



Review of fairway conditions on the Danube in 2024

*Budapest, 04 of March 2025
River Administration of the Lower Danube Galati*

Agenda

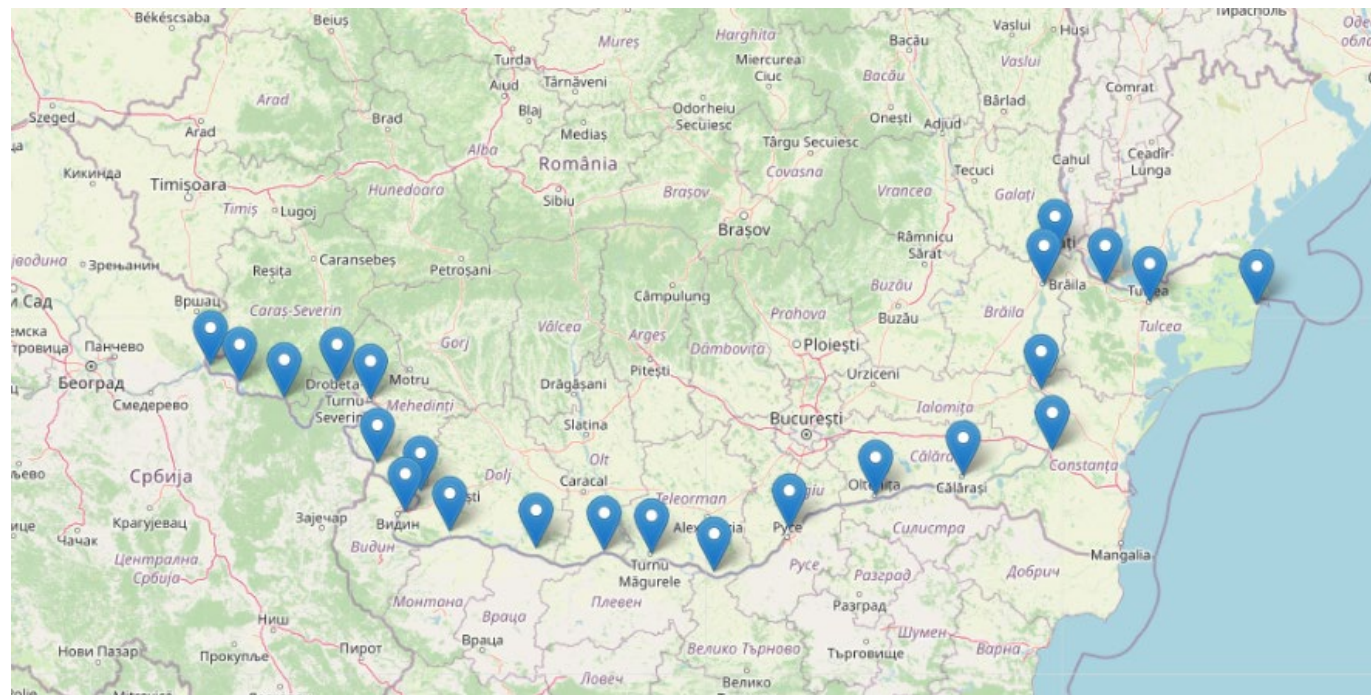
- *2024 – overview*
- *Monitoring – hydrological actions*
- *Monitoring – hydrographical actions*
- *Dredging works*
- *Publication results*



Monitoring – hydrological actions (1)

Along the Romanian Danube sector, there are **23 hydro-meteo stations** from where, we collect, information about:

- **Water level,**
- **water and air temperature,**
- **wind direction and speed,**
- **visibility and others parameters;**

