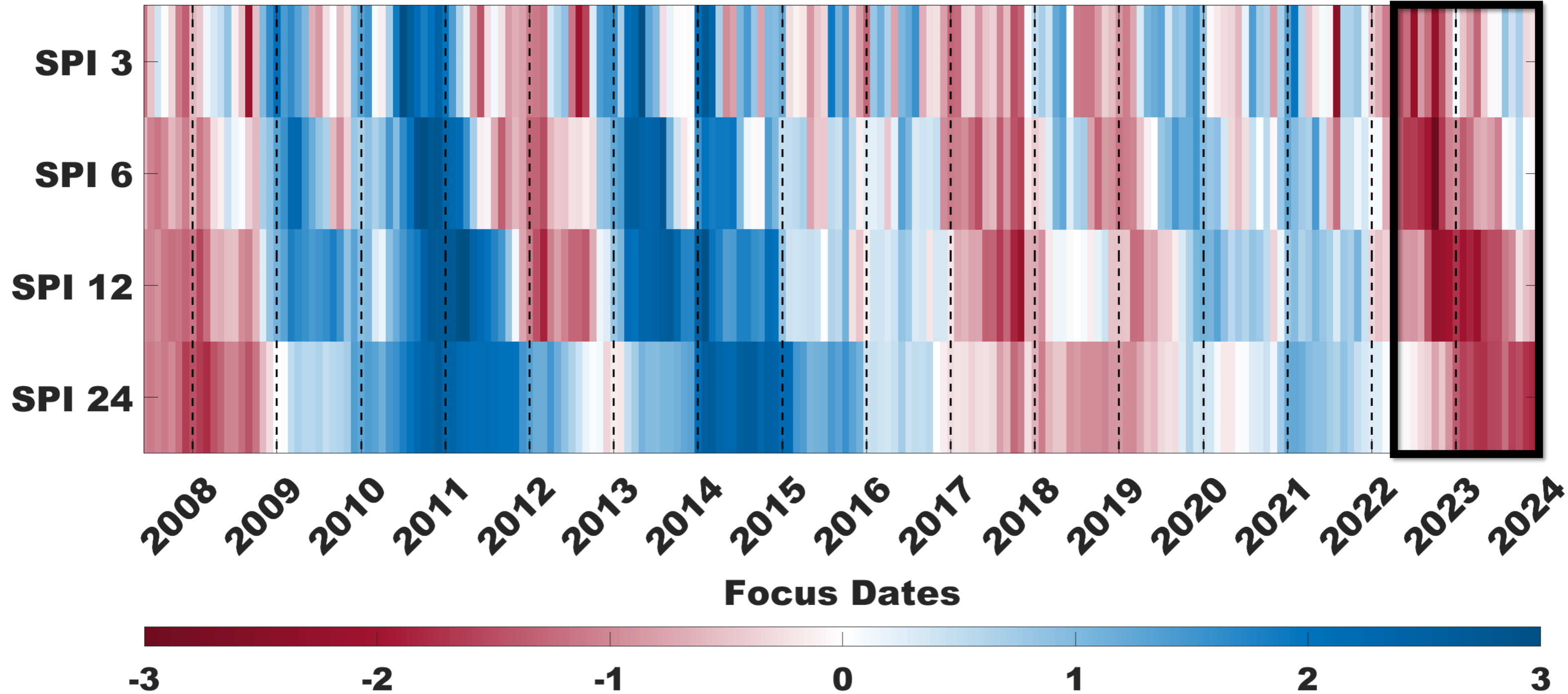
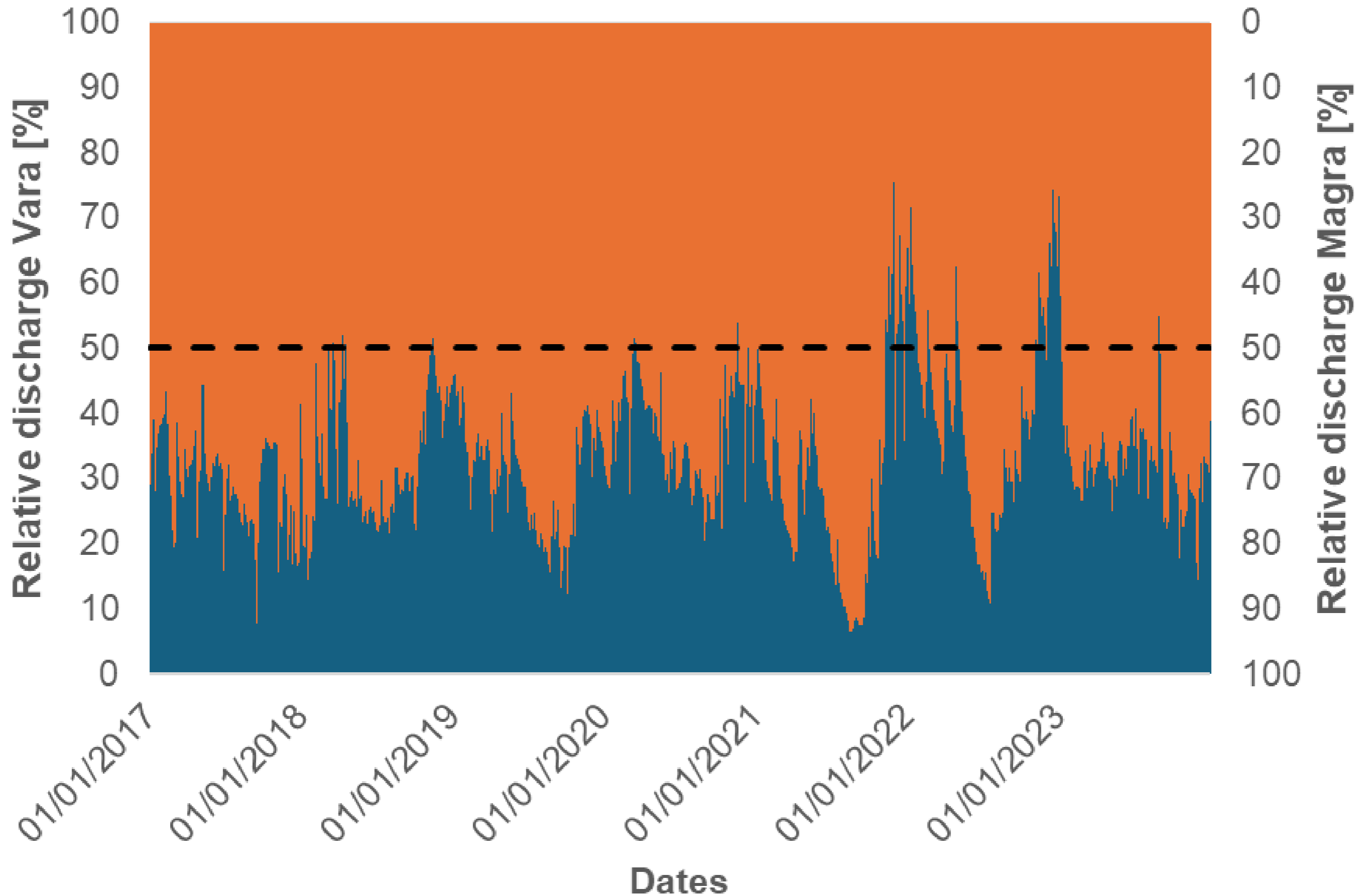


