



# 2020 – 2025, overview and Activities planned for 2026 to ensure fairway conditions

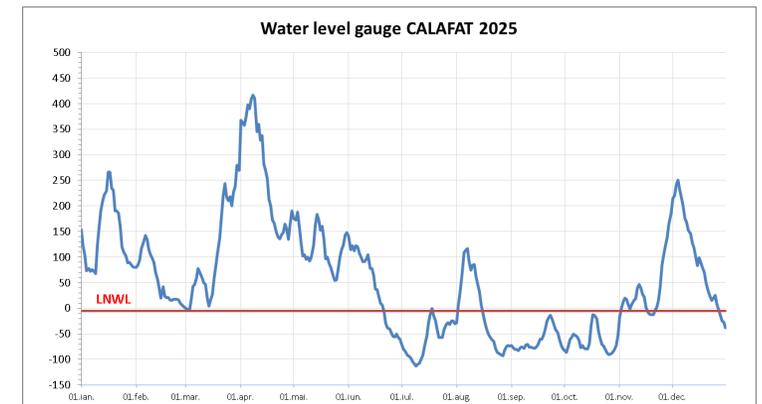
*Budapest, 05 of March 2026  
River Administration of the Lower Danube Galati*

# Agenda

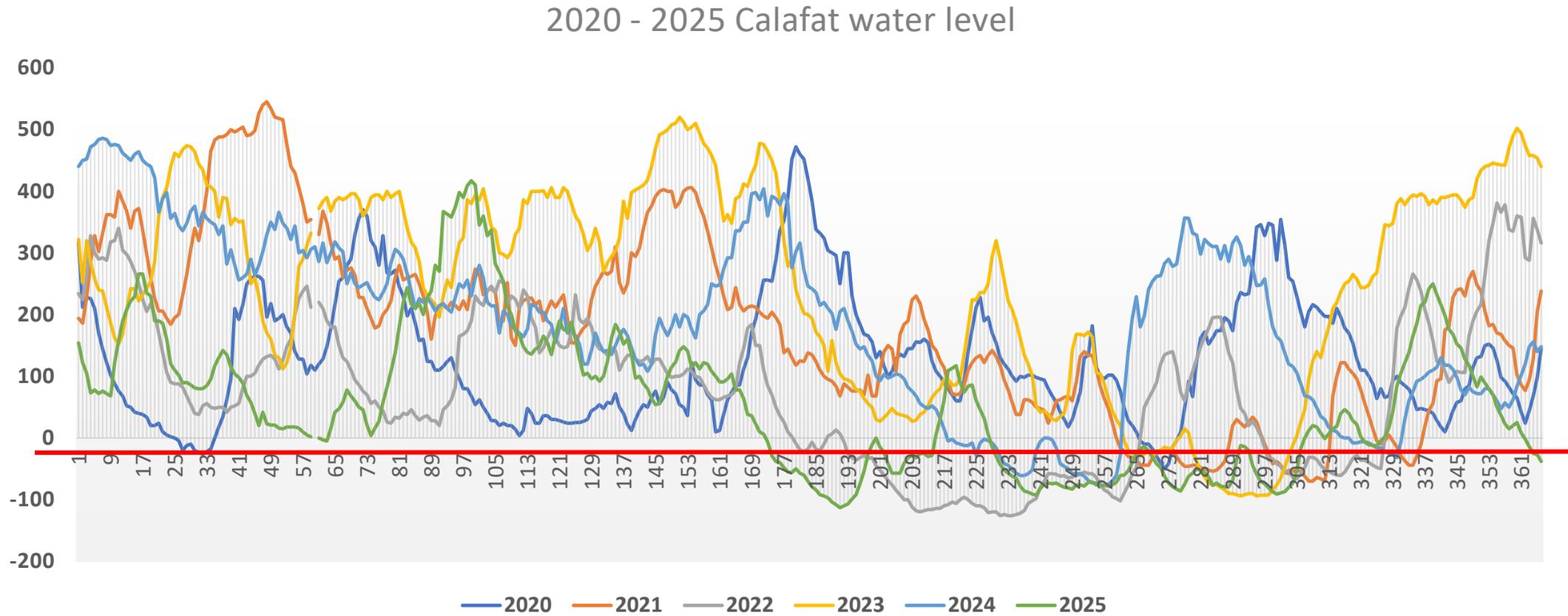
- ***2020 - 2025 – overview***
  - *Monitoring – hydrological actions*
  - *Monitoring – hydrographical actions*
  - *Dredging works*
  - *Publication results*
- ***2026 – Planned activities***



# *2020 - 2025 - Monitoring Hydrological overview*



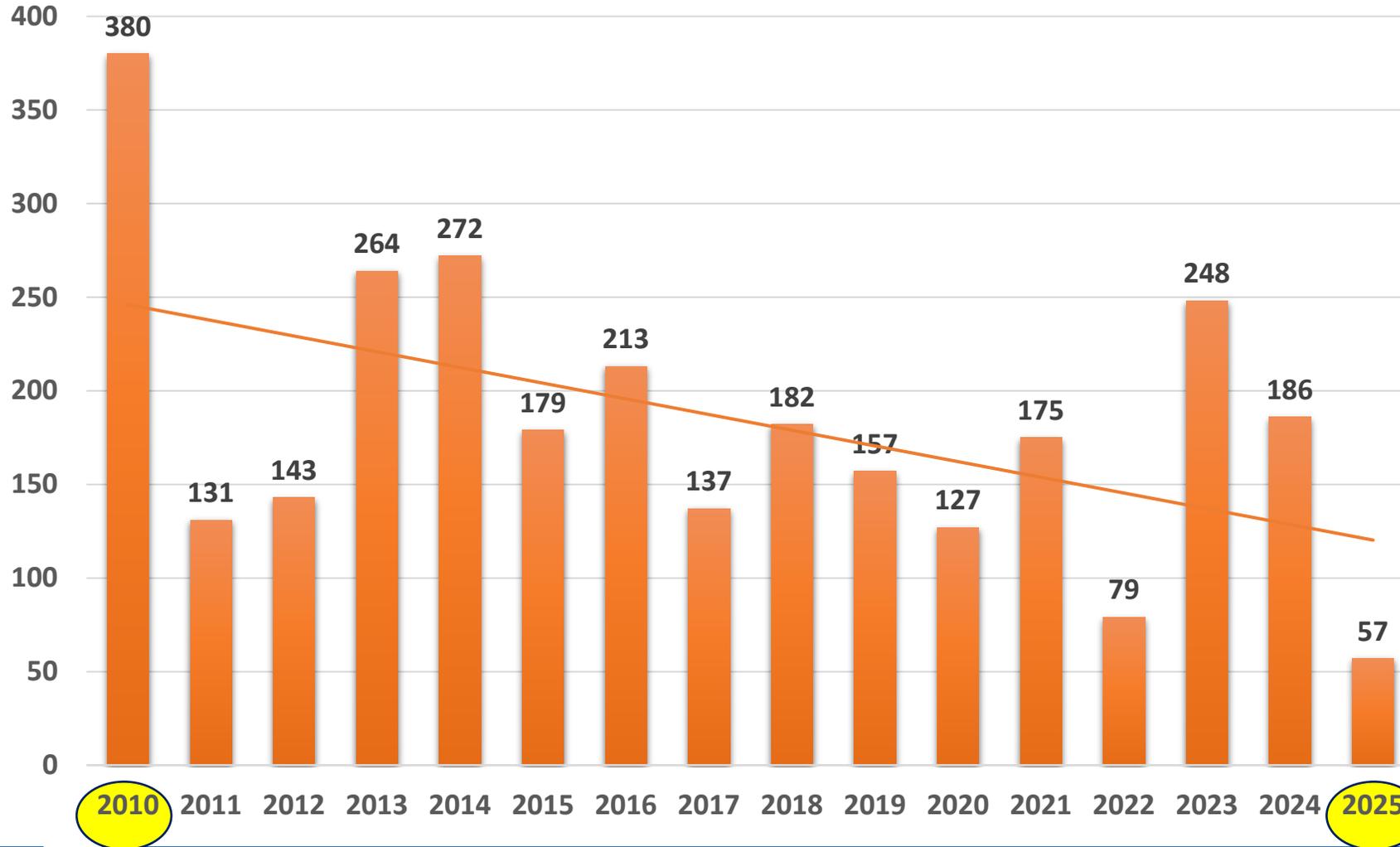
# 2020 – 2025, Calafat water level



**Middle June – Early December,  
period with water level value bellow LNWL;**

# Calafat – Annual Average 2010 - 2025

Annual Average

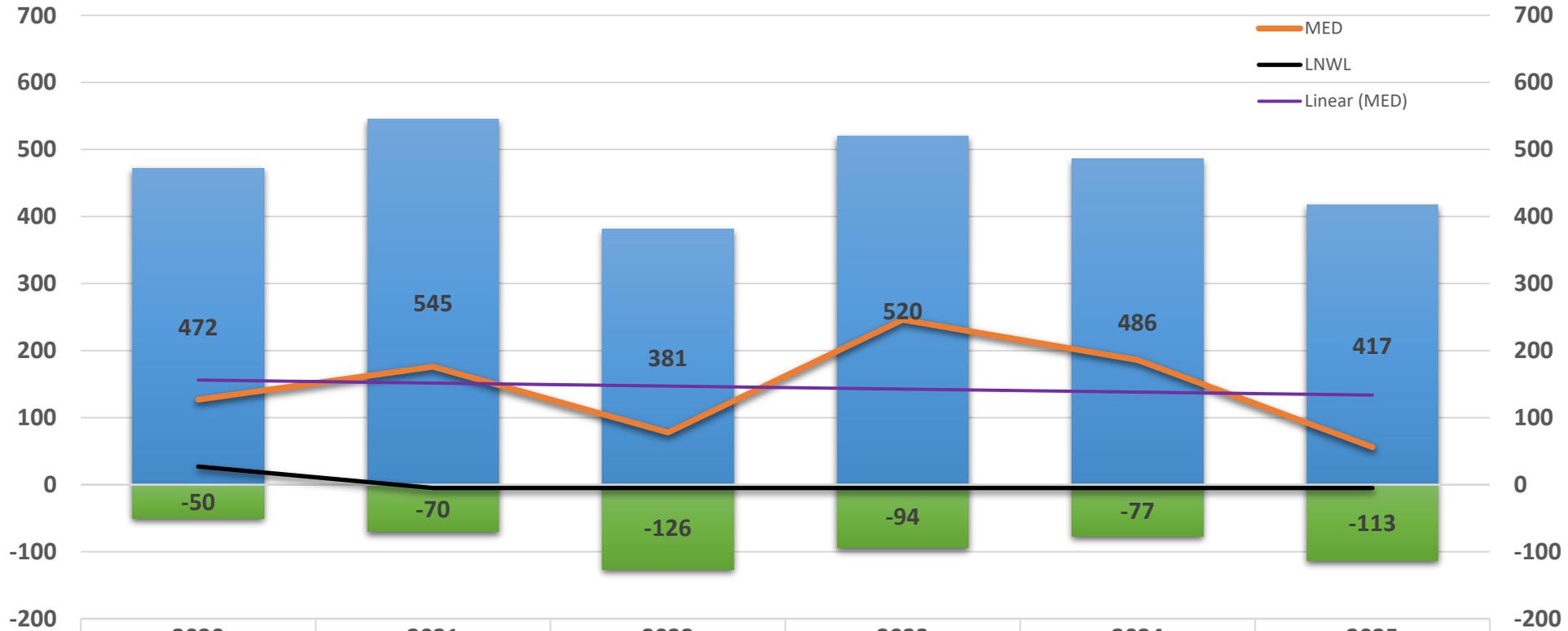


- 2010 – 2025,
- Difference : 323 cm
  - 2010 – 380 cm
  - 2025 – 57 cm.