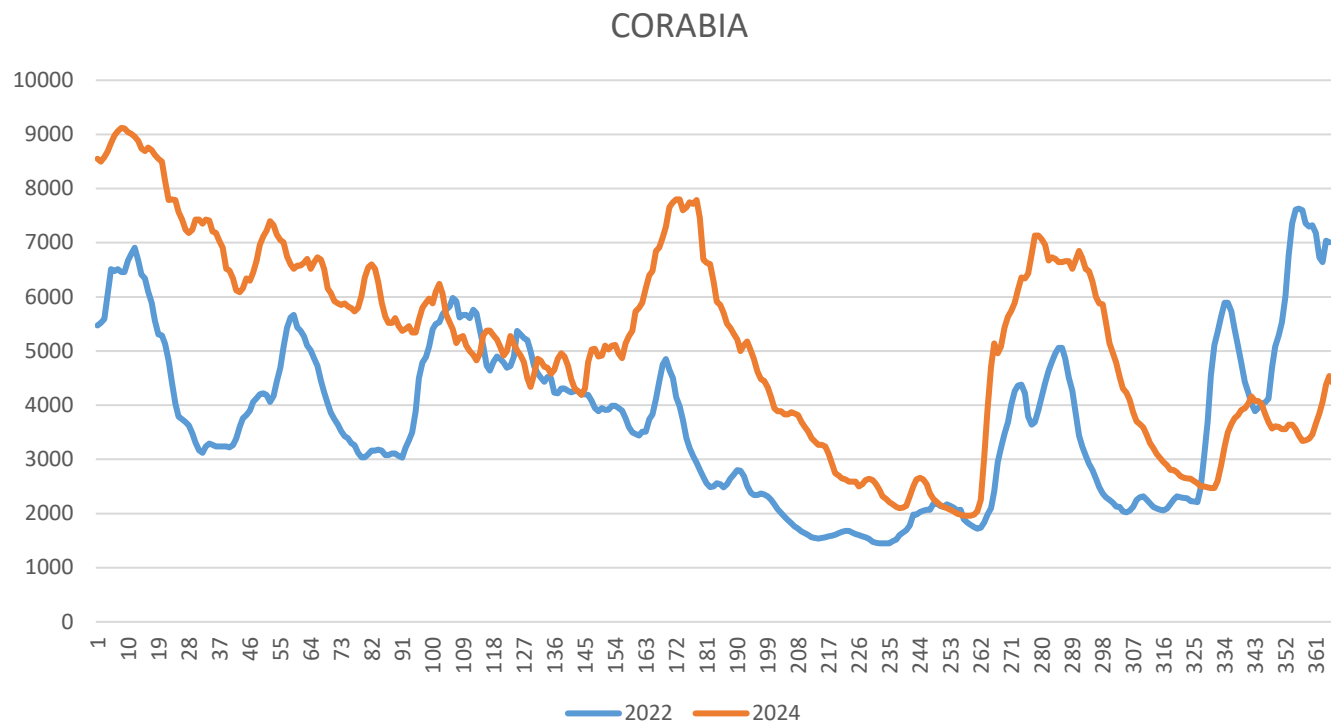


Publish the info

- <https://www.afdj.ro/ro/cotele-dunarii>

Monitoring – hydrological actions (2)

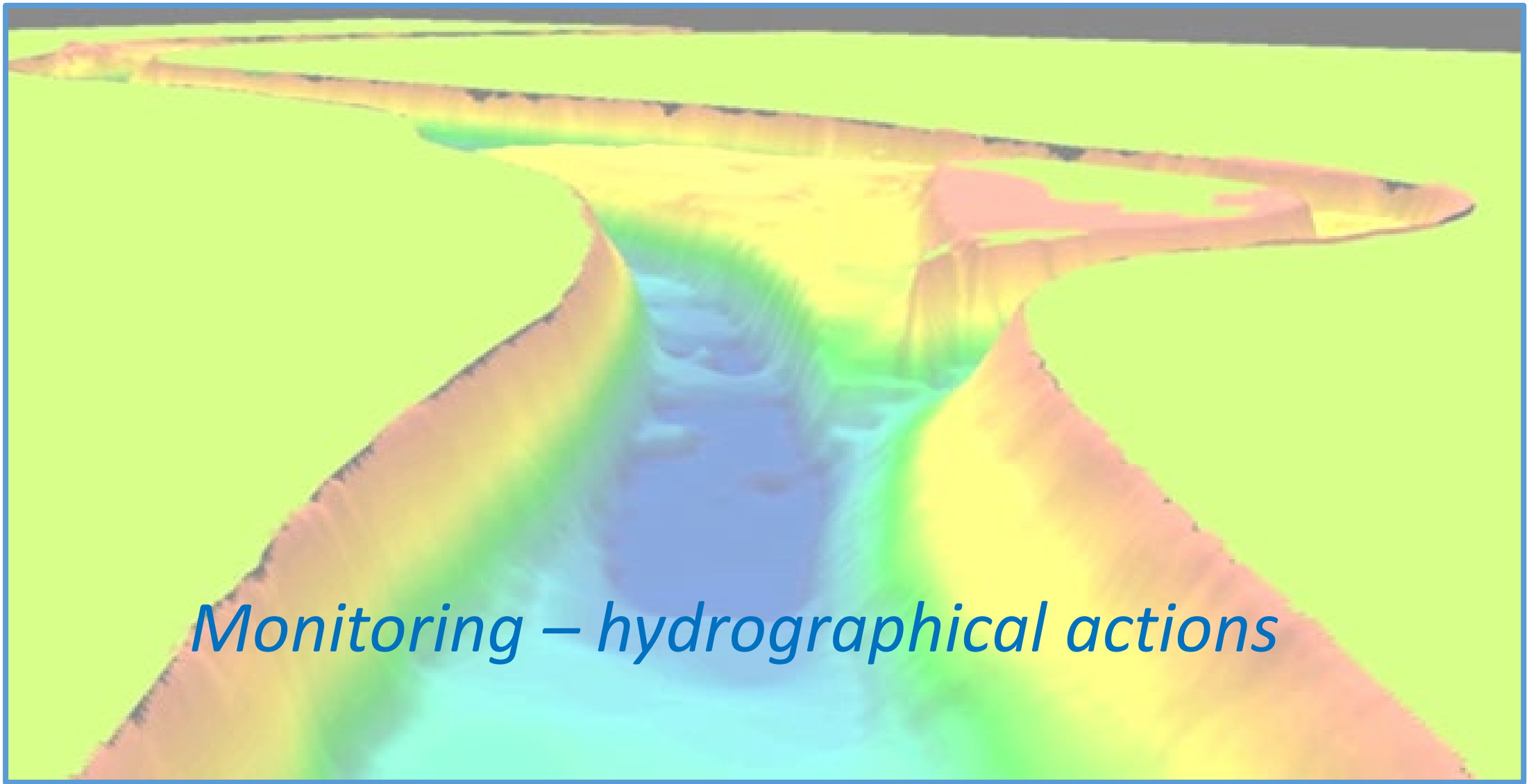
- Within the period 2020 – 2024,
 - the **lowest water level year** from **hydrological point of view, 2022;**
- The 2024 - can be considered as **normal to low water level.**