MONTHLY SPI INDEX - SARZANA (1932-2024)

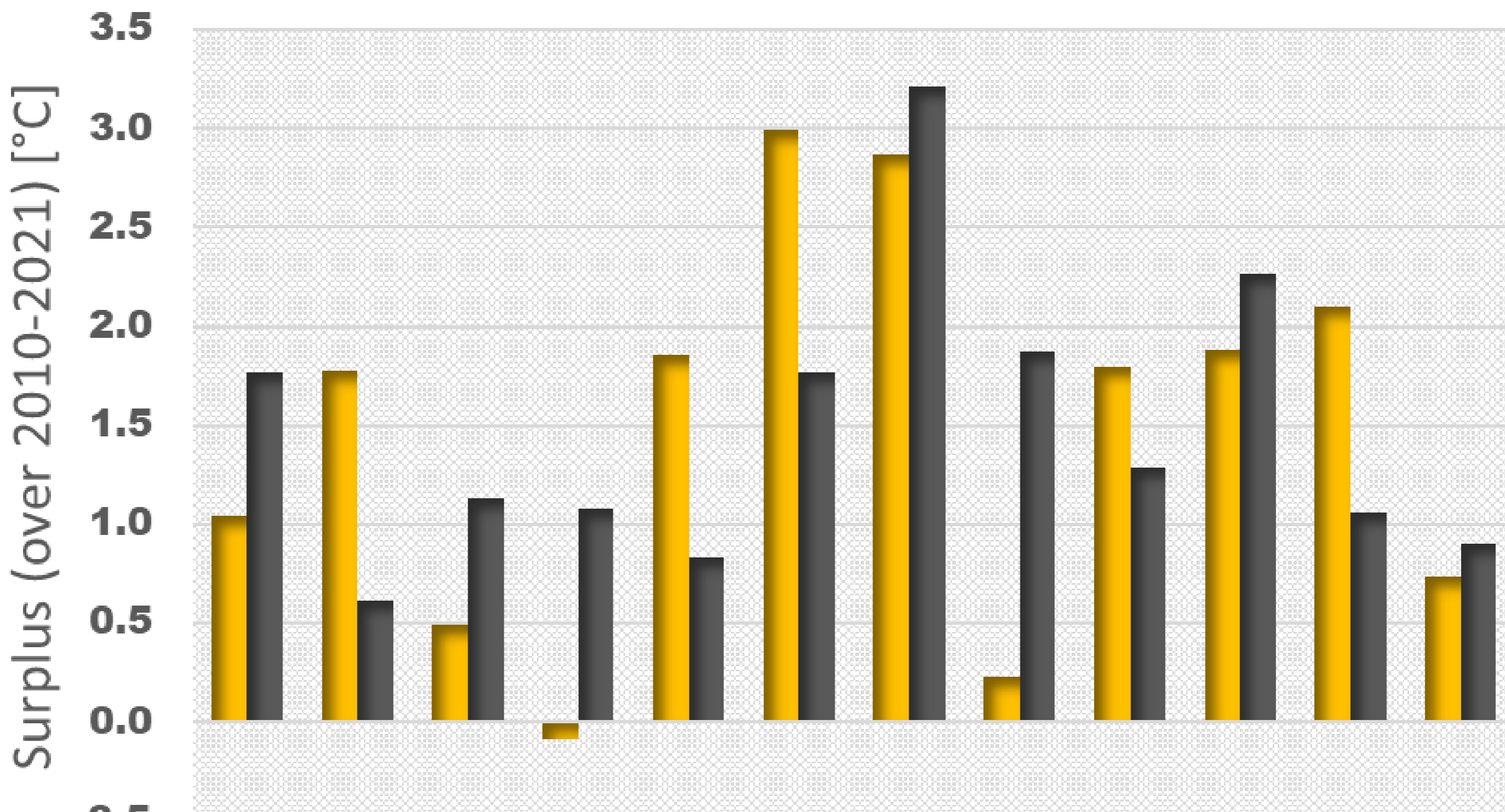


Magra-Vara discharge ratio

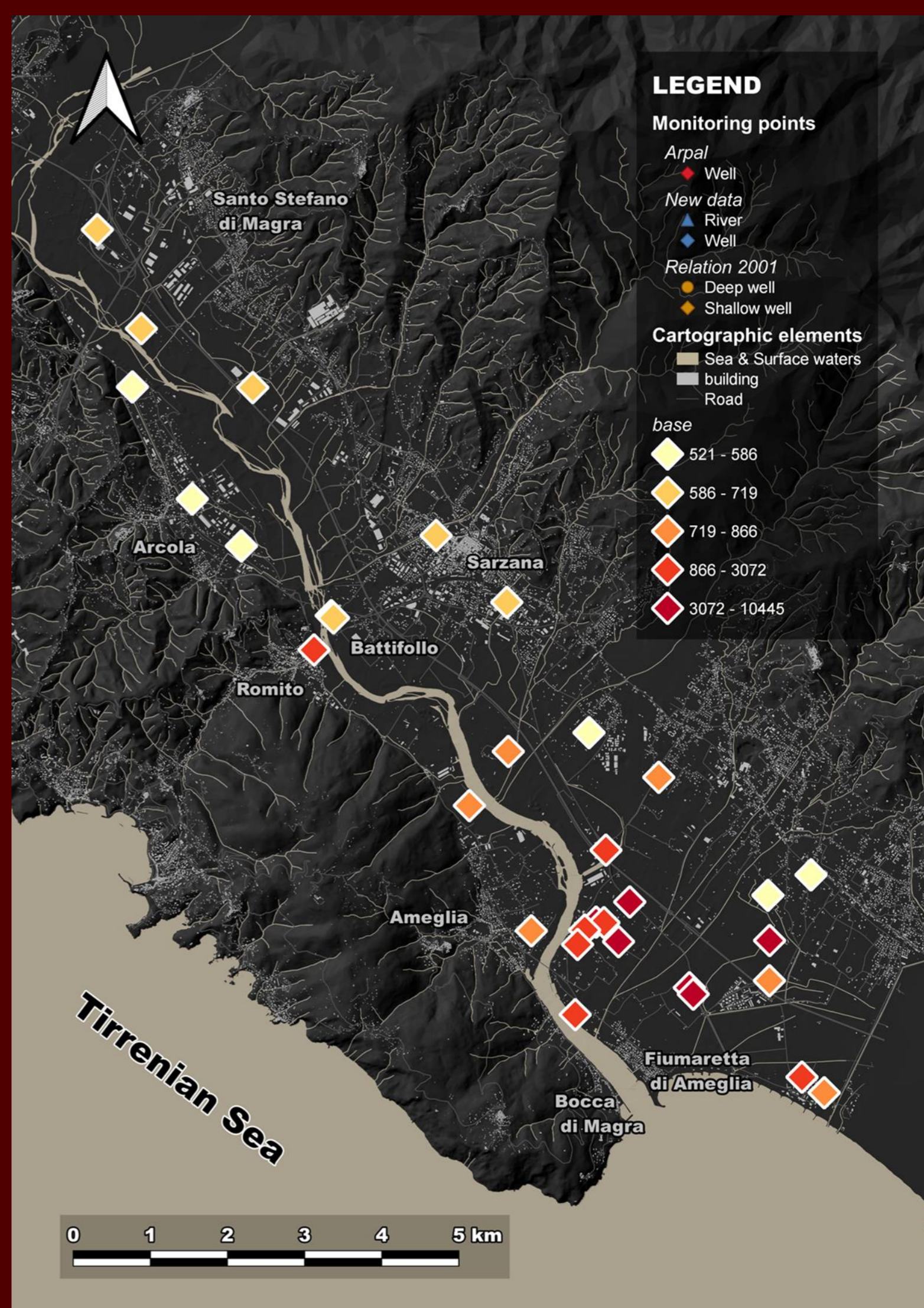