# Min, Med, Max / LNWL - Calafat km795

Min, Med, Max / LNWL - Calafat km795

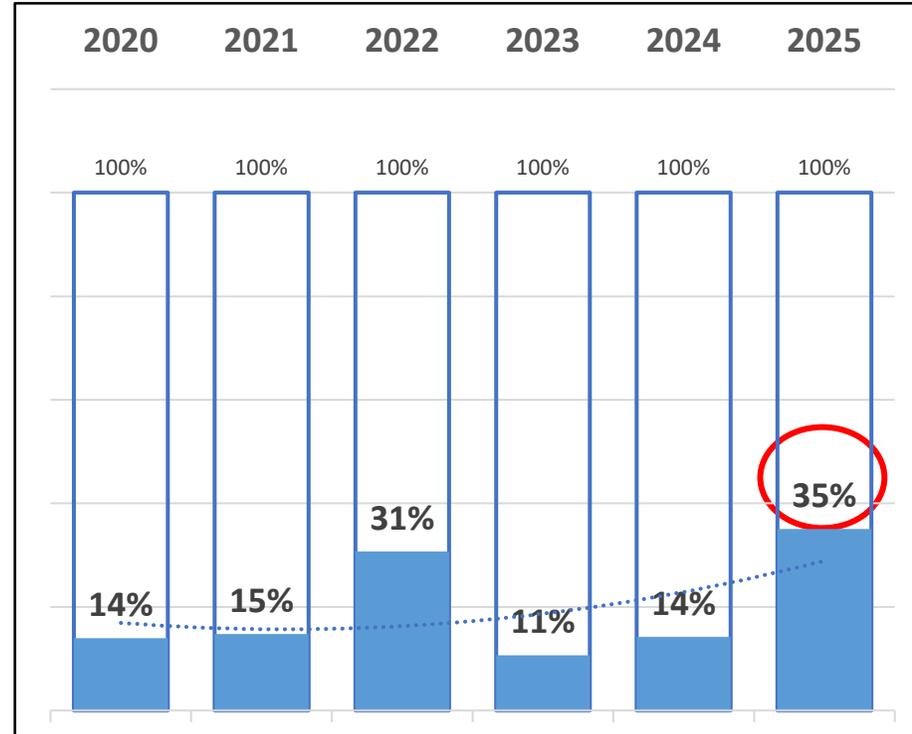
- MAX
- MIN
- MED
- LNWL
- Linear (MED)



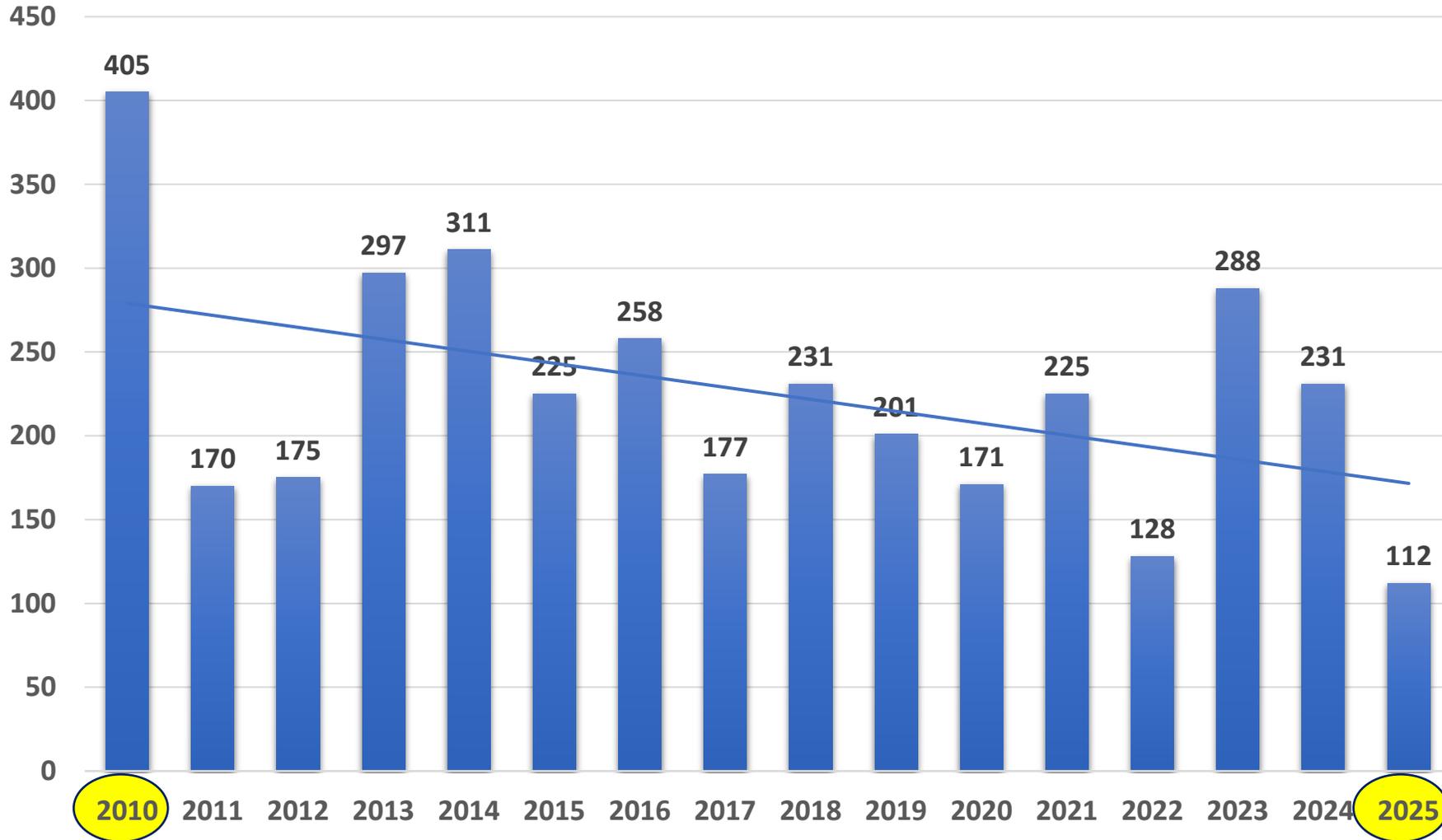
	2020	2021	2022	2023	2024	2025
<span style="color: blue;">■</span> MAX	472	545	381	520	486	417
<span style="color: green;">■</span> MIN	-50	-70	-126	-94	-77	-113
<span style="color: orange;">—</span> MED	127	176	78	246	186	56
<span style="color: black;">—</span> LNWL	27	-5	-5	-5	-5	-5

# Calafat – days with water level < LNWL

Luna	2020	2021	2022	2023	2024	2025
Jan	13	0	0	0	0	0
Feb	5	0	0	0	0	0
Mar	0	0	0	0	0	1
Apr	6	0	0	0	0	0
May	7	0	0	0	0	0
Jun	2	0	3	0	0	10
Jul	0	0	27	0	0	30
Aug	0	0	31	0	22	17
Sep	12	14	21	13	17	30
Oct	2	21	9	26	0	31
Nov	0	18	21	0	13	5
Dec	4	1	0	0	0	4
<b>Total</b>	<b>51</b>	<b>54</b>	<b>112</b>	<b>39</b>	<b>52</b>	<b>128</b>
	<b>14%</b>	<b>15%</b>	<b>31%</b>	<b>11%</b>	<b>14%</b>	<b>35%</b>
	100%	100%	100%	100%	100%	100%



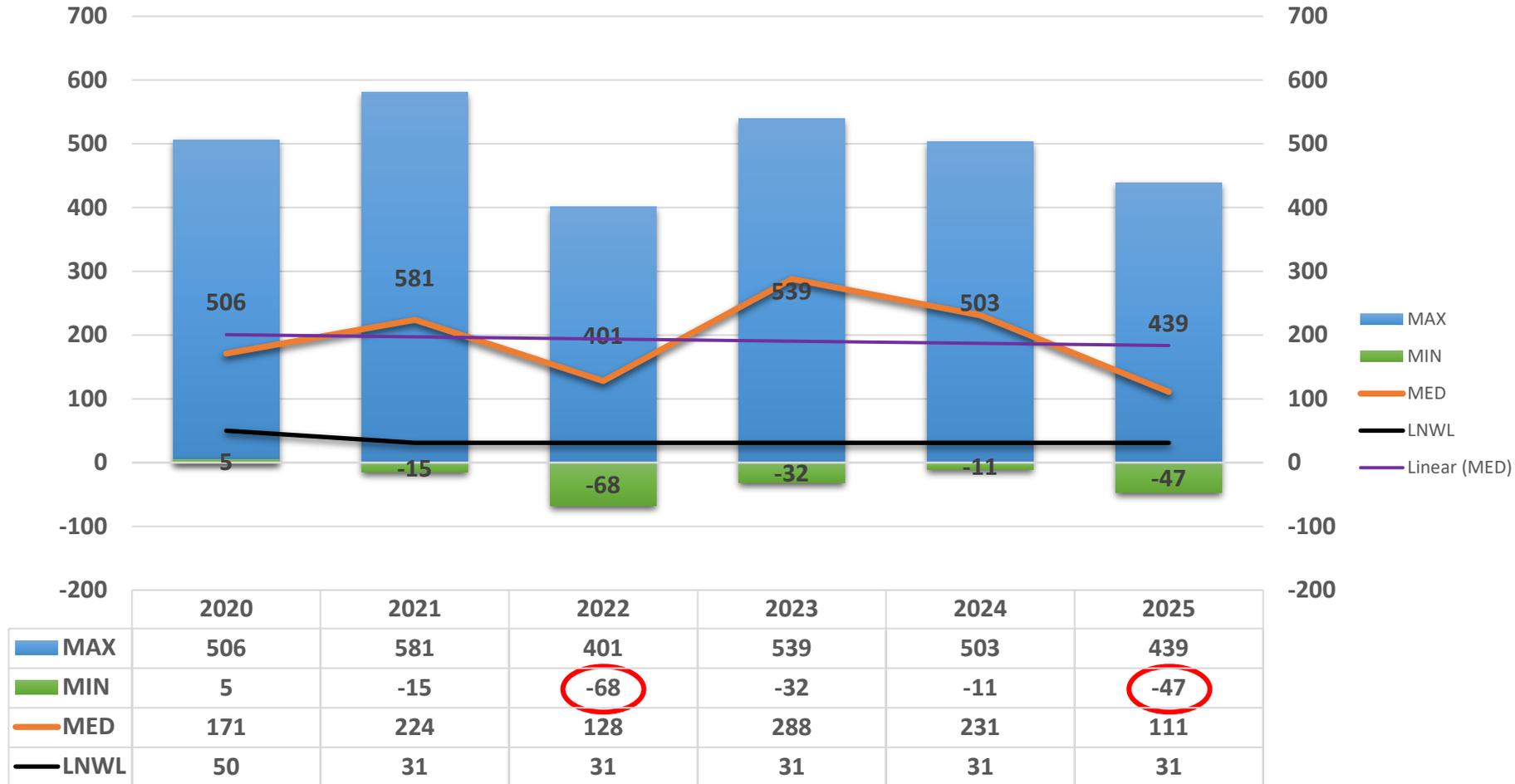
# Bechet – Annual average 2010 - 2025



- 2010 – 2025,
- Difference : 293 cm
  - 2010 – 405 cm
  - 2025 – 112 cm.