Monitoring – hydrological actions (2)

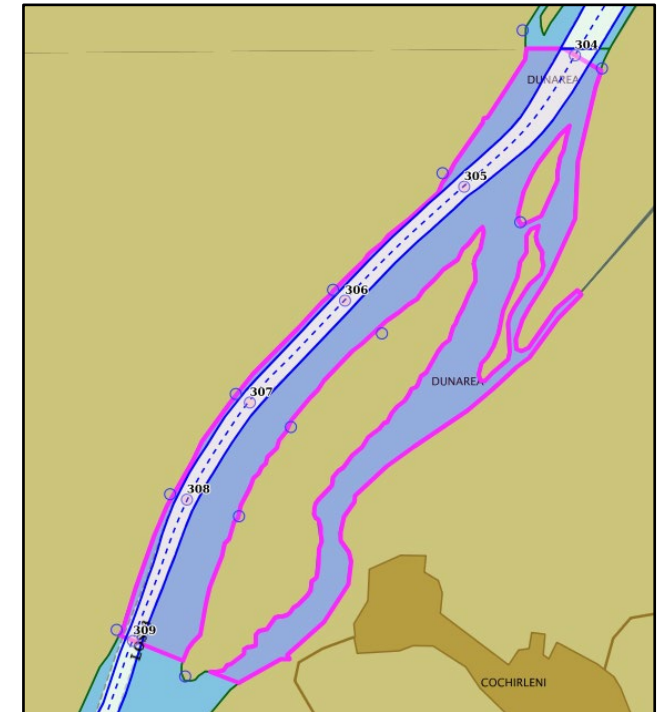
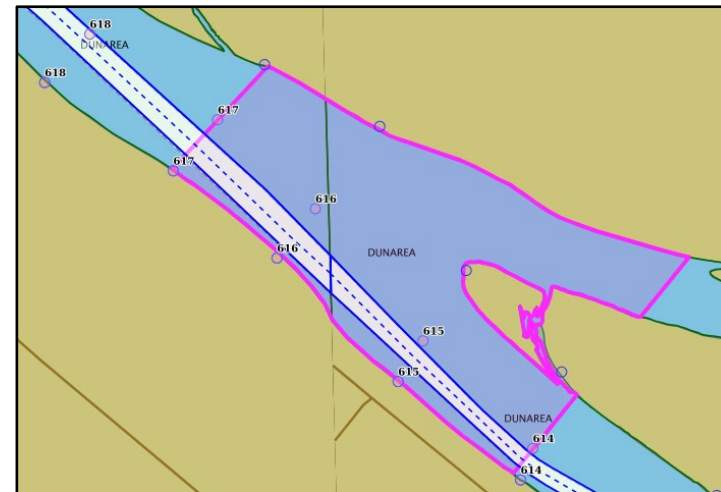
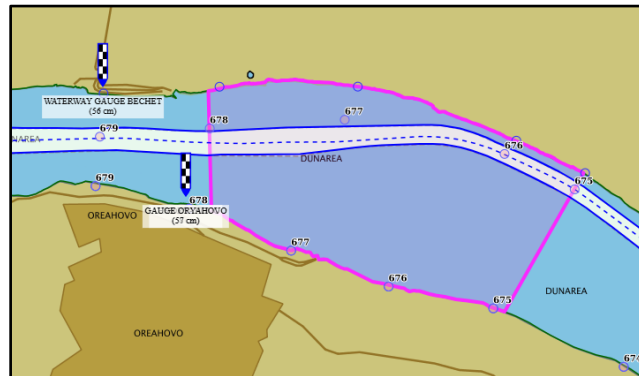
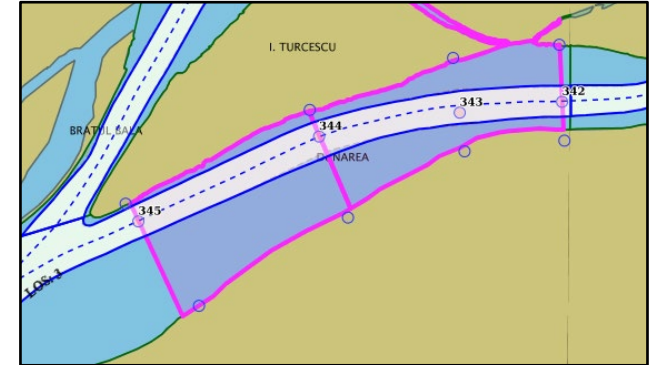
- **Low Navigable Water Level - LNWL;**
- The LNWL, is decreasing. Example
 - **Cernavoda, from – 42 (1971-2000) to – 71 cm (1991-2020); Dif. 29 cm**
 - **Corabia, from 44 (1971-2000) to – 10 cm (1991-2020); Dif. 54 cm**
 - **Calafat, from 57 (1971-2000) to – 5 cm (1991-2020). Dif. 62 cm**