■ VARA (Battolla station) ■ MAGRA (Calamazza station)

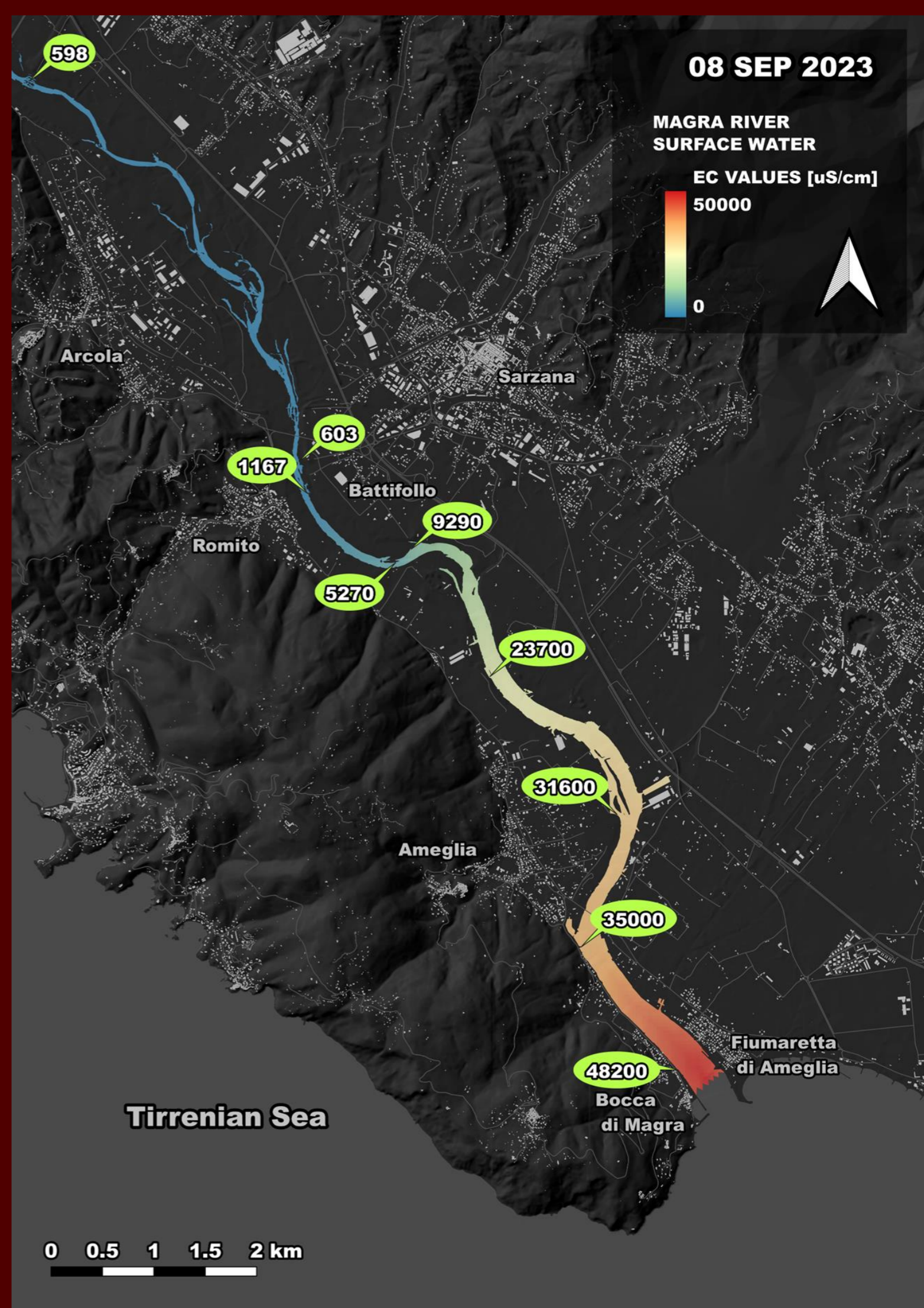
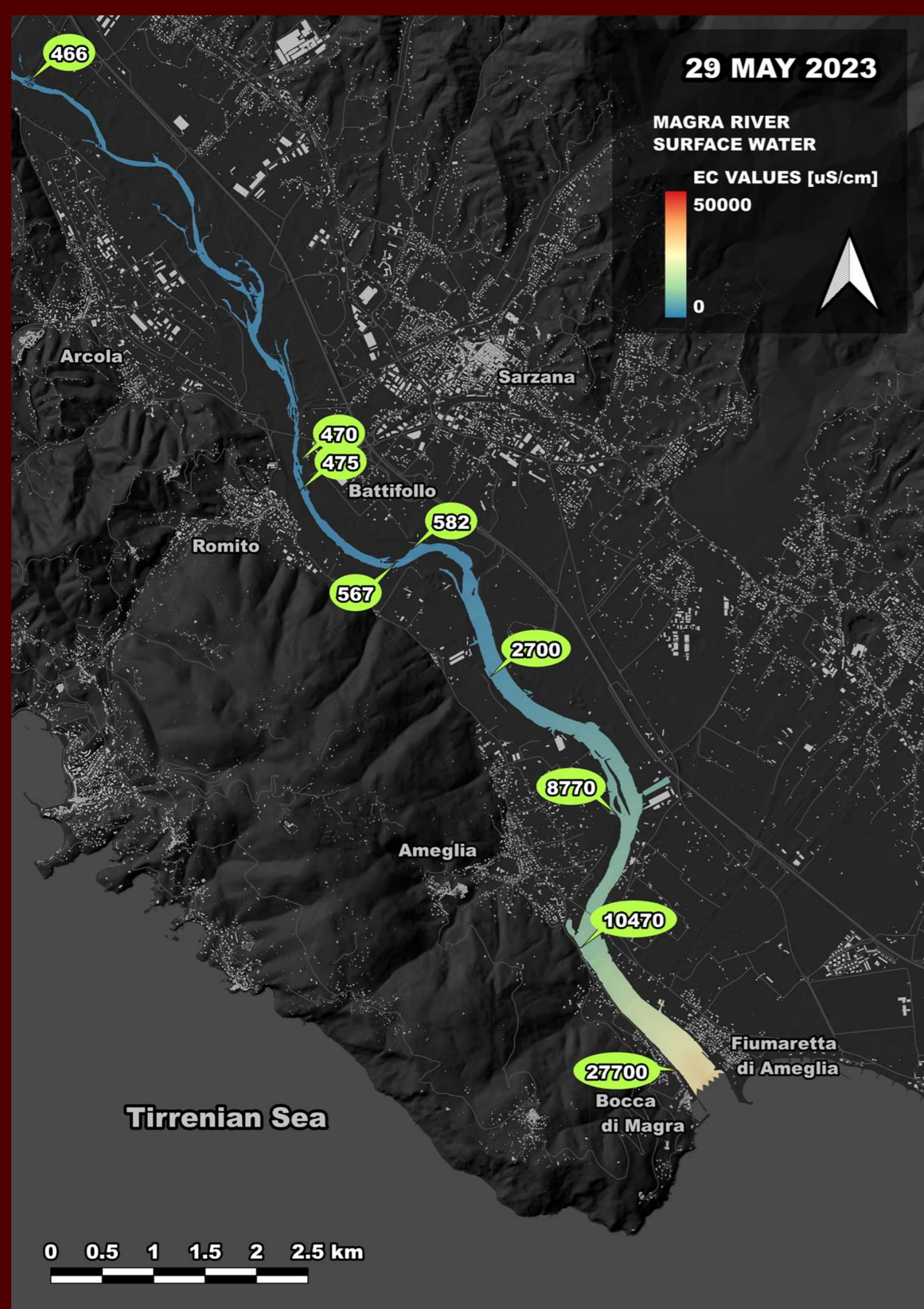