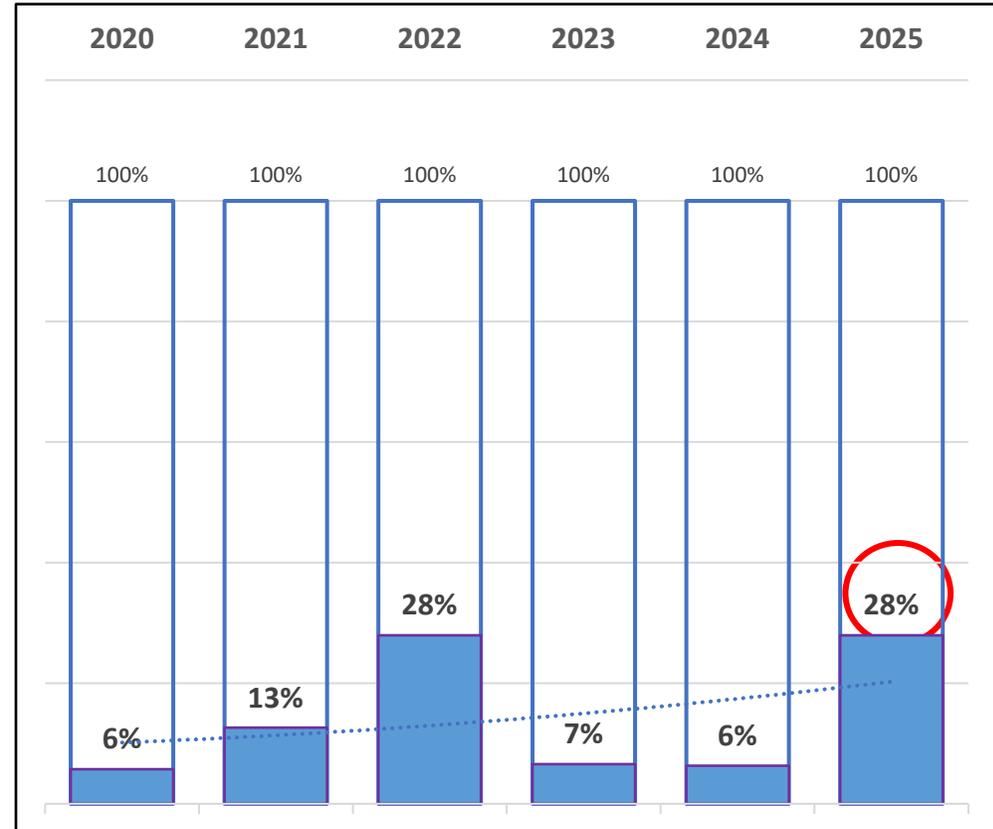
# Min, Med, Max / LNWL - Bechet km 679

Min, Med, Max / LNWL - Bechet km630

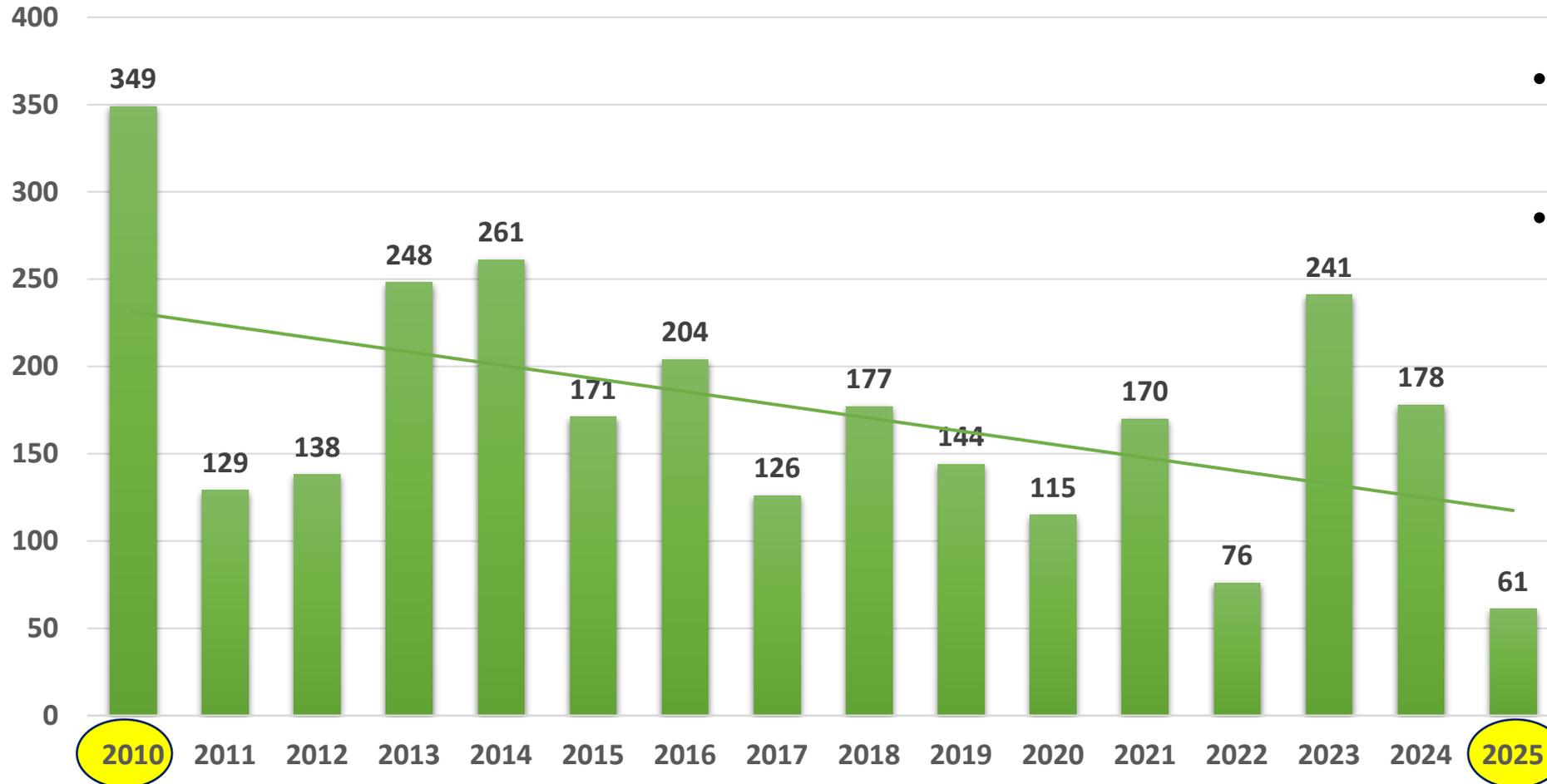


# Bechet – days with water level < LNWL

Luna	2020	2021	2022	2023	2024	2025
Jan	6	0	0	0	0	0
Feb	5	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	7
Jul	0	0	19	0	0	27
Aug	0	0	31	0	8	13
Sep	8	12	22	0	15	26
Oct	2	21	8	24	0	28
Nov	0	12	22	0	0	1
Dec	0	1	0	0	0	0
<b>Total</b>	<b>21</b>	<b>46</b>	<b>102</b>	<b>24</b>	<b>23</b>	<b>102</b>
	<b>6%</b>	<b>13%</b>	<b>28%</b>	<b>7%</b>	<b>6%</b>	<b>28%</b>
	100%	100%	100%	100%	100%	100%



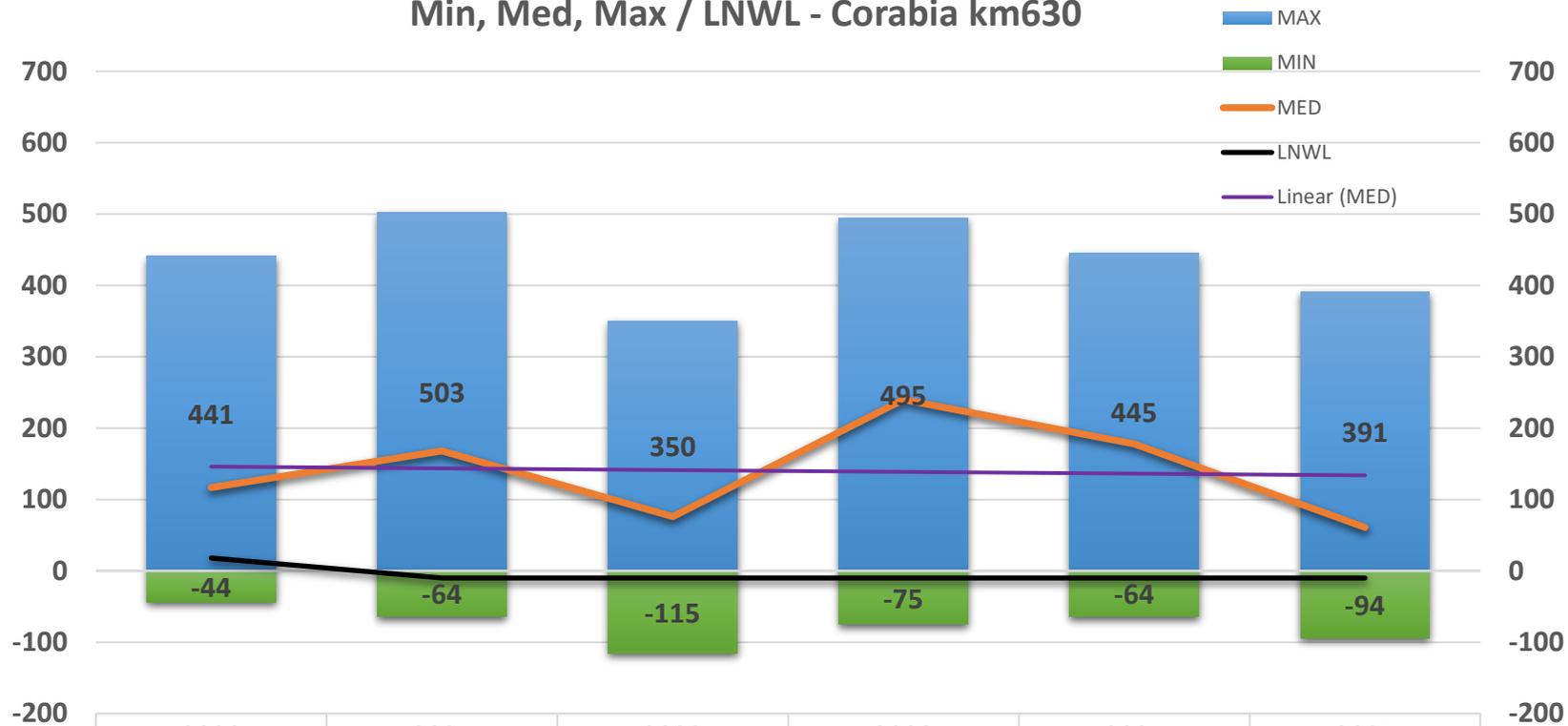
# Corabia - Annual average 2010 - 2025



- 2010 – 2025,
- Difference : 288 cm
  - 2010 – 349 cm
  - 2025 – 61 cm.

# Min, Med, Max / LNWL - Corabia km630

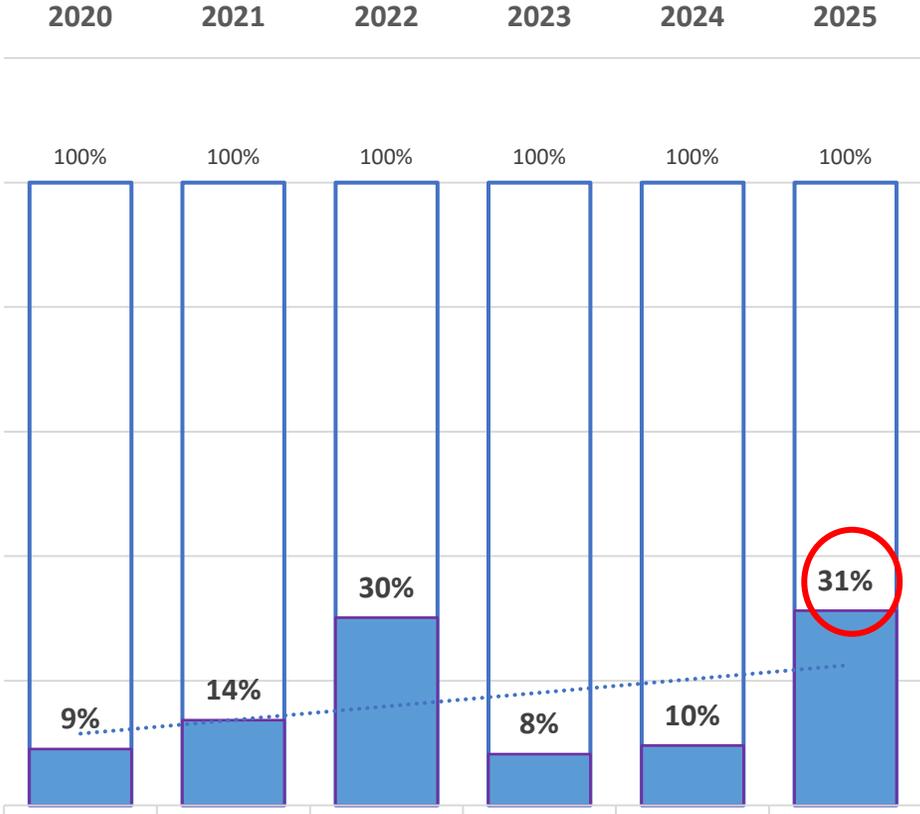
Min, Med, Max / LNWL - Corabia km630



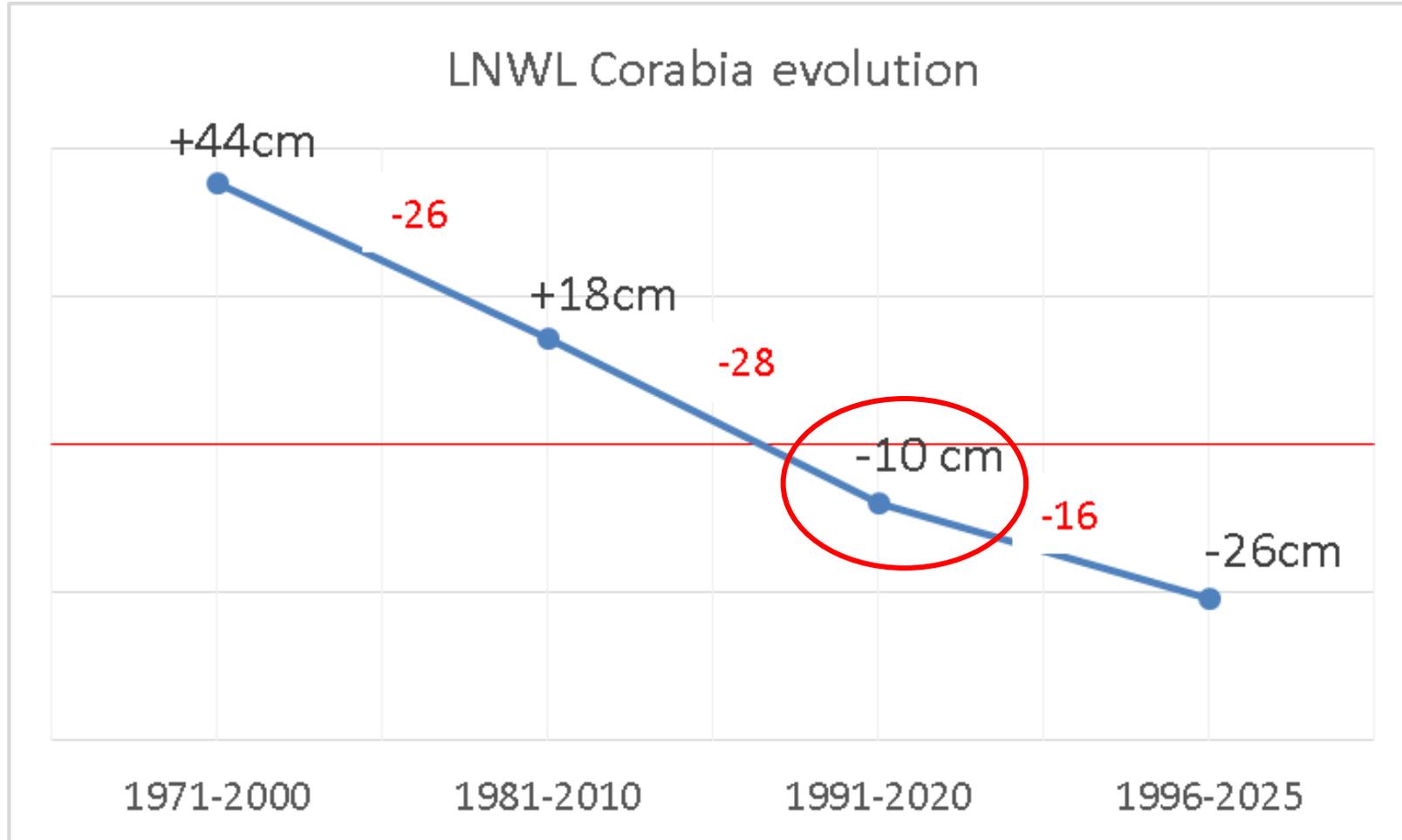
	2020	2021	2022	2023	2024	2025
MAX	441	503	350	495	445	391
MIN	-44	-64	-115	-75	-64	-94
MED	117	168	76	240	178	61
LNWL	18	-10	-10	-10	-10	-10