Stațiuni hidrometrice	Distanța	Cota	Cota	Cota	Debit de	Debit de	Cota	Cota	Debit de	Debit de	Cota	Cota	Debit de	Debit de
	față de	"0"	la ENR	la HNN	apă la ENI	pă la HNI	la ENR	la HNN	apă la ENI	pă la HNI	la ENR	la HNN	apă la ENI	pă la HNI
	Sulina	absolut	1991 - 2020				1981 - 2010				1971 - 2000			
	km	m	cm		m ³ /s		cm		m ³ /s		cm		m ³ /s	
Calafat	795,00	26.683 MN	-5	657	2581	11720	27	686			57	671		
Corabia	630,00	20.123 MN	-10	612	2640	12001	18	640	2731	12301	44	632	2908	11839
Giurgiu	493,00	13.06 MN	-25	643	2841	12560	-17	658	2921	12700	6	637	3085	12015
Oltenița	430,00	10.01MN	19	666	2881	12450	28	683	2930	12891	48	631	3104	12026
Călărași	370,00	7.306 MN	-32	608			-15	622			1	585	3143	12151
Cernavoda	300,00	4.866 MN	-71	612	652	5270	-65	623	740	7610	-42	595	990	7822
Hârșova	252,00	3.08 MN	17	653			21	666			35	633		



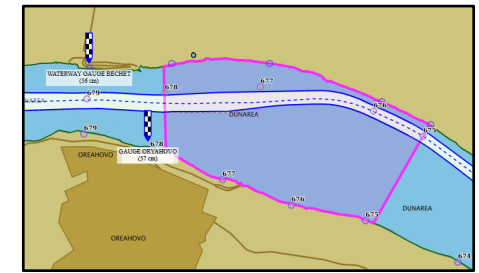
Monitoring – hydrographical actions (1)

- The main critical sectors, within 2024:
 - **Bechet**, from rkm 675 to rkm 678;
 - **Calnovat upstream**, from rkm 614 to rkm 617;
 - **Caragheorghe – Turcescu**, from rkm 342 to rkm 345;
 - **Cochirleni**, from rkm 304 to rkm 309.

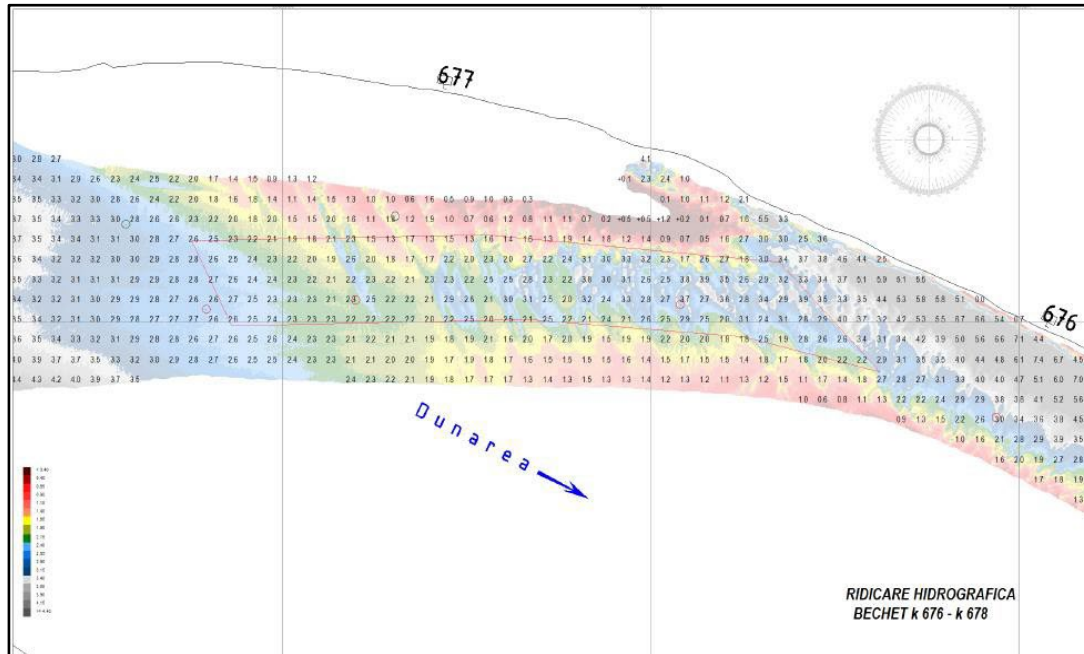


Monitoring – hydrographical actions (2)

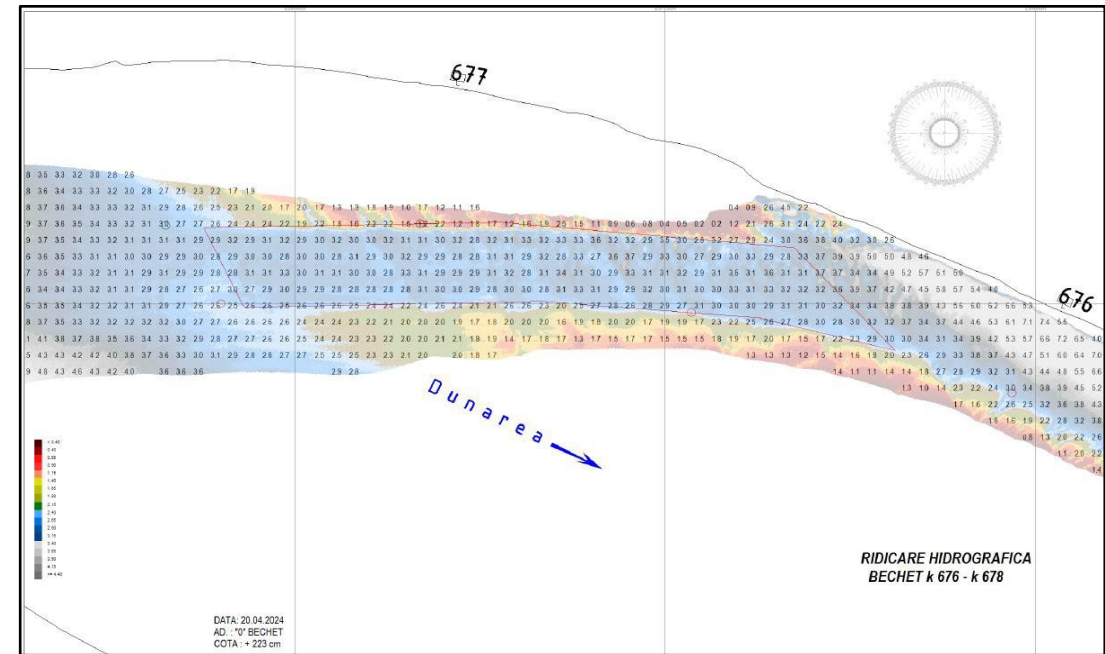
- **Bechet**, from rkm 675 to rkm 678;