Monthly average temperatures surplus of sea surface water (Gulf of La Spezia)



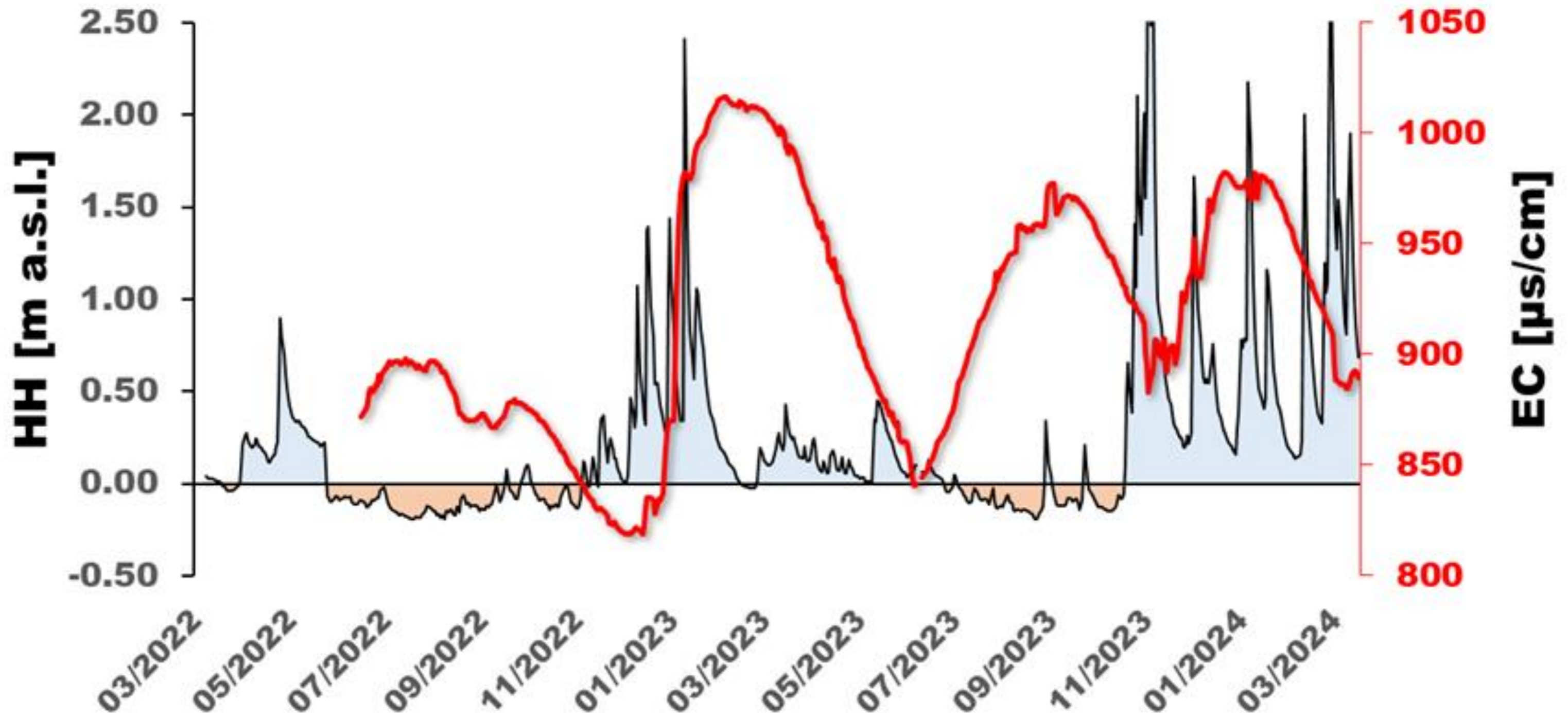
	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV	DIC
■ 2022	1.0	1.8	0.5	-0.1	1.9	3.0	2.9	0.2	1.8	1.9	2.1	0.7
■ 2023	1.8	0.6	1.1	1.1	0.8	1.8	3.2	1.9	1.3	2.3	1.1	0.9



