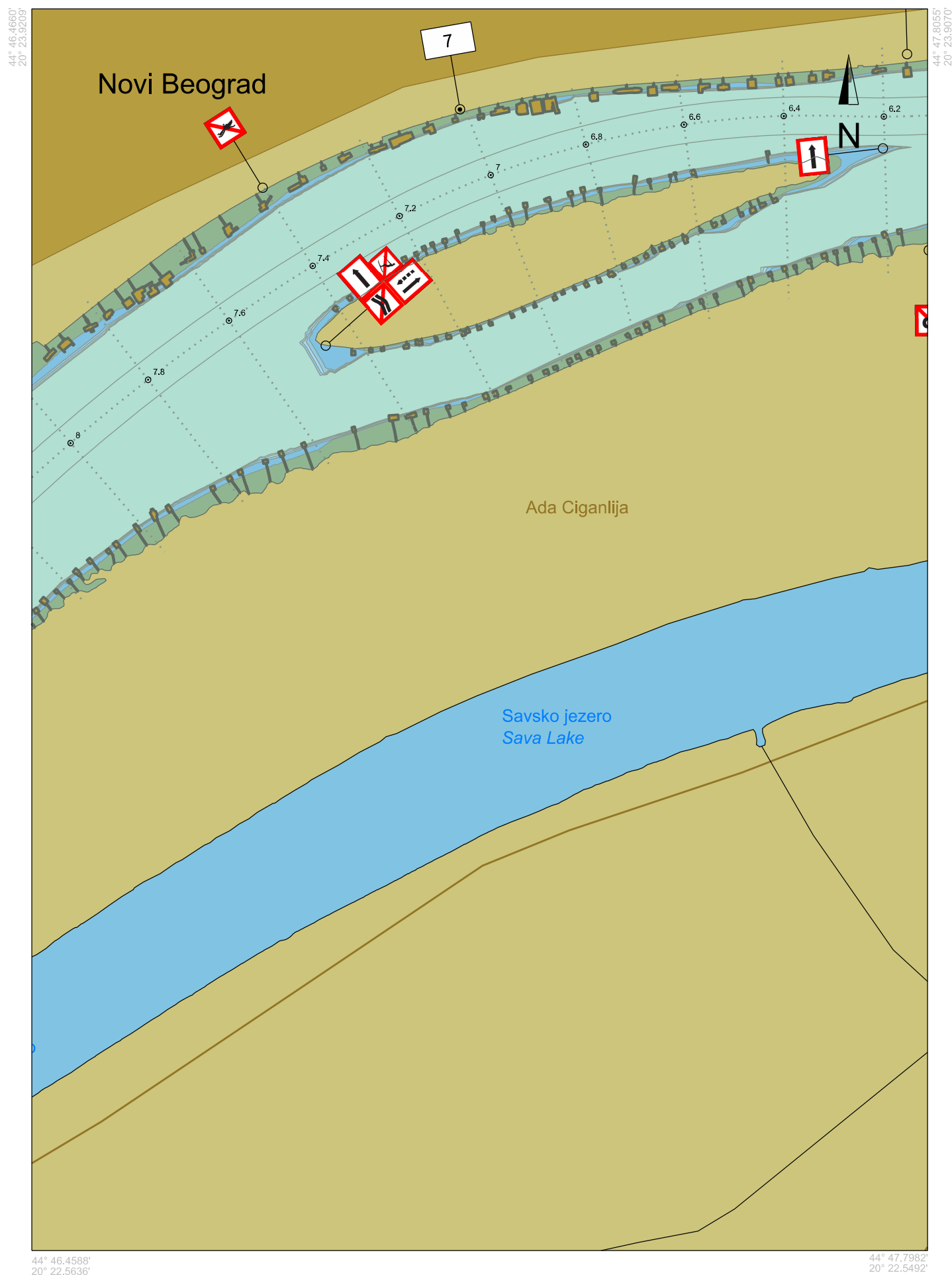
44° 46.4588'
20° 22.5636'

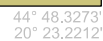
44° 47.7932'
20° 22.5492'



44° 46.4512'
20° 21.2063'