Bechet before dredging



Bechet after dredging

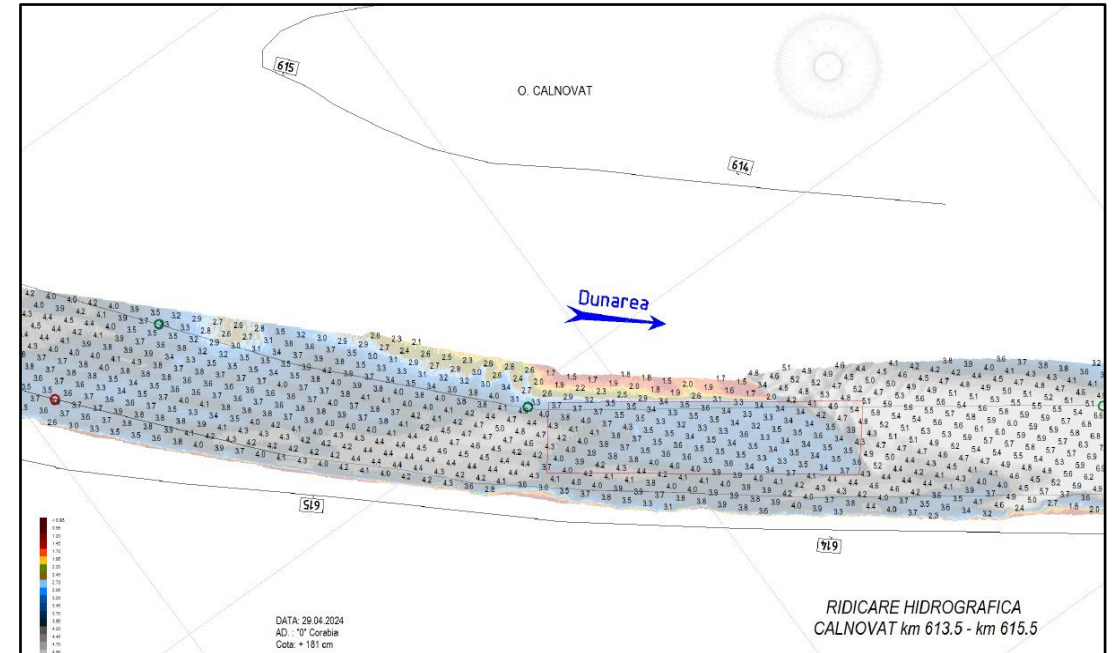
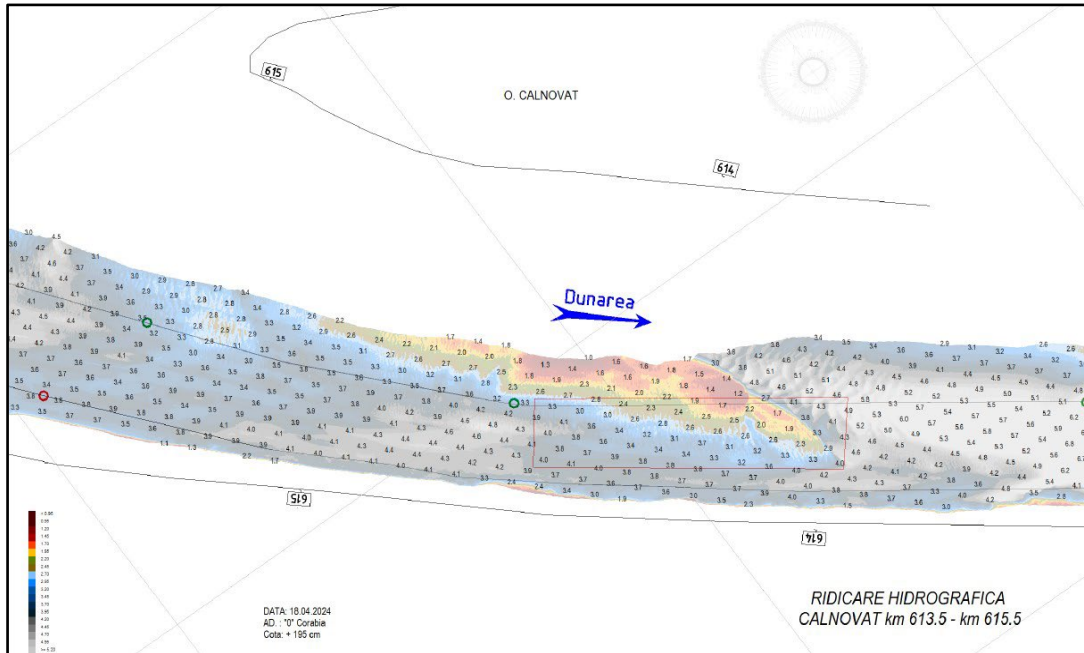
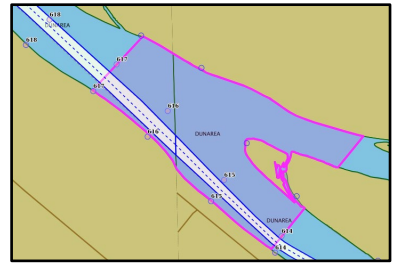