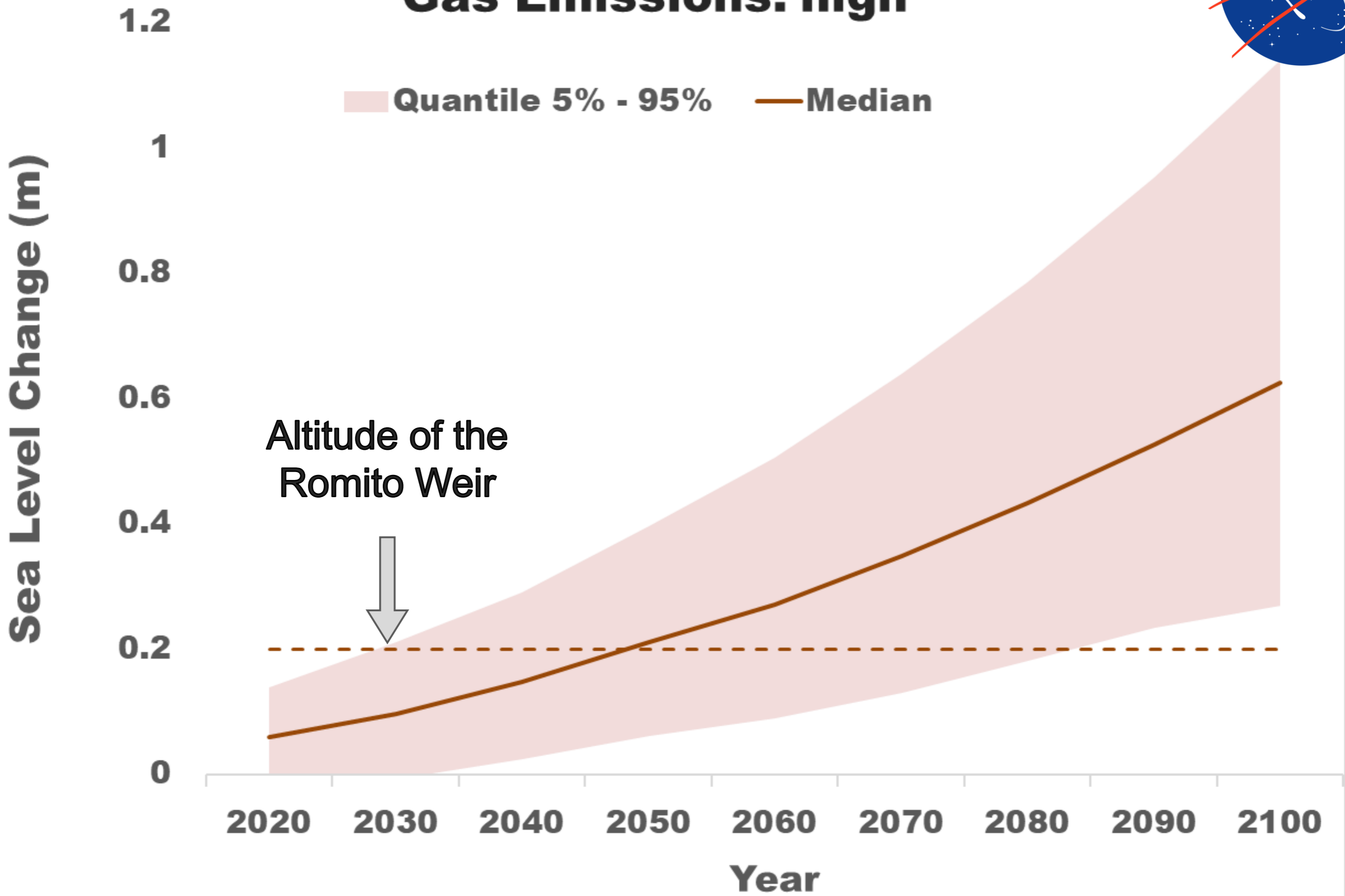
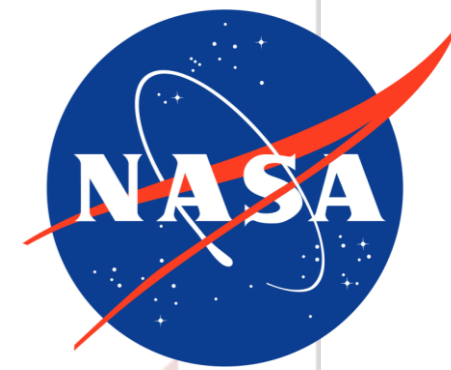