# Corabia – days with water level < LNWL

Luna	2020	2021	2022	2023	2024	2025
Jan	11	0	0	0	0	0
Feb	6	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	7
Jul	0	0	25	0	0	29
Aug	0	0	31	0	13	16
Sep	10	12	23	5	17	30
Oct	3	22	8	25	0	29
Nov	0	14	23	0	5	2
Dec	3	2	0	0	0	1
<b>Total</b>	<b>33</b>	<b>50</b>	<b>110</b>	<b>30</b>	<b>35</b>	<b>114</b>
	<b>9%</b>	<b>14%</b>	<b>30%</b>	<b>8%</b>	<b>10%</b>	<b>31%</b>
	100%	100%	100%	100%	100%	100%

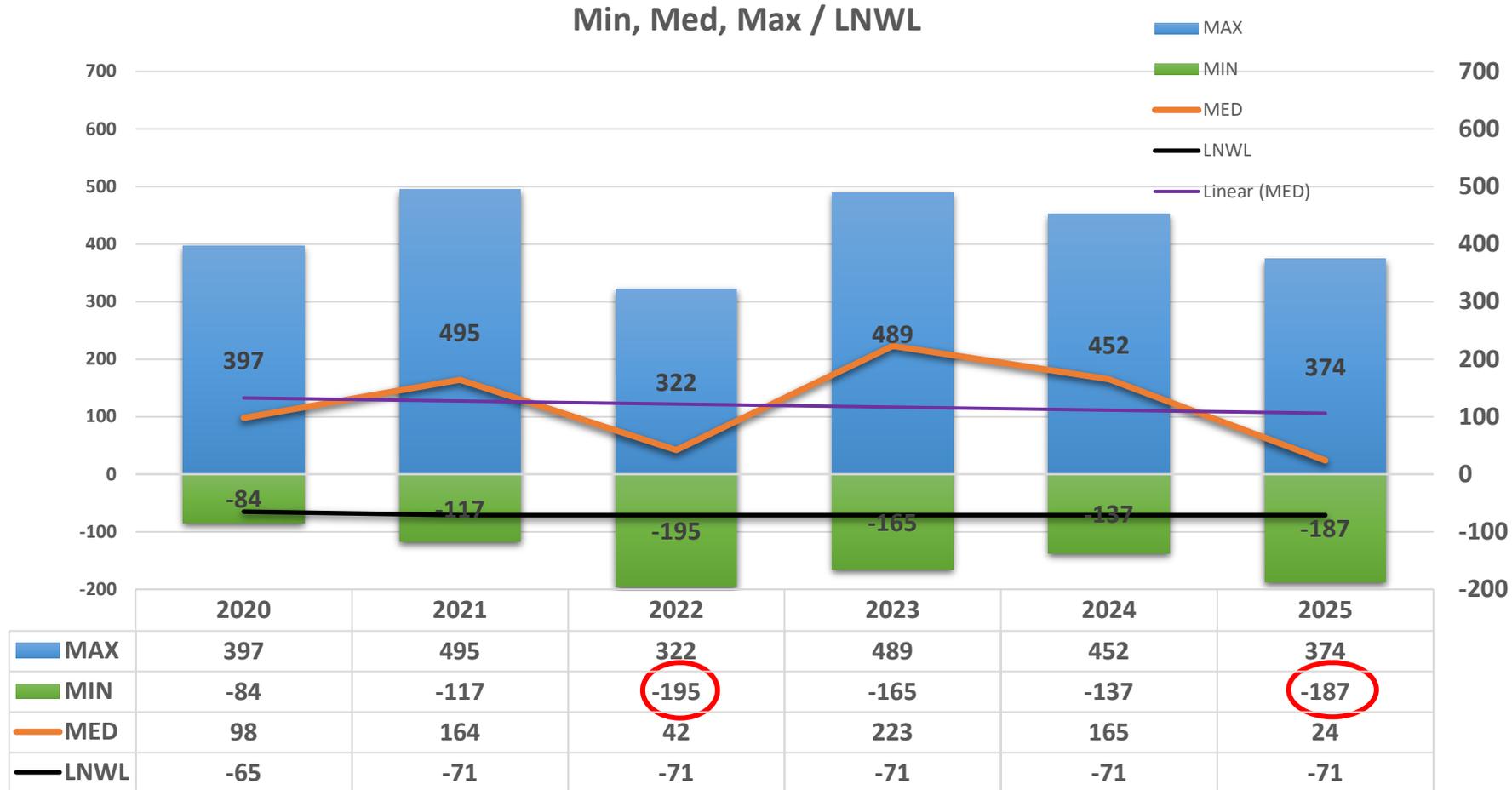


# Hydrological conditions - LNWL Corabia



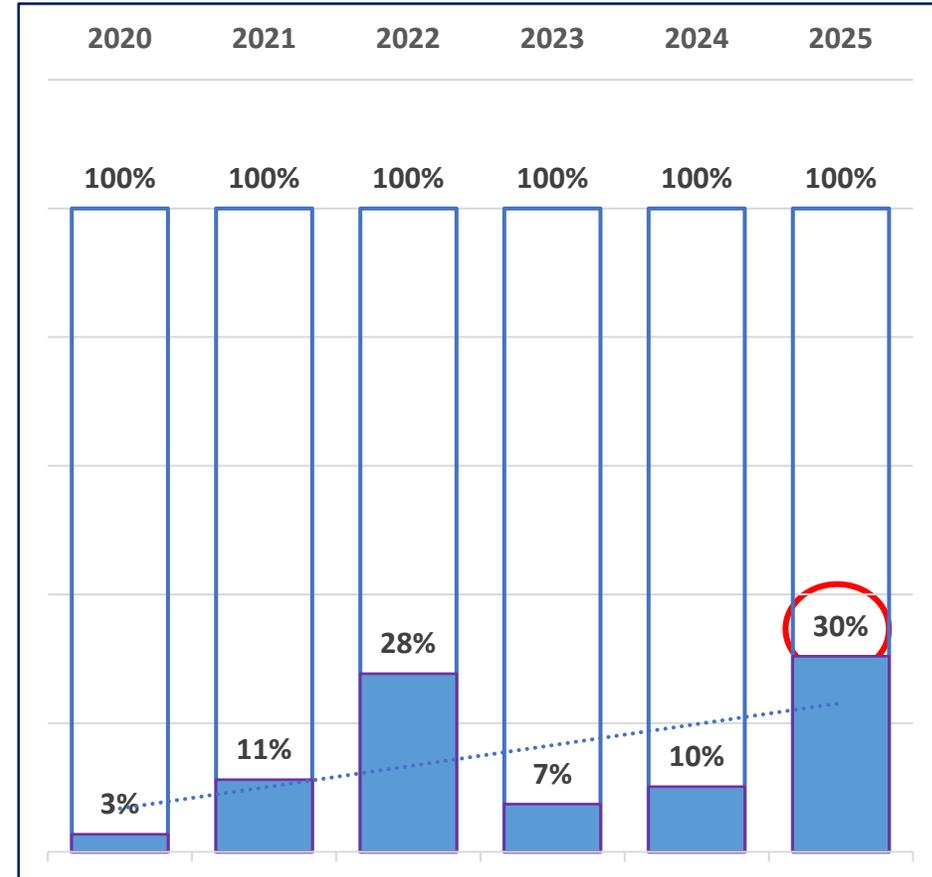
- 1991 - 2020, Official

# Min, Med, Max / LNWL - Cernavoda km300

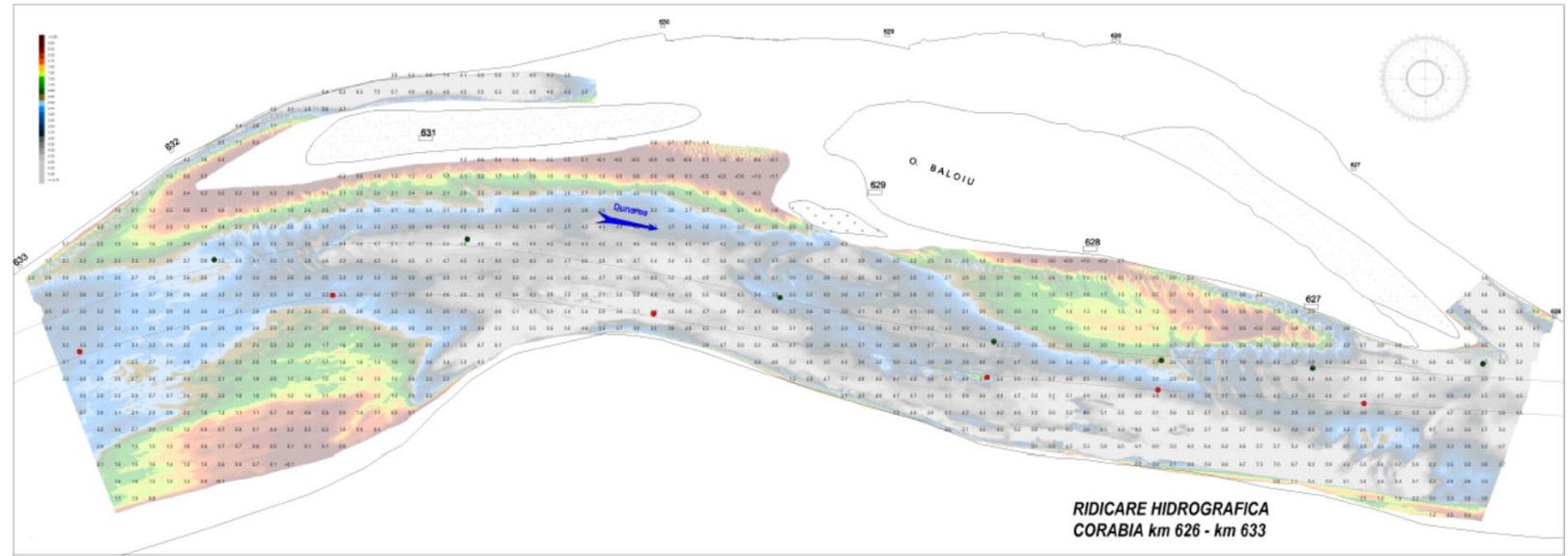
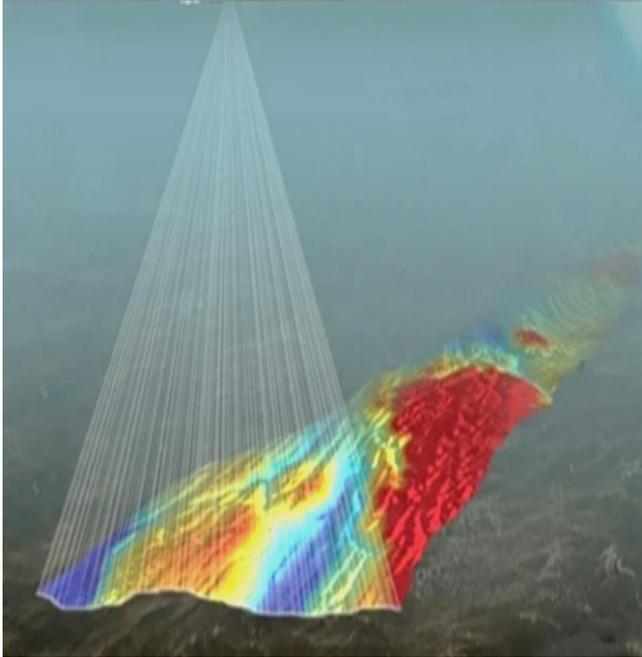


# Cernavoda – days with water level < LNWL

Luna	2020	2021	2022	2023	2024	2025
Jan	0	0	0	0	0	0
Feb	4	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	4
Jul	0	0	16	0	0	31
Aug	0	0	31	0	19	16
Sep	1	7	26	1	17	30
Oct	5	19	3	22	0	25
Nov	0	12	25	4	1	5
Dec	0	3	0	0	0	0
<b>Total</b>	<b>10</b>	<b>41</b>	<b>101</b>	<b>27</b>	<b>37</b>	<b>111</b>
	<b>3%</b>	<b>11%</b>	<b>28%</b>	<b>7%</b>	<b>10%</b>	<b>30%</b>
	100%	100%	100%	100%	100%	100%