- **Bechet** (rkm 676.0 – rkm 678.0) :
 - Dredged volume: **156 289 m³**
 - Period: 02 - 19.04.2024 / 14 – 20.08.2024

Monitoring – hydrographical actions (3)

- **Calnovat upstream, from rkm 614 to rkm 617;**
Calnovat upstream before dredging

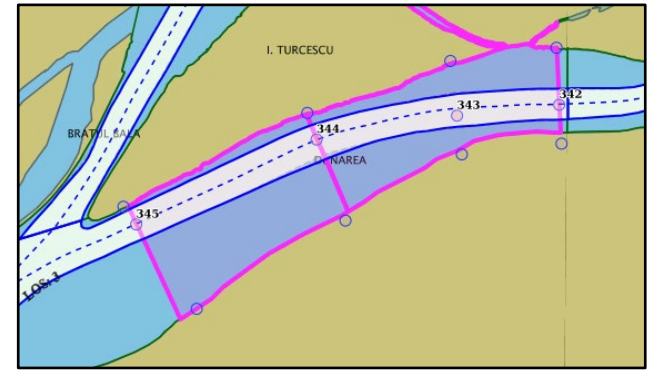
- Calnovat upstream after dredging



- **Calnovat upstream (rkm 613.5 – rkm 615.3) :**
 - Dredged volume: **48 421 m³**
 - Period: 22 – 27.04.2024

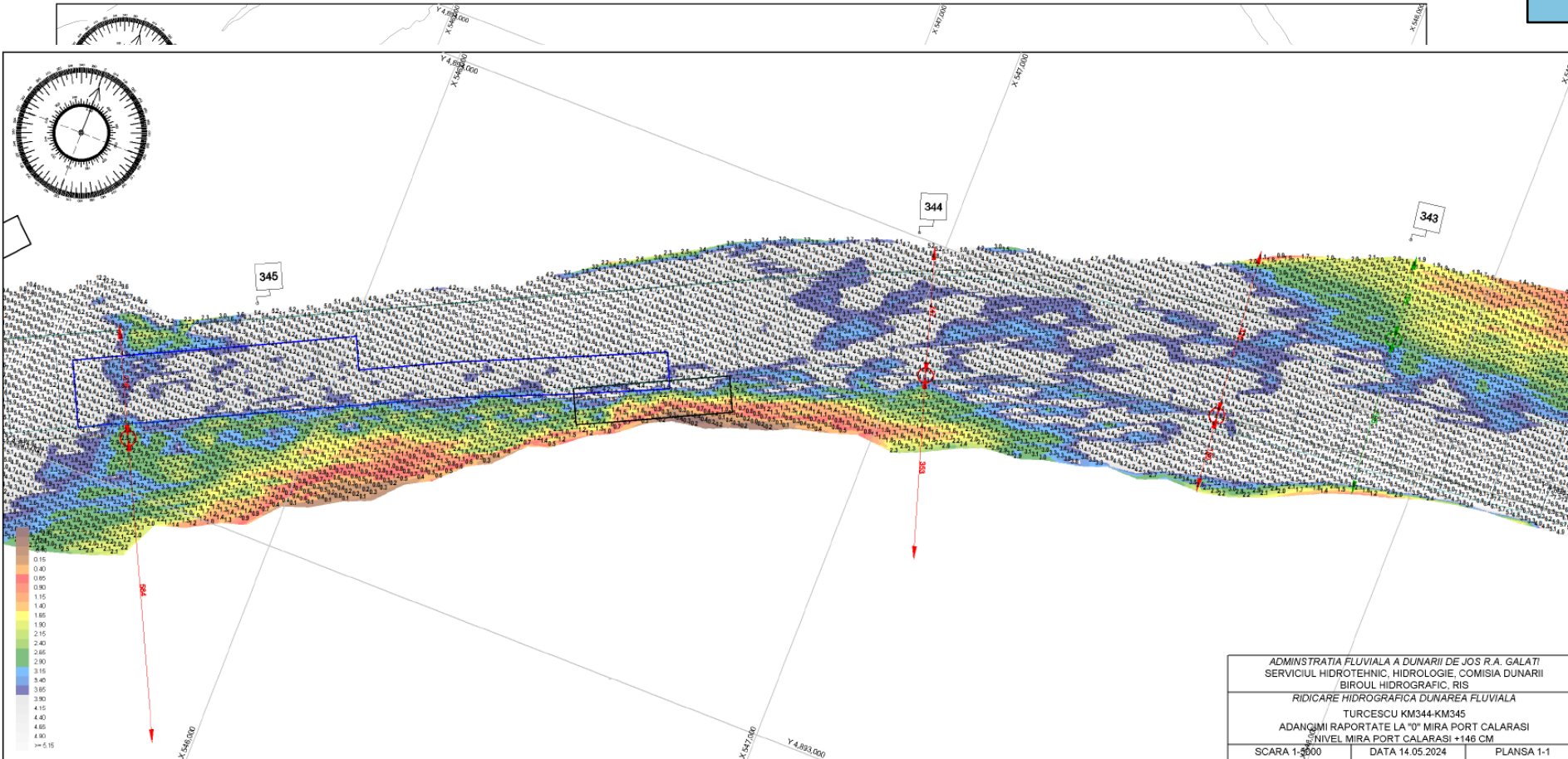
Monitoring – hydrographical actions (4)