Romito - Well C09

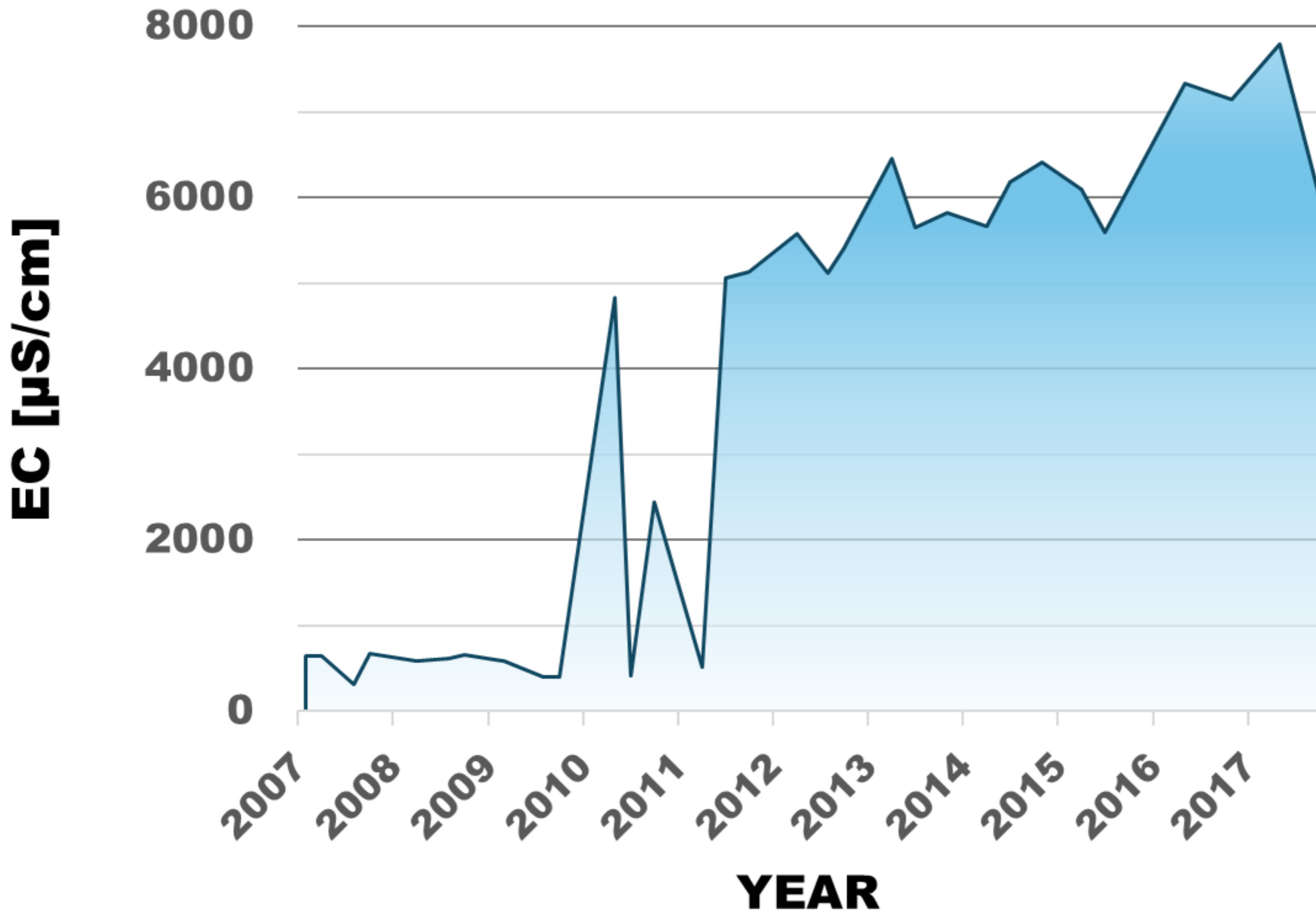
— Hydraulic Head [m a.s.l.] — Electrical Conductivity [$\mu\text{s}/\text{cm}$]



Scenario SSP3-7.0 - Future Greenhouse Gas Emissions: high



PZ17 _ EC dataset (2007-2017)



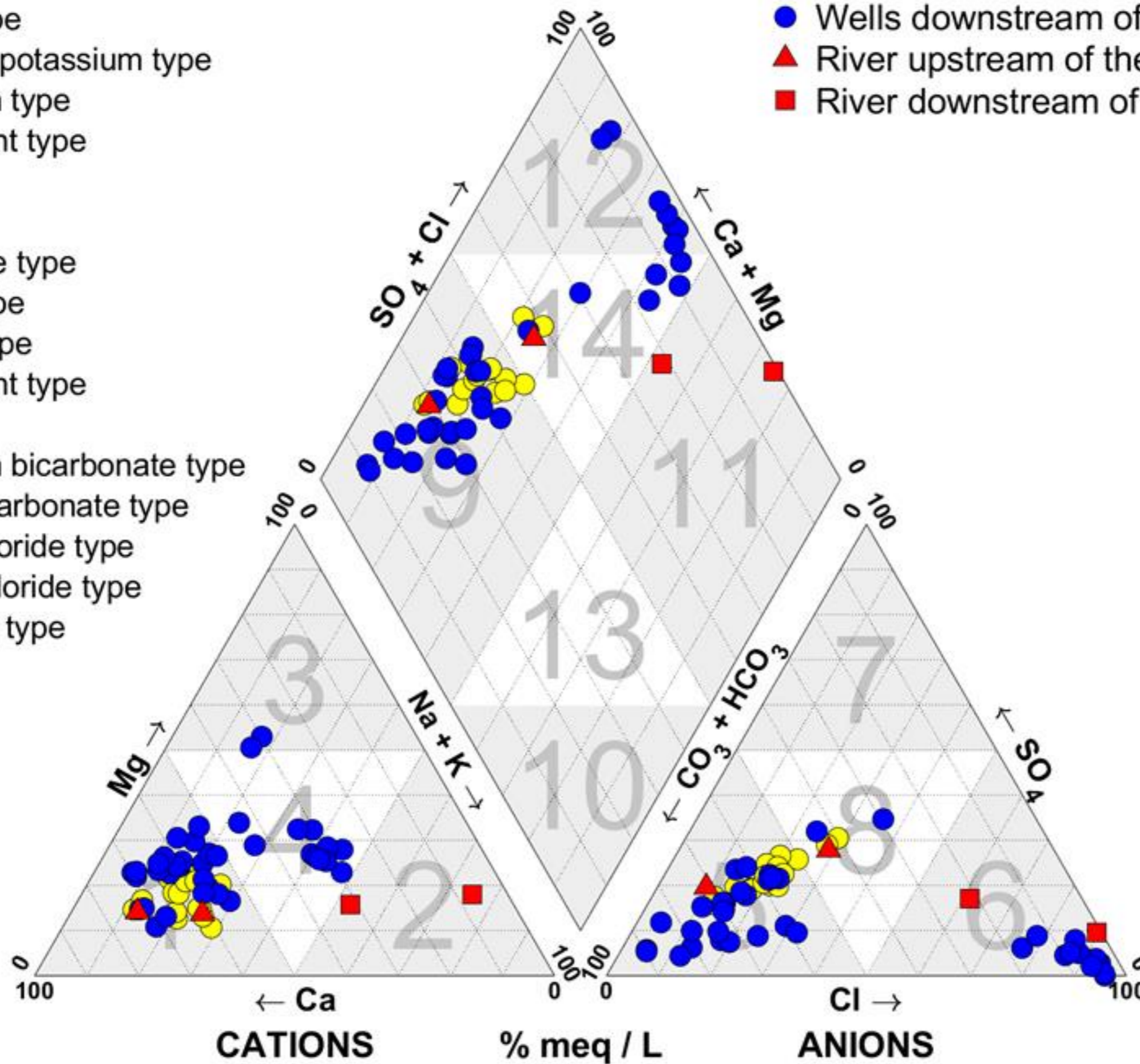
CATIONS

- 01 - Calcium type
- 02 - Sodium ad potassium type
- 03 - Magnesium type
- 04 - No dominant type