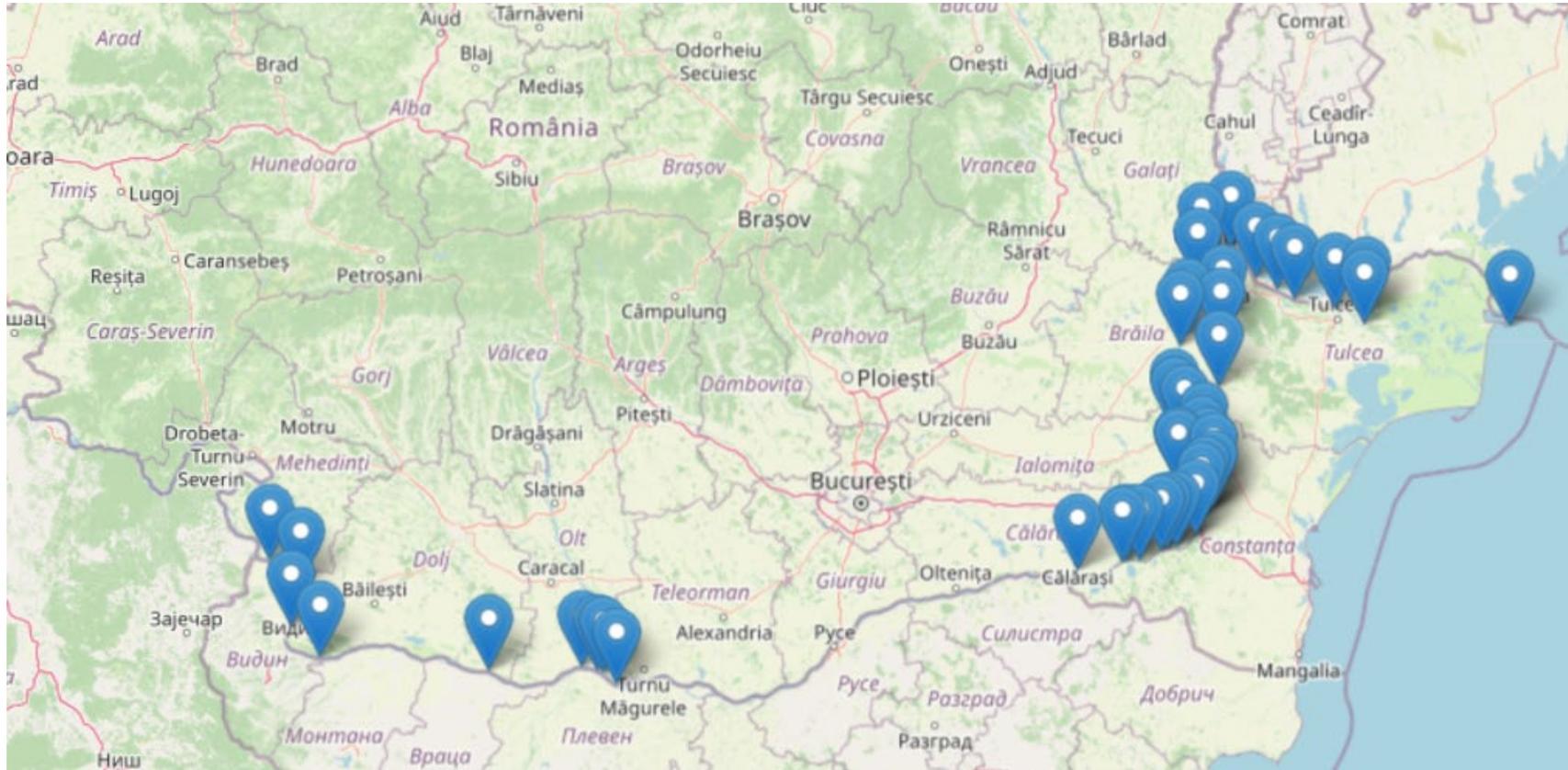


# 2020 - 2025 - Monitoring Hydrographical overview



# Monitoring – hydrographical actions

- The waterway maintenance activities, for Danube sector



# Monitoring – hydrographical actions

Name	Upstream	Downstream	Length (km)	Priority
Bara Sulina	Hm79	Hm100	2,1	● 1
Prut	Mm74	Mm72+1800	1,9	● 1
Siret	155	153	2	● 2
Ghindaresti	264	262,5	1,5	● 2
Albanesti	276,4	274,5	1,9	● 2
Capidava	282	279,2	2,8	● 2
Seimeni2	294	292	2	● 2
Cochirleni	309,5	304,5	5	● 1
Fermecatu aval	318	317	1	● 2
Fermecatu amonte	323	322	1	● 2
Caragheorghe_Turcescu	345,5	341,5	4	● 1
Calnovat	613	610	3	● 1
Calnovat amonte	617	614	3	● 1
Corabia	633	626	7	● 2
Bechet	678	675	3	● 1
Bogdan Secian	785	783	2	● 2
Salcia	824	818	6	● 1
Garla Mare	840	838	2	● 2

**Main critical sections - 18**

# 2020 – 2025, survey, rkm 845 – rkm 700

	Garla Mare		Salcia		Bogdan Secian		Pietrisu Dobrina	
	SB	MB	SB	MB	SB	MB	SB	MB
2020	4	0	5	1	5	3	2	2
2021	8	0	9	0	10	3	11	0
2022	10	1	10	1	9	2	8	0
2023	10	1	9	3	8	2	9	0
2024	6	3	8	6	5	5	7	3
2025	6	1	7	3	6	6	8	2
<b>TOTAL 1</b>	<b>44</b>	<b>6</b>	<b>48</b>	<b>14</b>	<b>43</b>	<b>21</b>	<b>45</b>	<b>7</b>
<b>TOTAL</b>	<b>50</b>		<b>62</b>		<b>64</b>		<b>52</b>	

# 2020 – 2025, survey, rkm 700 – rkm 610

Bechet		Corabia		Garcov		Calnovat Amonte		Calnovat		
SB	MB	SB	MB	SB	MB	SB	MB	SB	MB	
1	8	1	8	0	0	0	0	4	8	2020
6	11	8	10	0	0	0	0	5	10	2021
7	5	7	5	0	0	8	5	5	6	2022
6	8	7	8	0	0	5	5	6	2	2023
3	5	5	3	3	0	3	5	5	5	2024
3	9	3	6	5	5	4	3	3	5	2025
<b>26</b>	<b>46</b>	<b>31</b>	<b>40</b>	<b>8</b>	<b>5</b>	<b>20</b>	<b>18</b>	<b>28</b>	<b>36</b>	<b>TOTAL 1</b>
<b>72</b>		<b>71</b>		<b>13</b>		<b>38</b>		<b>64</b>		<b>TOTAL</b>

Around 1 survey / month

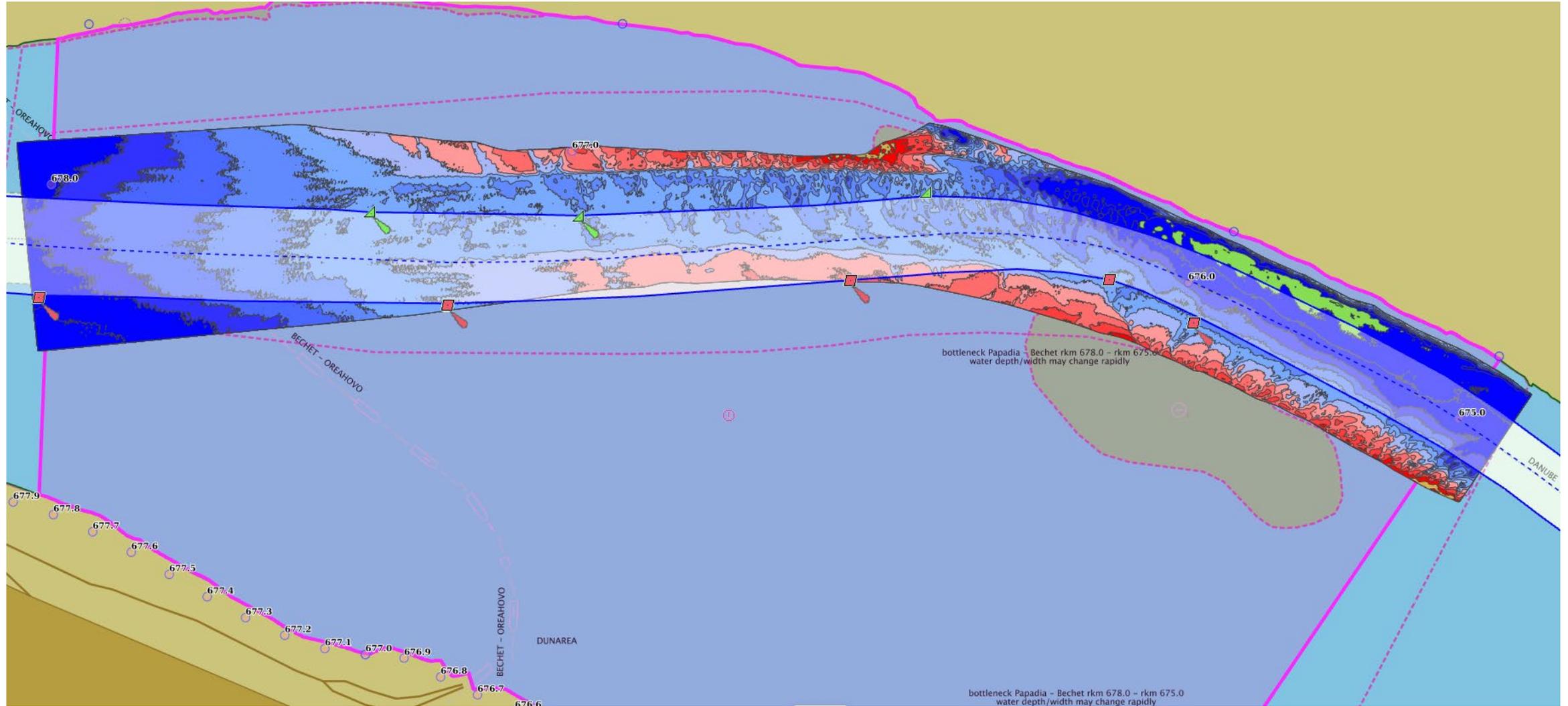
# 2020 – 2025, survey, rkm 375 – rkm 250

Caragheorghe		Fermecatu amonte		Cochirleni		Seimeni 2		Seimeni aval		Capidava		
SB	MB	SB	MB	SB	MB	SB	MB	SB	MB	SB	MB	
5	4	3	0	4	7	3	7	1	9	2	7	2020
8	3	8	1	3	4	1	6	1	8	2	7	2021
8	0	5	0	7	2	1	6	0	6	2	11	2022
5	2	6	1	3	4	2	2	1	5	2	7	2023
8	1	5	0	4	6	0	8	0	11	0	10	2024
3	6	3	5	1	6	1	8	1	8	1	7	2025
37	16	30	7	22	29	8	37	4	47	9	49	
53		37		51		45		51		58		TOTAL

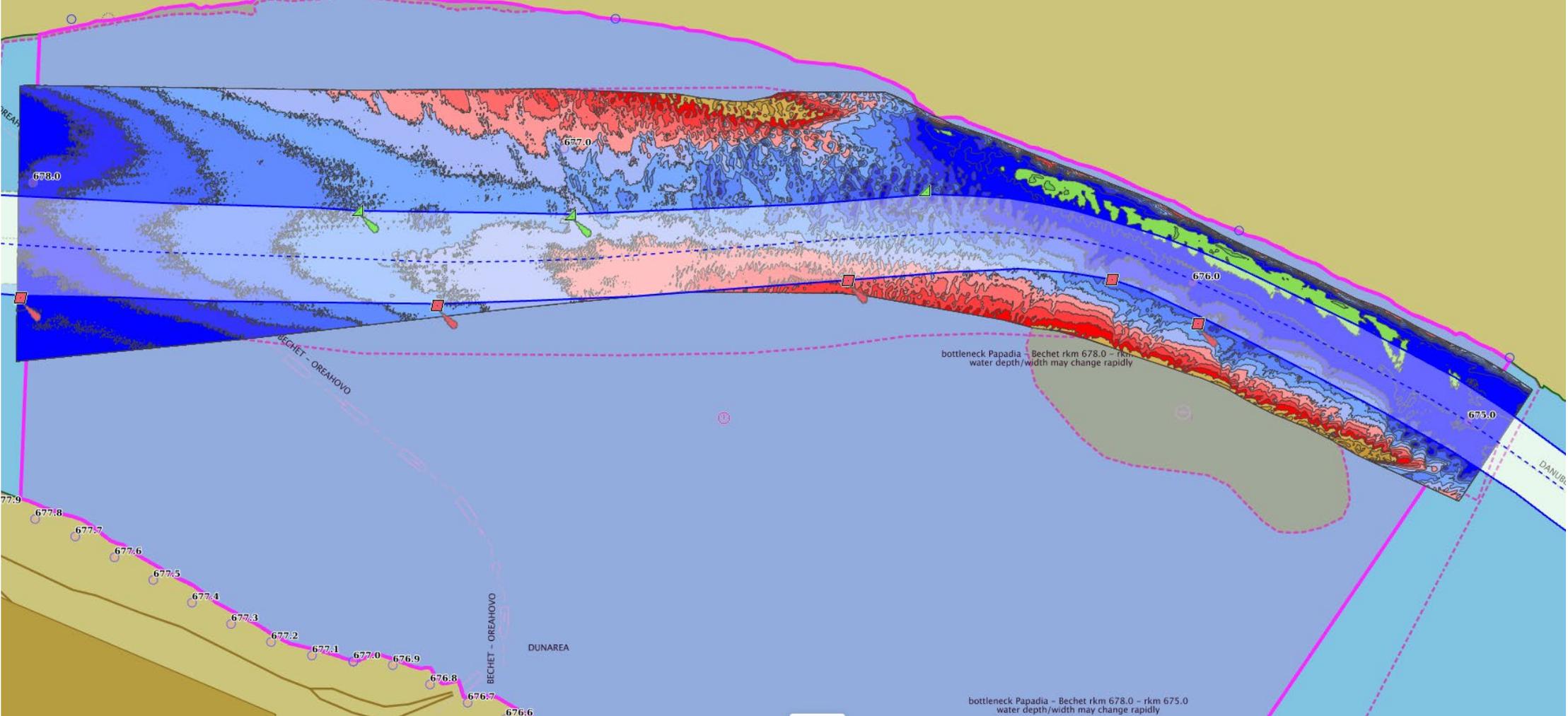
- **TOTAL River Kilometer survey during 2025 = 5645 km**