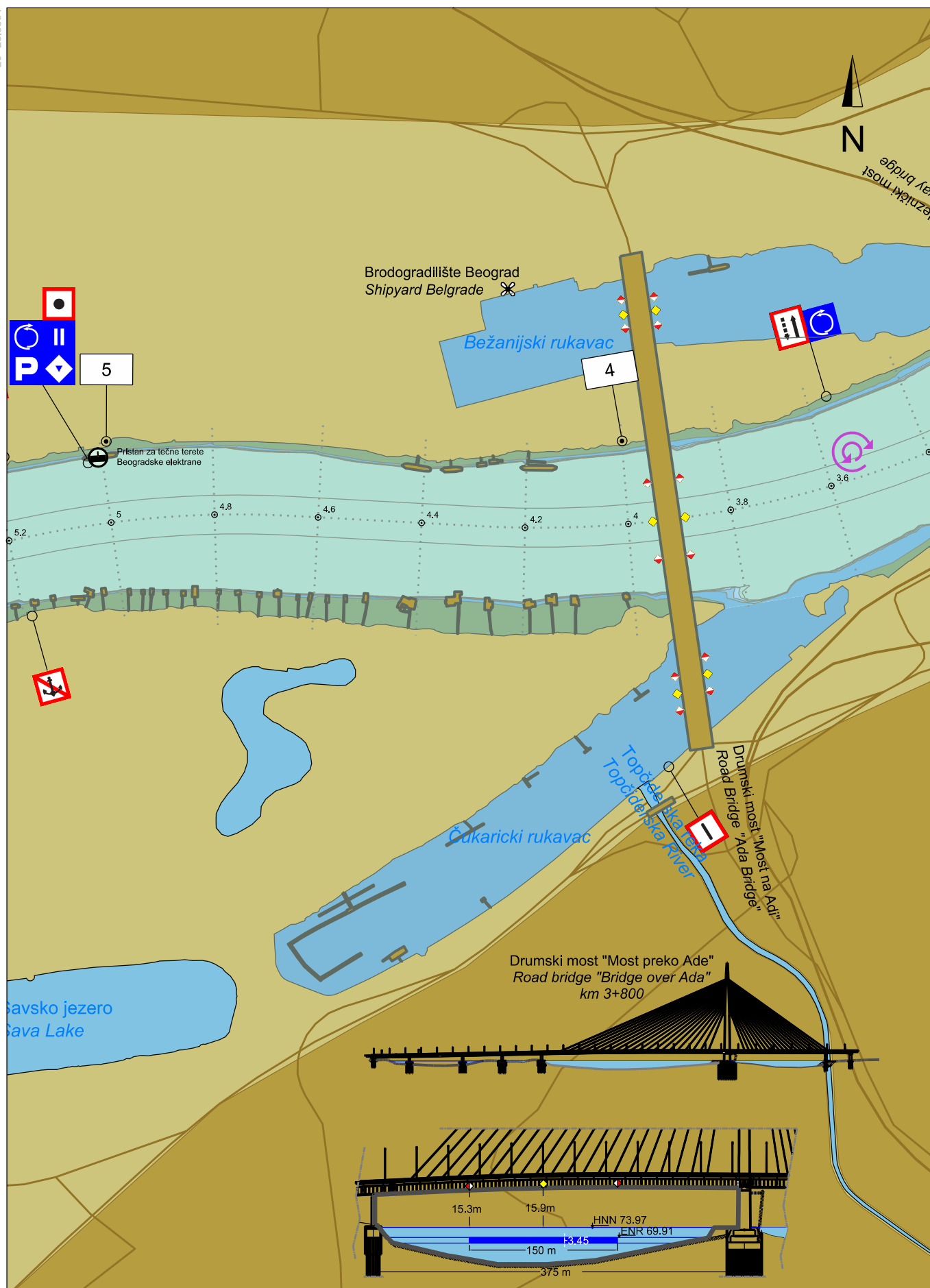
44° 47.7907'
20° 21.1914'





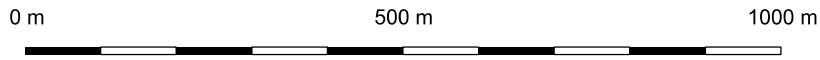
44° 47.0019'
20° 25.9504'

44° 48.3414'
20° 25.9372'