ANIONS

- 05 - Bicarbonate type
- 06 - Chloride type
- 07 - Sulphate type
- 08 - No dominant type
- 09 - Magnesium bicarbonate type
- 10 - Sodium bicarbonate type
- 11 - Sodium chloride type
- 12 - Calcium chloride type
- 13 & 14 - Mixed type

- Wells upstream of the weir (1-9)
- Wells downstream of the weir (10-30)
- ▲ River upstream of the weir (C10)
- River downstream of the weir (C07 & C03)



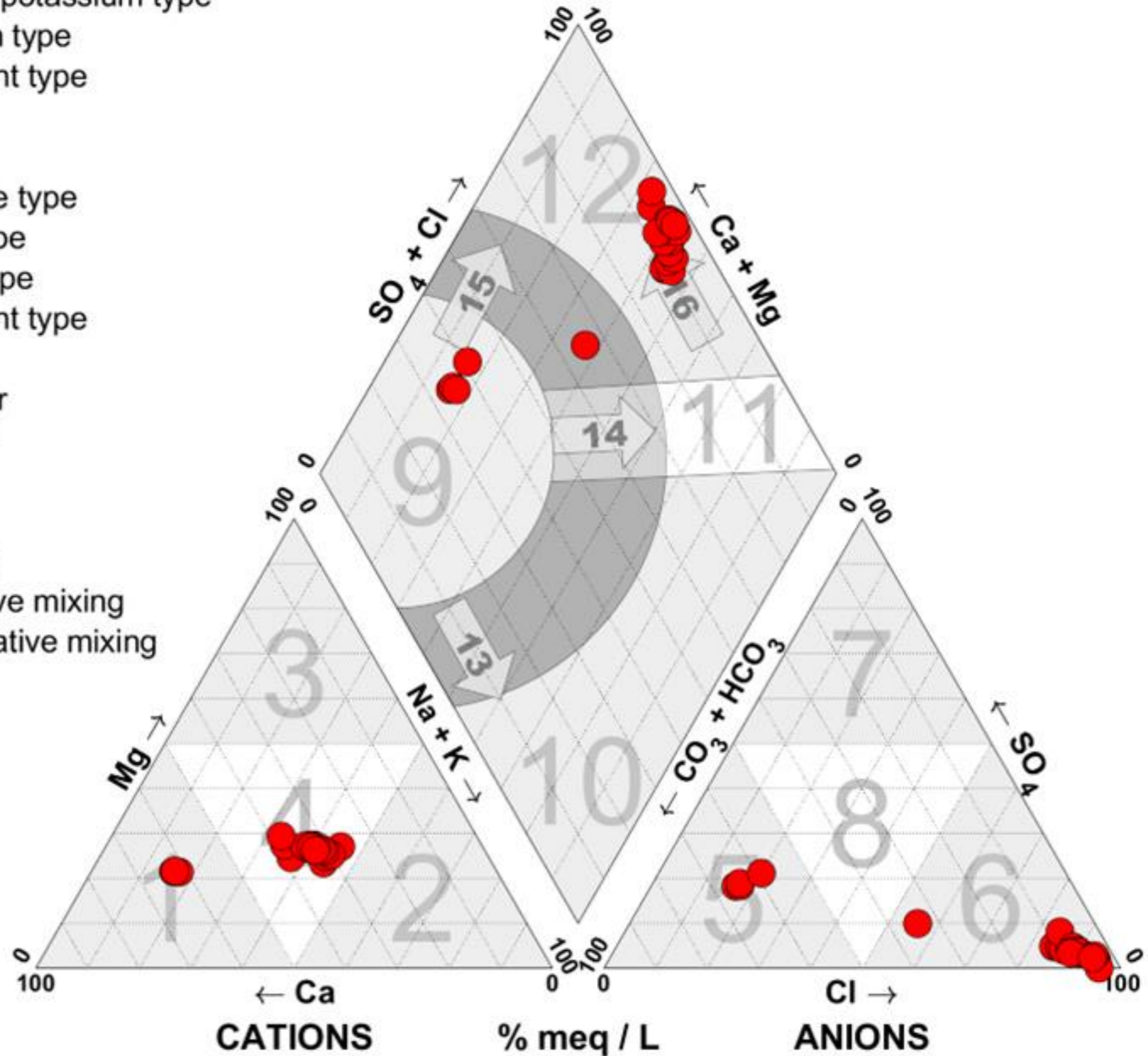
CATIONS

- 01 - Calcium type
- 02 - Sodium ad potassium type
- 03 - Magnesium type
- 04 - No dominant type