- Caragheorghe – Turcescu, from rkm 342 to rkm 345;



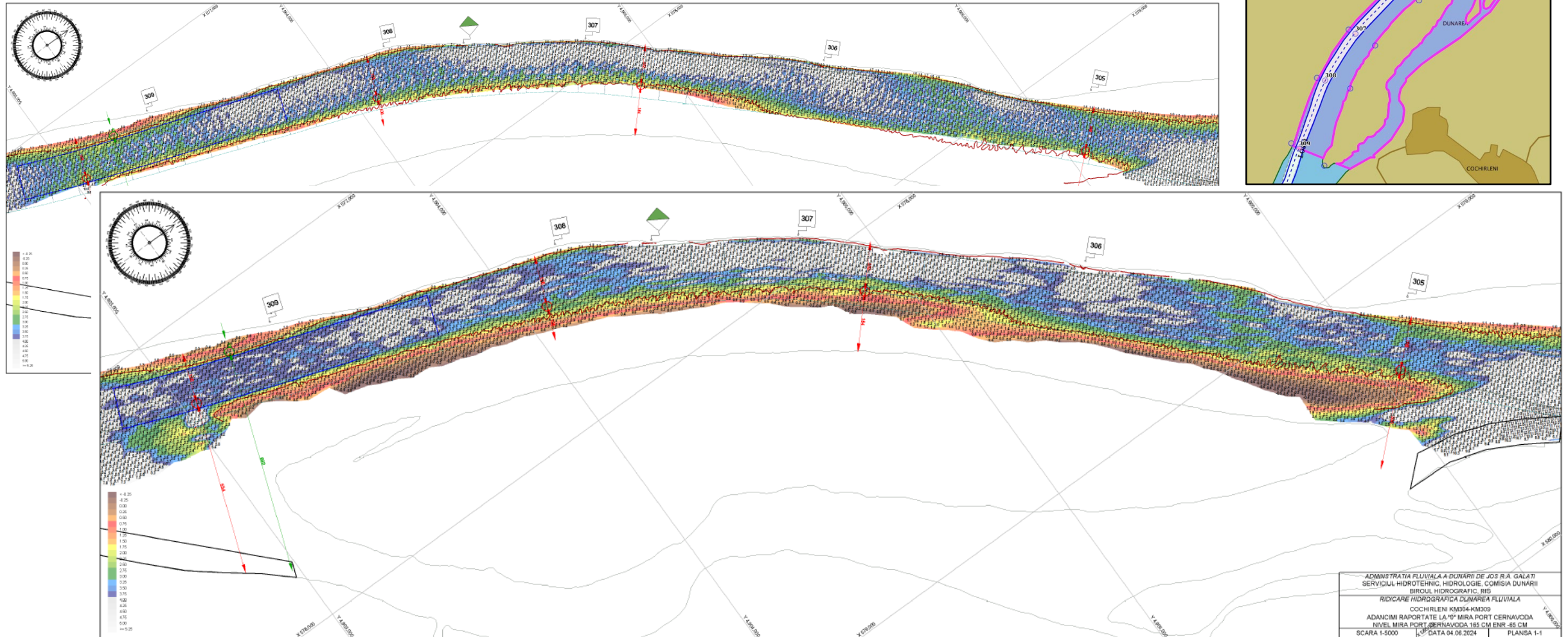
- 2 Interventions

24.04 – 30.08 – 53 439 cm;



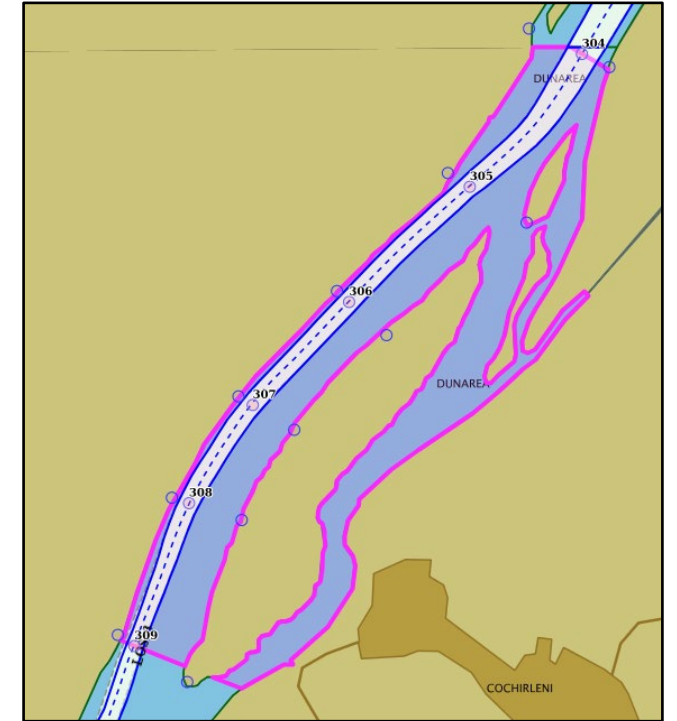
Monitoring – hydrographical actions (5)

- **Cochirleni**, from rkm 304 to rkm 309.