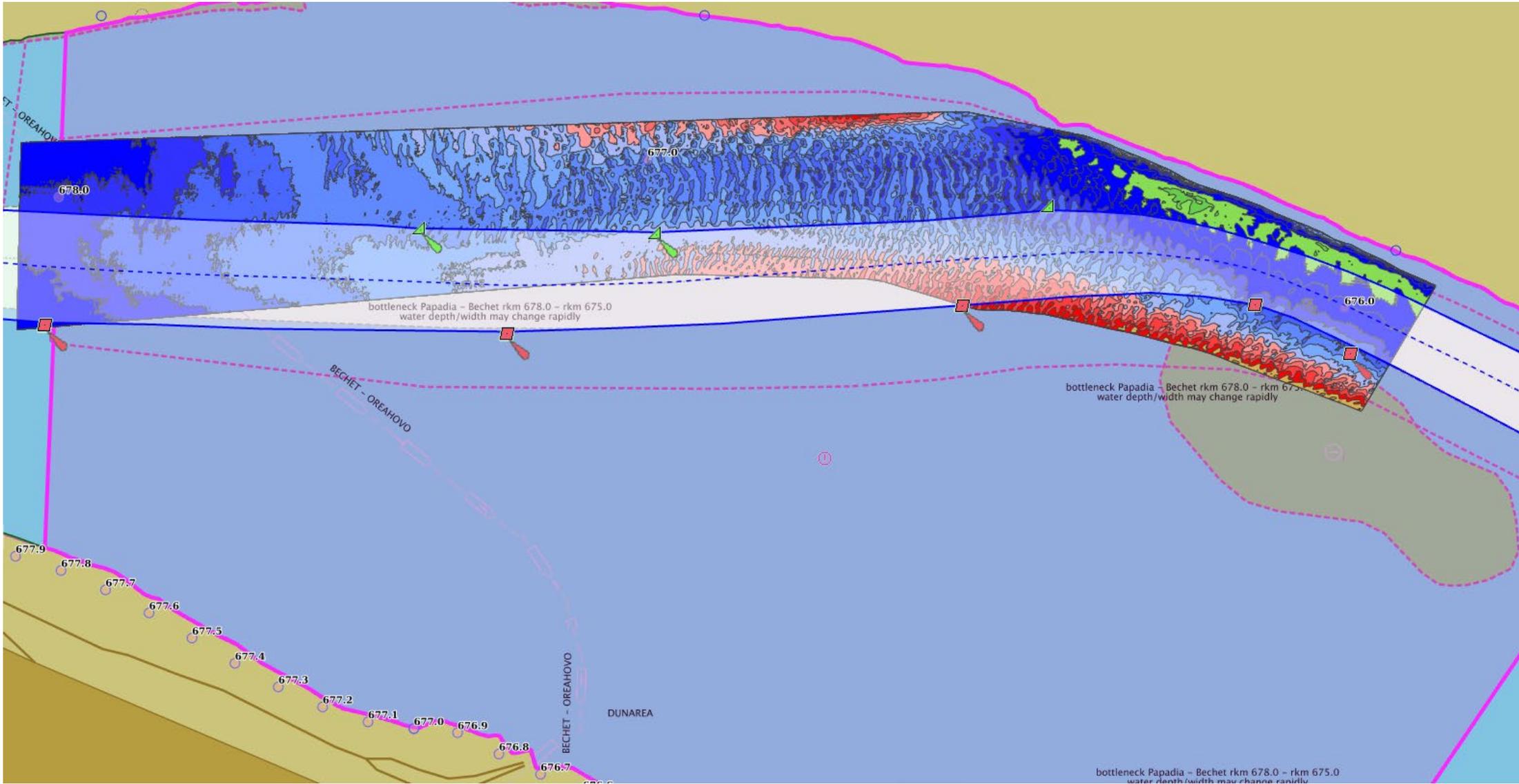
# Bechet, April 2024



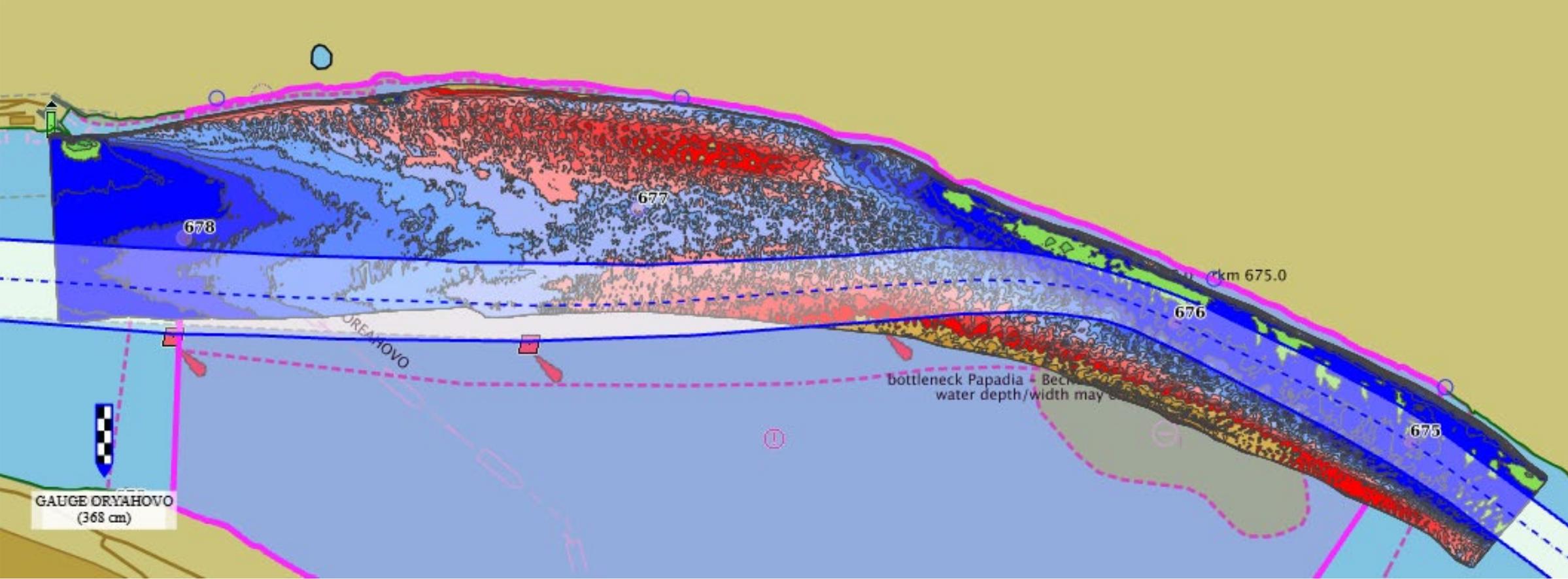
# Bechet, April 2023



# Bechet, April 2022



# Bechet, March 2021

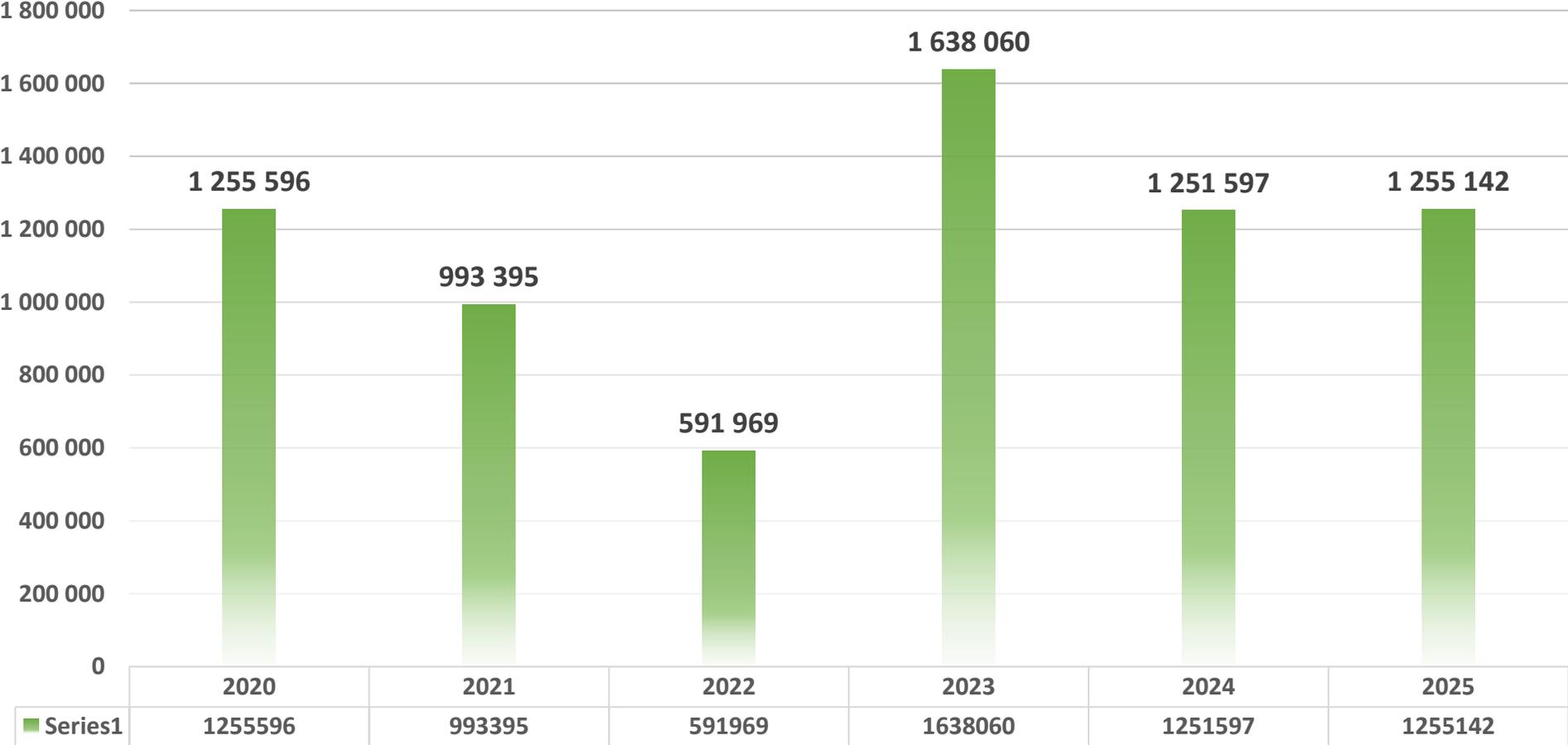


# Dredging activities - 2020 - 2025

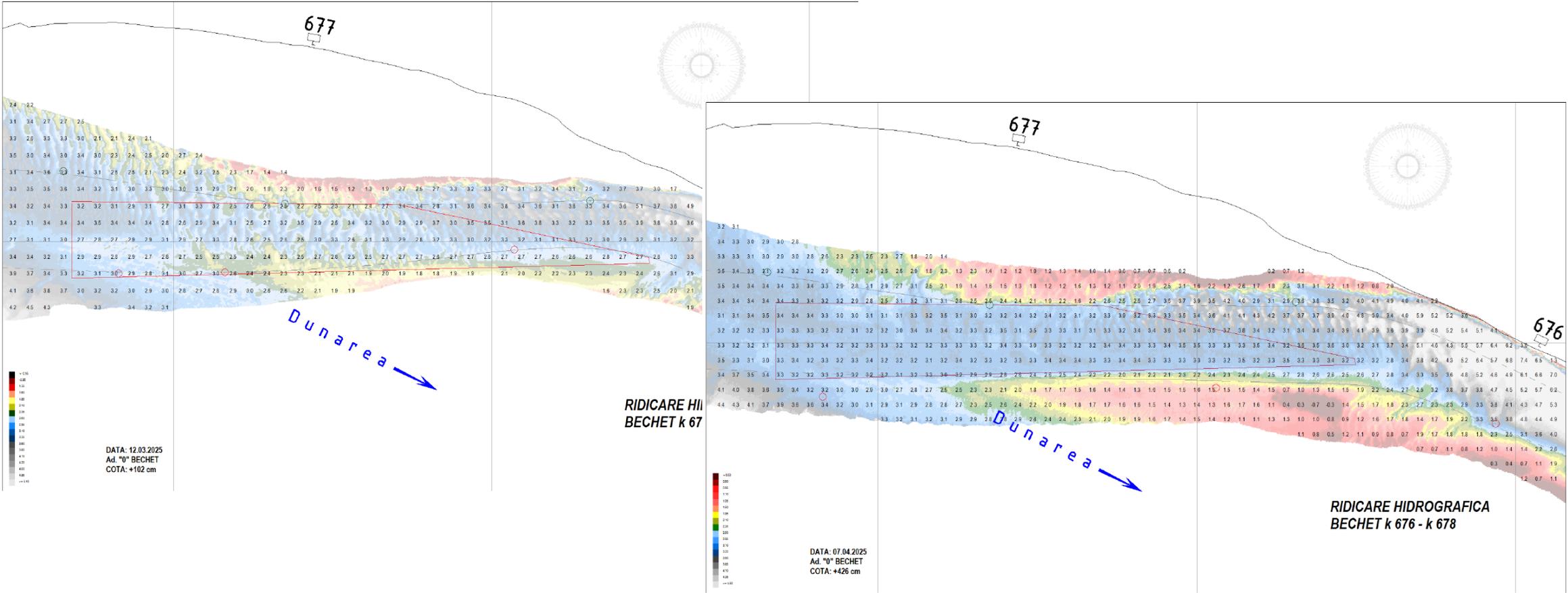


# 2020 – 2025, dredging activities

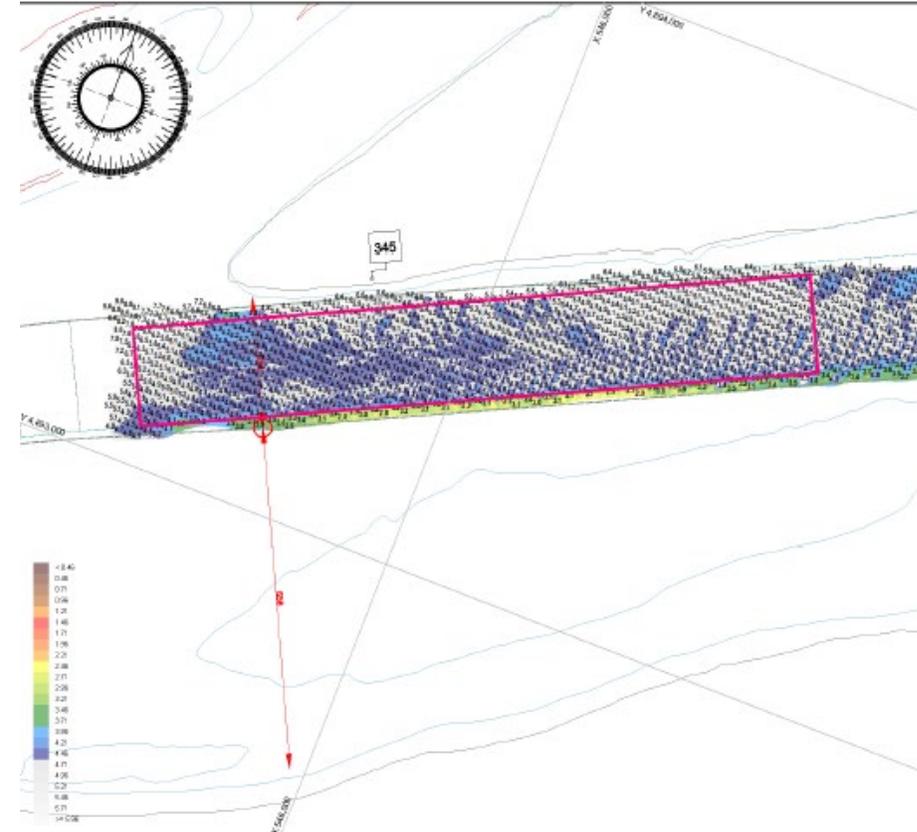
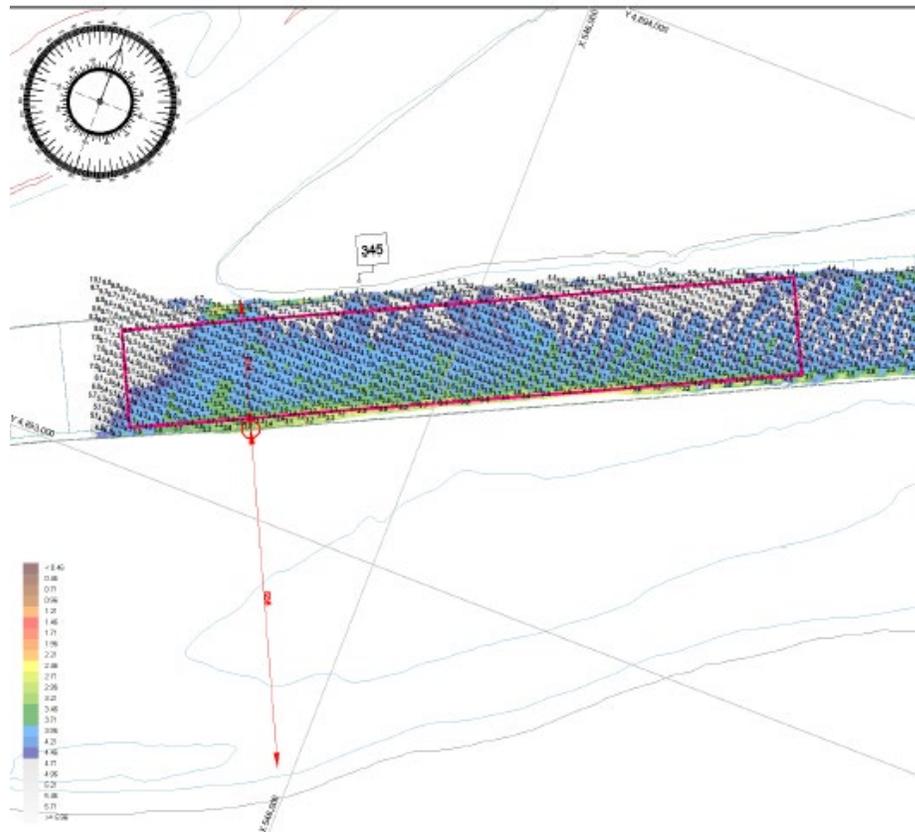
## TOTAL DREDGING VOLUME



# Spring dredging work Bechet 2025 before/after



# Last dredging work Caragheorghie-Turcescu 2025 before/after



# 2025 – Dredging Activities

<b>Dredging 2025</b>			
<b>A. Maritime Danube</b>	Sulina – Braila	NM0 – rkm 175	174.908 m <sup>3</sup>
	Prut upstream	Nm73-Mm74	164.573 m <sup>3</sup>
	Siret downstream	rkm153-rKm155	10.335 m <sup>3</sup>
<b>B. River Sector</b>	Braila – Calafat	rkm 175 – rkm 795	1.080.234 m <sup>3</sup>
<b>Dredging carried out under a framework contract</b>			
<b>1..Downstream Cernavoda</b>			
	Capidava	rkm 279 - rkm 281.5	55.473 m <sup>3</sup>
	Albanesti	rkm 269 - rkm 273	39.224 m <sup>3</sup>
	Seimeni	rkm 288 - rkm 294	151.137 m <sup>3</sup>
	<b>Total</b>		<b>270.000 m<sup>3</sup></b>
<b>2.Upstream Cernavoda</b>			
	Caragheorghe	rkm 342 - rkm 345	216.500 m <sup>3</sup>
	Cochirleni	rkm 304 - rkm 310	167.500 m <sup>3</sup>
	<b>Total</b>		<b>384.000 m<sup>3</sup></b>
<b>3. Upstream Calnovat</b>			
	Bogdan Secean	rkm 783 - rkm 785	43.708 m <sup>3</sup>
	Garcov	rkm 621 - rkm 623	16.033 m <sup>3</sup>
	Corabia	rkm 626 - rkm 632	49.845 m <sup>3</sup>
	Bechet	rkm 675 - rkm 678	158.597 m <sup>3</sup>
	Calnovat	rkm 613 - rkm 616	31.817 m <sup>3</sup>
	<b>Total</b>		<b>300.000 m<sup>3</sup></b>
<b>4. Dredging with AFDJ's own equipment</b>			