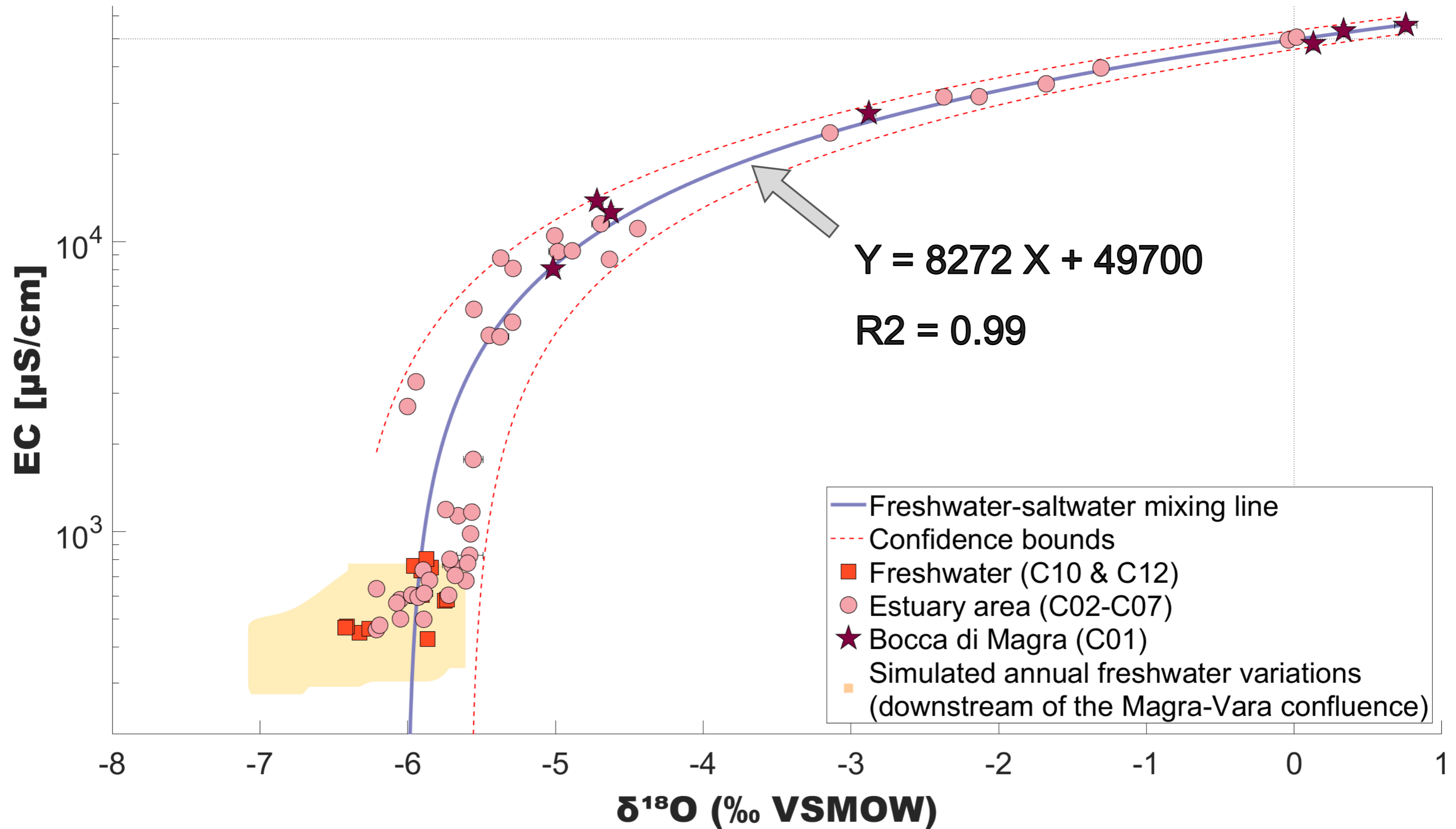
ANIONS

- 05 - Bicarbonate type
- 06 - Chloride type
- 07 - Sulphate type
- 08 - No dominant type

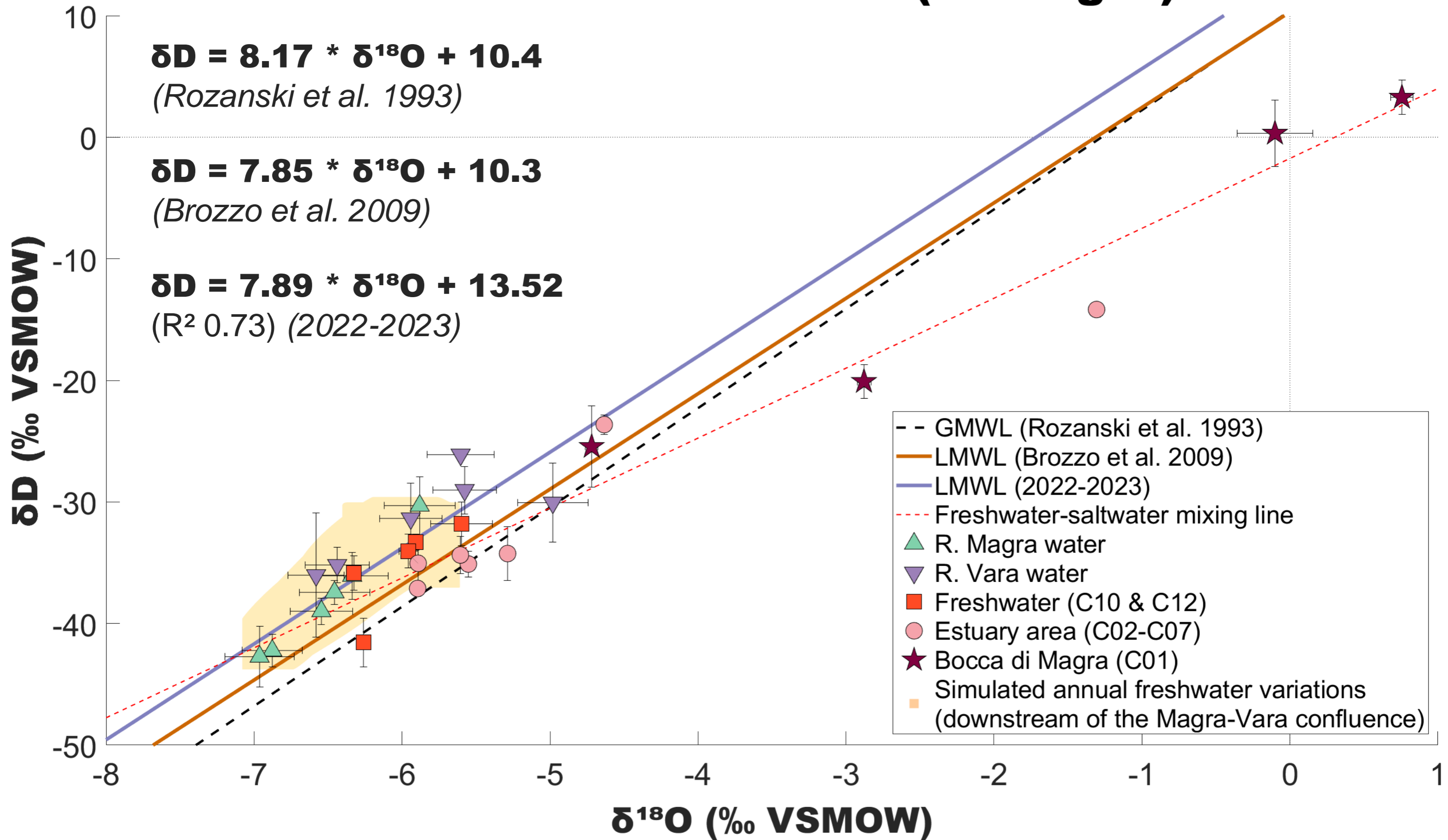
- 09 - Fresh water
- 10 - Rain water
- 11 - Sea water
- 12 - Intrusion
- 13 - Freshening
- 14 - Conservative mixing
- 15 - Unconservative mixing
- 16 - Intrusion



Correlation EC - $\delta^{18}\text{O}$ (R. Magra)



Correlation $\delta D - \delta^{18}O$ (R. Magra)



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