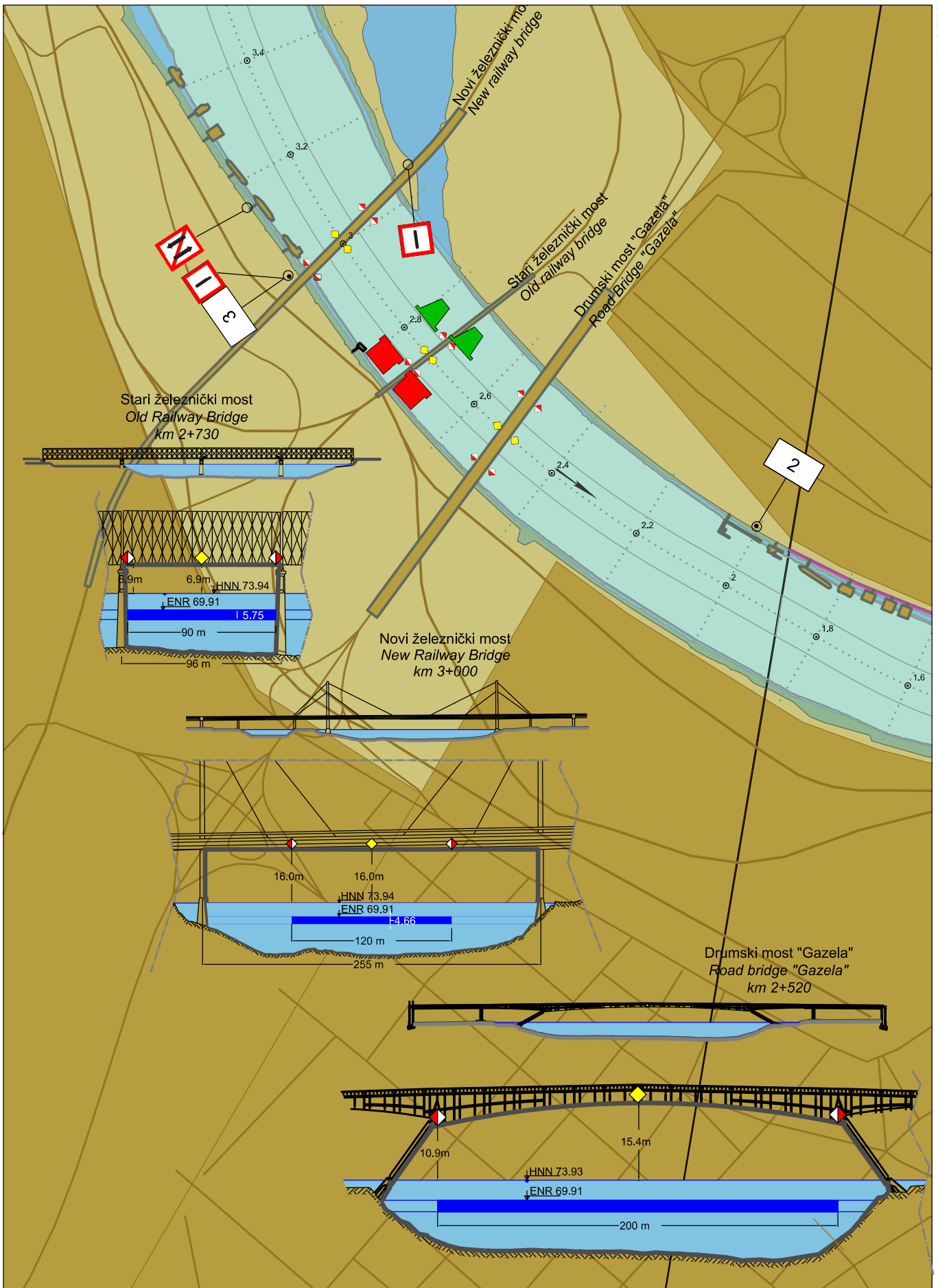
44° 46.9950'
20° 24.5928'

44° 48.3345'
20° 24.5792'



44° 48.6001'
20° 27.7275'

44° 48.5910'
20° 25.8458'



44° 47.6333'
20° 27.7365'

44° 47.6242'
20° 25.8553'