	Upstream Calnovat		47.600 m <sup>3</sup>
	Upstream Cernavoda		78.634 m <sup>3</sup>

# 2025 – Results

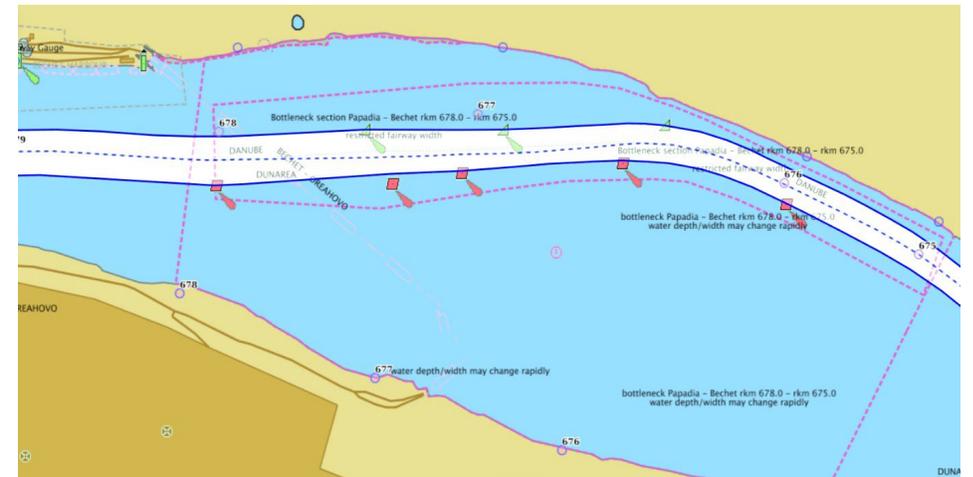
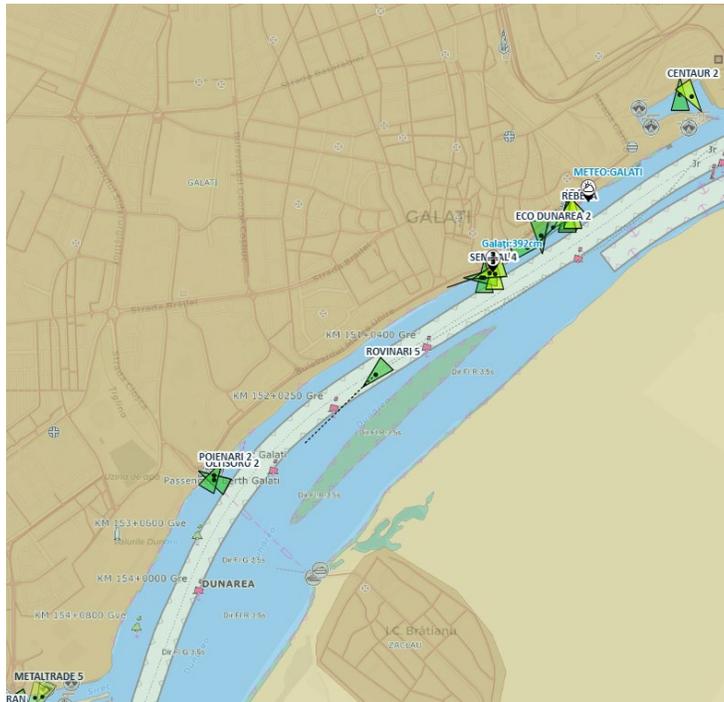
## Days with depth $\leq 2.5$

Critical sector	Days
Garla Mare (km 838 - km 840)	0
Salcia (km 823 - km 820)	26
Bogdan Secian (km 785 - km 783)	30
Dobrina (km 764 - km 762)	22
Bechet (km 678 - km 675)	15
Corabia (km 633 - km 626)	30
Garcov (km 623 - km 621)	21
Calnovat Amonte (km 617 - km 614)	0
Calnovat (km 613 - km 610)	49

## Days with Water level $\leq$ LNWL

Location	LNWL (cm)	Days
Calafat (km 795)	-5	128
Bechet (km 679)	31	101
Corabia (km 630)	-10	117
Turnu Magurele (km 597)	30	133
Giurgiu (km 493)	-25	118
Oltenita (km 430)	19	128

# 2020 - 2025 - IENC Production overview



# 2020 – 2025, IENC - update

SECTOR	km 1075 - km 845	km 845 - km 610	km 610 - km 375	km 375 - km 300	Bala - Borcea	CDMN - PAMN	Canal Bega	TOTAL
2020	5	6	0	4	0	0	0	15
2021	8	14	0	9	3	2	0	36
2022	8	14	3	0	0	0	0	25
2023	7	14	0	4	0	0	0	25
2024	2	10	0	1	0	0	0	13
2025	2	11	6	3	0	0	0	22

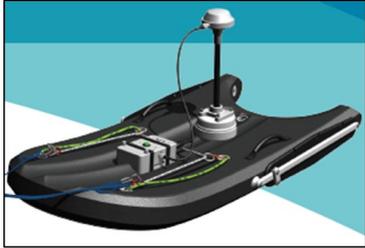
## ELECTRONIC NAVIGATION CHARTS FILES

Sectorul Dunare					
Sector name	Kilometric distance	Publishing date	Map edition	File	File size
Canal Sulina (Mm0-Mm47)	Mm0-Mm47	02-02-2026	3R7D Edition 2	 <a href="#">Download</a>	441.51 KB
Mm47-Km175	Mm47-Km175	02-02-2026	3R7D Edition 2	 <a href="#">Download</a>	225.79 KB
Km175-Km297	Km175-Km297	02-02-2026	3R7D Edition 2	 <a href="#">Download</a>	290.03 KB
Km297-Km375	Km297-Km375	12-09-2025	3R7D Edition 2	 <a href="#">Download</a>	312.59 KB
Km610-Km845	Km610-Km845	02-27-2026	3R7D Edition 2	 <a href="#">Download</a>	668.89 KB
Km845-Km1075	Km845-Km1075	02-27-2026	3R7D Edition 1	 <a href="#">Download</a>	668.89 KB