Monitoring – hydrographical actions (6)

- **Cochirleni**, from rkm 304 to rkm 309.
- 2 interventions – framework contract
 - **10.05 – 04.06 – 53 104 cm;**
 - **09.10 – 23.10 – 60 107 cm;**
- 1 intervention – AFDJ dredge
 - **01.08 – 11.09 – 18 527 cm.**



Dredging activities - 2024



Dredging activities - 2024

The dredging works:

- AFDJ dredgers;
 - Comana, Calafat, Cernavoda – River Danube;
 - Danube Dredger – Maritime Danube;
- framework contract – Rapide Dredger



Dredging activities - 2024

The dredging works results within 2024, AFDJ dredge Maritime Danube.

DUNAREA MARITIMA

	PLANIFICAT 2024 (MC)	REALIZAT			RAMAS (MC)
		Bara Sulina	Hm 82 - Hm 87	14021	
		Tulcea amonte	Mm 40 - Mm 41	0	
Bara Sulina-KM175	800000	Isaccea	Mm56-Mm58	0	413959
		Reni	Mm61-Mm63	0	
		Prut amonte	Mm73-Mm74	205913	
		Siret aval	Km153-Km155	166107	
		TOTAL		386041	

The dredging works results within 2024, AFDJ dredge for River Danube.

AFDJ dredge for River Danube = 55.000 cm

Dredging activities - 2024

The dredging works results within 2024 by framework contract

DUNAREA FLUVIALA

	PLANIFICAT 2024 (MC)	REALIZAT			RAMAS (MC)
KM175-KM300	337356	Giurgeni	Km 242 - Km 246	35049	20094
		Harsova	Km 249 - Km 253	49376	
		Dunarea Veche	Km 189 - Km 192.5	61381	
		Capidava	Km 279 - Km 281.5	81973	
		Albanesti	Km 269 - Km 273	18849	
		Seimeni	Km 288 - Km 294	70634	
		TOTAL		317262	

	PLANIFICAT 2024 (MC)	REALIZAT			RAMAS (MC)
KM300-KM375	210000	Caragheorghe	Km 342 - Km 345+1/2	53439	0
		Cochirleni	Km 304 - Km 310	113104	
		Fermecatu	Km 321+500 - Km 323+	43457	
		TOTAL		210000	

	PLANIFICAT 2024 (MC)	REALIZAT			RAMAS (MC)
KM610-KM845	338294	Bogdan Secean	Km 783 - Km 785	15465	0
		Corabia	Km 626 - Km 632	30695	
		Bechet	Km 675 - Km 678	150172	
		Salcia	Km 818 - Km 820	49701	
		Calnovat	Km 613 - Km 616	92261	
		TOTAL		338294	

Publication results - 2024

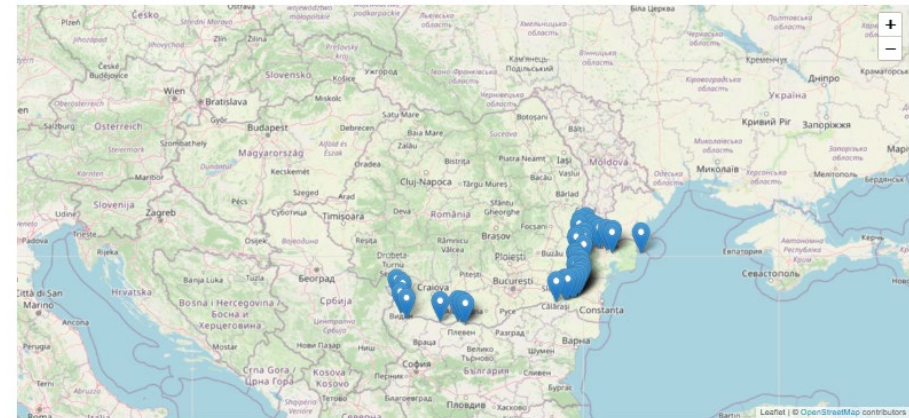
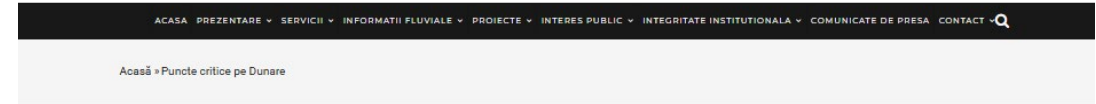


R.A. Administrația Fluvială a Dunării de Jos Galați

All information available on AFDJ website (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	Schita Garla Mare
Salcia	22/02/2025	823,00	820,00	Schita Salcia
Bogdan Secian	21/02/2025	785,00	783,00	Schita Bogdan Secian
Ostrov Dobrina	20/02/2025	764,00	762,00	Schita Ostrov Dobrina
Papadia-Bechet	28/02/2025	678,00	675,00	Schita Papadia-Bechet
Corabia	18/01/2025	633,00	626,00	Schita Corabia



Thank you!

Galati Lower Danube River Administration, ROMANIA

AFDJ Galati team

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