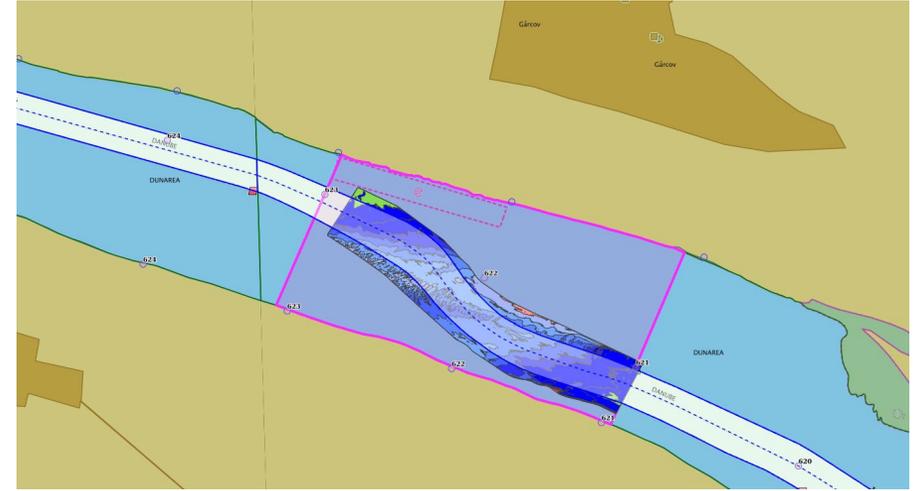
# 2020 – 2025, IENC - update

SECTOR	km 300 – km 175	Km 175 – Nm 47	Nm47 – Bara Sulina	TOTAL
2020	4	5	3	12
2021	5	6	7	18
2022	3	3	4	10
2023	2	2	3	7
2024	3	4	5	12
2025	5	5	5	15

ELECTRONIC NAVIGATION CHARTS UPDATES					
Sector name	Kilometric distance	Publishing Date	Update changes description	Update file	Size
Canal Sulina (Mm0-Mm47)	Mm0-Mm47	02-02-2026		<a href="#">Download</a>	495.94 KB
Mm47-Km175	Mm47-Km175	02-02-2026		<a href="#">u_20260131-mm47-km175.zip</a>	292.74 KB
Km175-Km297	Km175-Km297	02-02-2026		<a href="#">u_20260131-km175-km297.zip</a>	407.3 KB
Km297-Km375	Km297-Km375	12-09-2025		<a href="#">Download</a>	333.44 KB
Km610-Km845	Km610-Km845	02-27-2026		<a href="#">Download</a>	1.02 MB
Km845-Km1075	Km845-Km1075	02-27-2026		<a href="#">Download</a>	1.02 MB

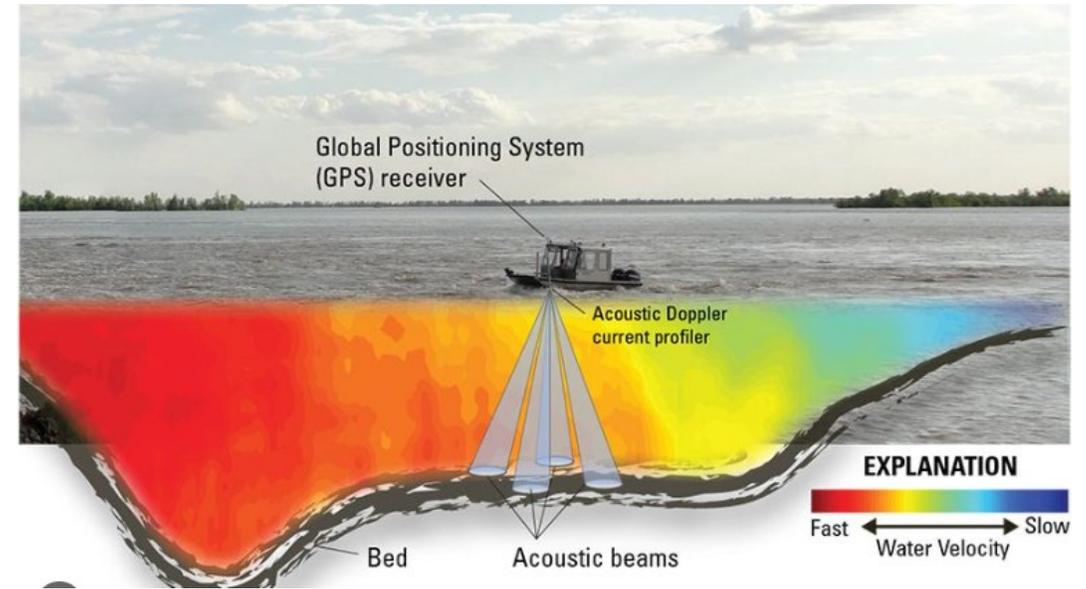


# 2026 Planned Activities



# Hydrology

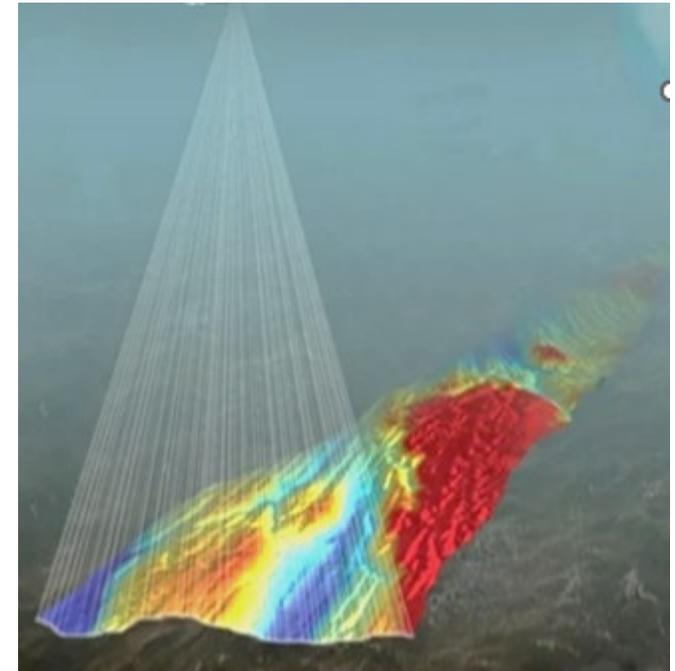
- Velocity and direction
  - Calafat rkm 787
  - Bechet rkm 678
  - Corabia rkm 625
  - Giurgiu rkm 493
  - Oltenita rkm 430
  - Chiciu rkm 378



INTERVAL m <sup>3</sup> /s	Chiciu (km 379)		Oltenita (km 430)		Giurgiu (km 493)		Corabia (km 625)		Bechet (km 679)		Calafat (km 787)	
	Numar	Data	Numar	Data	Numar	Data	Numar	Data	Numar	Data	Numar	Data
2000 - 3000	6	29.10.2013/19.10.2017	3	20.10.2018/10.11.2022	7	22.08.2012/02.11.2018	6	30.08.2012/16.07.2022	7	30.08.2012/29.08.2025	4	07.09.2019/27.08.2025
3000 - 4000	6	30.10.2013/23.03.2025	8	21.08.2012/21.01.2020	7	27.09.2012/20.01.2020	7	30.07.2013/11.03.2025	4	24.07.2012/11.03.2025	2	15.10.2016/15.05.2020
4000 - 5000	5	29.10.2013/05.08.2020	4	11.04.2017/21.03.2025	7	13.07.2012/23.08.2021	11	14.11.2013/25.01.2025	4	05.11.2015/08.08.2025	1	24.01.2025
5000 - 6000	2	25.08.2016/04.10.2017	4	23.03.2012/04.10.2017	8	04.07.2012/31.01.2014	10	21.11.2013/04.06.2024	9	24.06.2012/18.04.2022	11	27.06.2012/28.02.2022
6000 - 7000	4	05.02.2013/13.03.2024	2	04.02.2013/13.03.2024	6	09.04.2012/18.03.2024	7	10.03.2014/22.06.2023	8	11.03.2014/19.03.2020	3	10.05.2015/18.03.2020
7000 - 8000	3	08.03.2017/12.01.2022	3	09.03.2017/13.01.2022	6	13.03.2013/03.03.2021	4	23.05.2013/22.06.2023	4	21.02.2013/08.04.2023	2	11.08.2014/21.01.2018
8000 - 9000	4	04.06.2015/26.04.2023	4	02.06.2012/26.04.2023	6	10.06.2014/27.04.2023	3	19.02.2013/12.08.2014	2	16.05.2013/23.06.2023	1	14.03.2015
9000 - 10000	3	31.05.2012/05.03.2016	2	31.05.2012/07.06.2015	4	30.05.2012/06.02.2021	3	15.03.2015/22.06.2023	3	14.03.2015/14.02.2021	1	23.03.2016
10000 - 11000	1	20.03.2013	2	21.03.2013/05.03.2013	5	18.03.2013/20.02.2021	1	19.03.2016				
11000 - 12000					2	19.03.2013/19.05.2014	2	21.05.2014/25.05.2014	1	23.05.2014		
12000 - 13000					2	12.04.2013/20.05.2014			1	25.05.2014		

## Survey Planned activities - 2026

- SCN Giurgiu - 62 (SB), 43 (MB);
  - ACN Calarasi – 31 (SB), 8 (MB);
  - ACN Braila – 33 (SB), 68 (MB);
  - AFDJ RA Galati – 12 (SB), 30 (MB);
  - SCN Sulina – 26 (MB).
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- **TOTAL – 138 (SB) and 175 (MB)**





## Dredging planned activities - 2026

	<b>Own echipment</b>	<b>Framework contract</b>
<b>AFDJ Galati</b>	<b>320.000mc (240.000 DM + 80.000 DF)</b>	<b>0 mc</b>
<b>ACN Braila (Km175 – Km300)</b>		<b>200.000 mc</b>
<b>ACN Calarasi</b>	<b>40.000 mc</b>	<b>200.000 mc</b>
<b>SCN Giurgiu</b>	<b>85.000 mc</b>	<b>200.000 mc</b>
<b>ACN Drobeta Turnu Severin</b>	<b>15.000 mc</b>	<b>0 mc</b>
<b>TOTAL</b>	<b>220.000 mc</b>	<b>600.000 mc</b>

# FAIRway Danube II – GNS status 2025-2026



Co-financed by the Connecting Europe  
Facility of the European Union

Need area	Operational expenditures 2025 [€]	Required operational budget 2026 [€]	Secured operational budget 2026 [€]	Remaining financing gap 2026 [€]
Minimum fairway parameters (width/depth) – maintenance dredging	8.550.000	7.350.000	7.350.000	-
Surveying of the riverbed	1.150.000	1.150.000	1.150.000	-
Water level gauges				
Marking of the fairway	4.518.000	4.520.000	4.520.000	-
Availability of locks / lock chambers				
Information on water levels and forecasts				
Information on fairway depths				
Information on marking plans				
Meteorological information				
Other needs				
<b>Sum [€]</b>	<b>14.218.000</b>	<b>13.020.000</b>	<b>13.020.000</b>	<b>-</b>

- Operational expenditures:
  - activities 2025,
  - budget needs 2026.

# Publication results - 2026

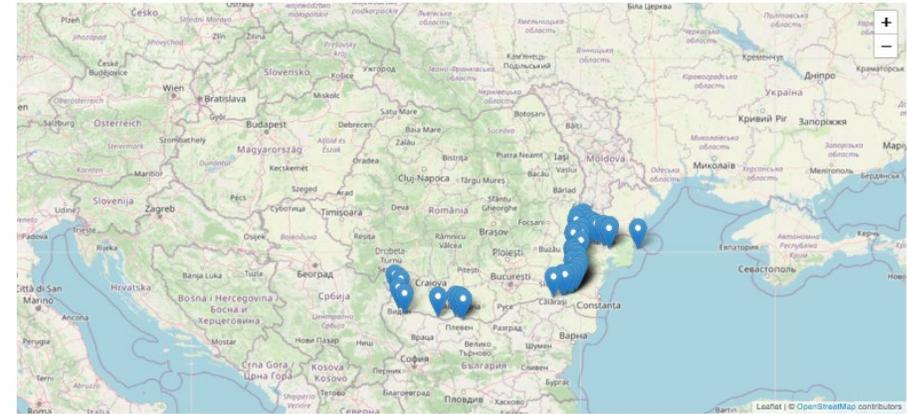


R.A. Administrația Fluvială a Dunării de Jos Galați

All information available on AFDJ website ([www.afdj.ro](http://www.afdj.ro)) :

- Daily water level;
- Forecast, 7 days;
- Hydrographical survey results (daily available depths in critical sectors);
- IENC, available, for free;

As well, on FIS Portal and NtS, if necessary.



Puncte critice Dunare

Numele sectiunii critice	Data masurarii	De la km	Pana la km	Schita
Garla Mare	23/02/2025	838,00	840,00	<a href="#">Schita Garla Mare</a>
Salcia	22/02/2025	823,00	820,00	<a href="#">Schita Salcia</a>
Bogdan Secian	21/02/2025	785,00	783,00	<a href="#">Schita Bogdan Secian</a>
Ostrov Dobrina	20/02/2025	764,00	762,00	<a href="#">Schita Ostrov Dobrina</a>
Papadia-Bechet	28/02/2025	678,00	675,00	<a href="#">Schita Papadia-Bebet</a>
Corabia	18/01/2025	633,00	626,00	<a href="#">Schita Corabia</a>



# Galati Lower Danube River Administration, ROMANIA

## AFDJ Galati team

