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M2 “ OSPAR ” in a maximum visual accumulation of plastic debris in the Seine estuary National Nature Reserve

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► **To cite this version:**

Laurent Colasse, Romain Tramoy, Johnny Gasperi, Bruno Tassin. M2 “ OSPAR ” in a maximum visual accumulation of plastic debris in the Seine estuary National Nature Reserve. MICRO 2020, Fate and Impact of Microplastics : Knowledge and Responsibilities, Nov 2020, Lanzarote, Spain. MICRO 2020, Fate and Impact of Microplastics : Knowledge and Responsibilities, 2020. <hal-02974490>

HAL Id: hal-02974490

<https://enpc.hal.science/hal-02974490v1>

Submitted on 6 May 2021

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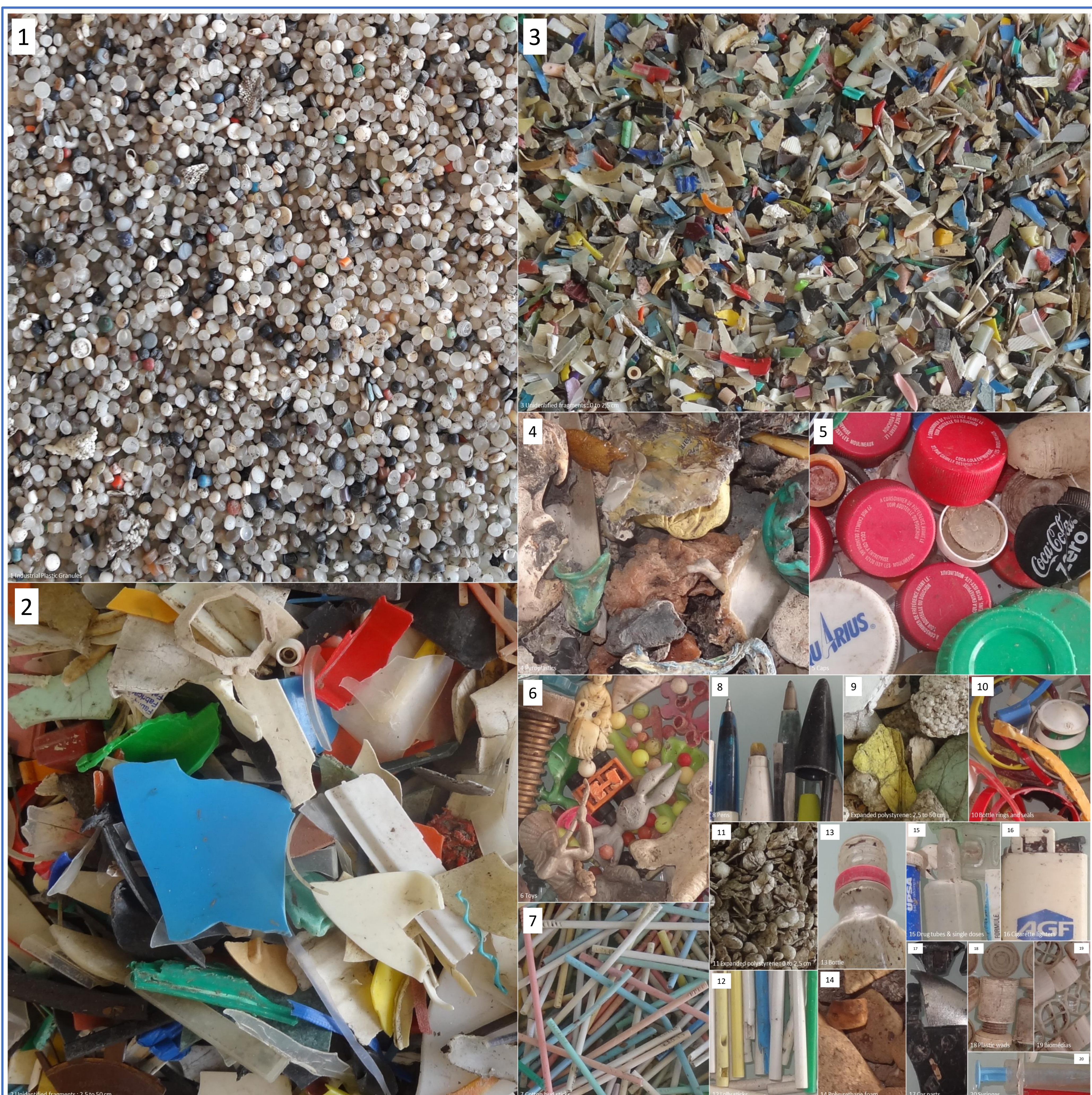
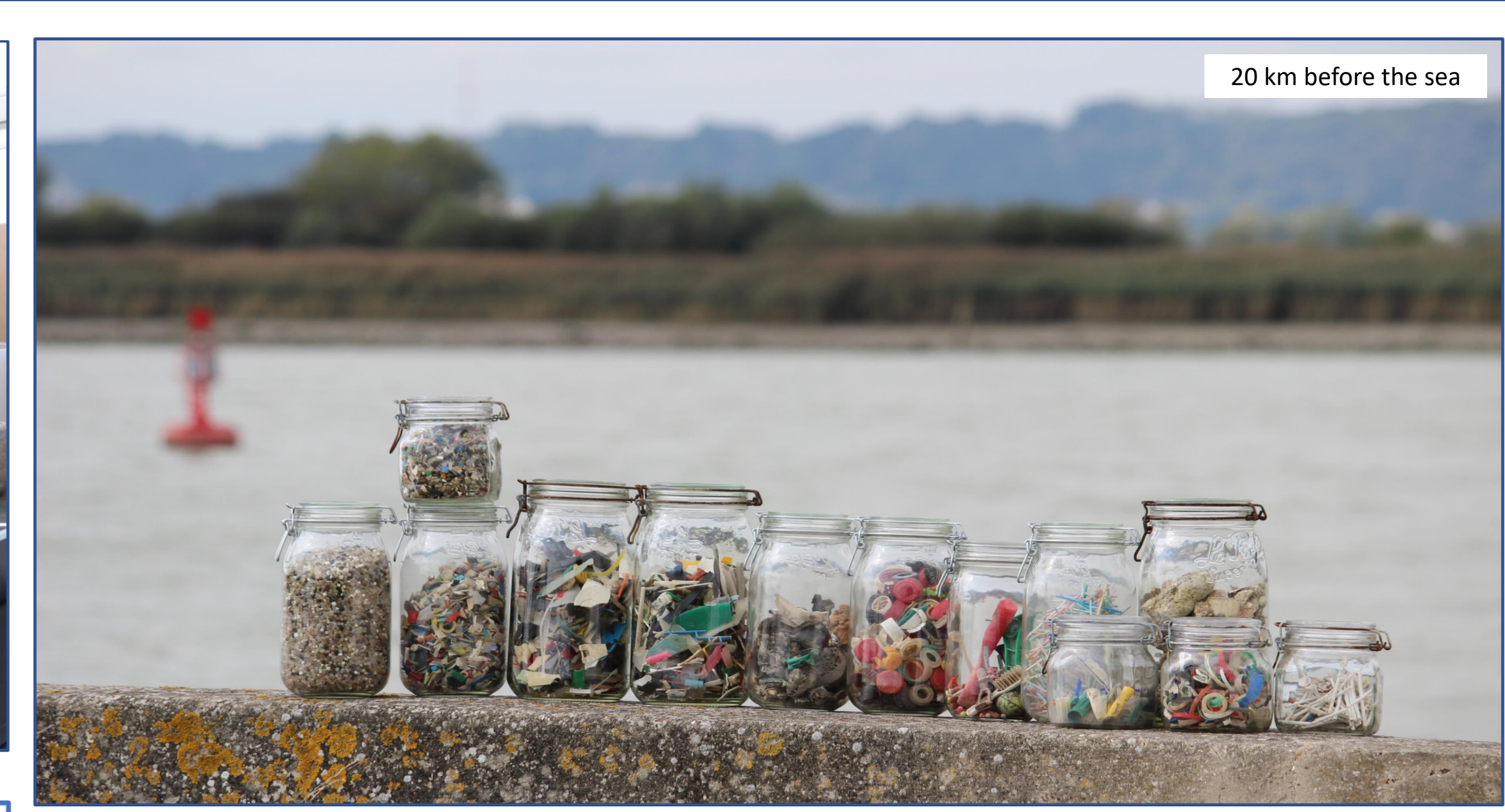
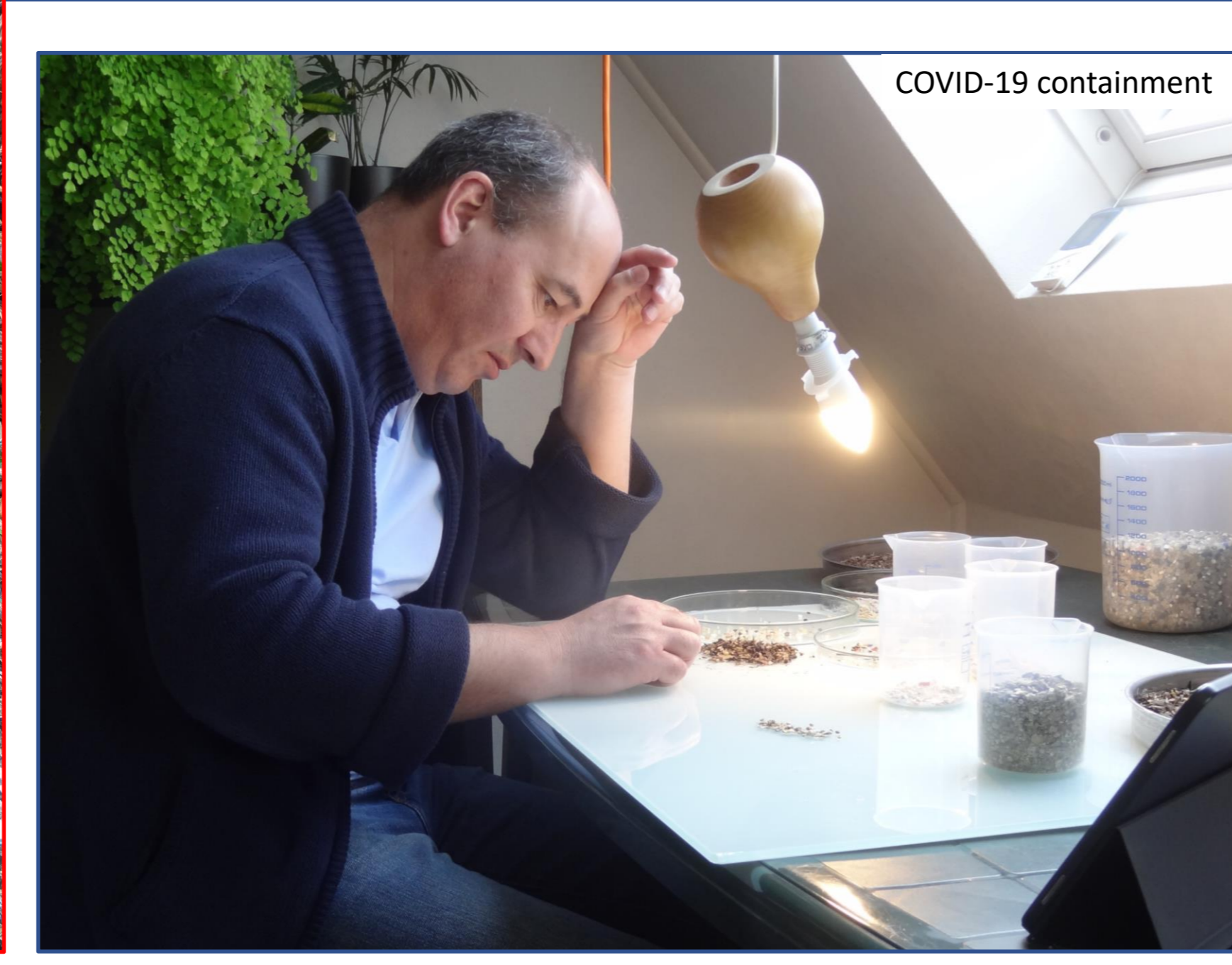
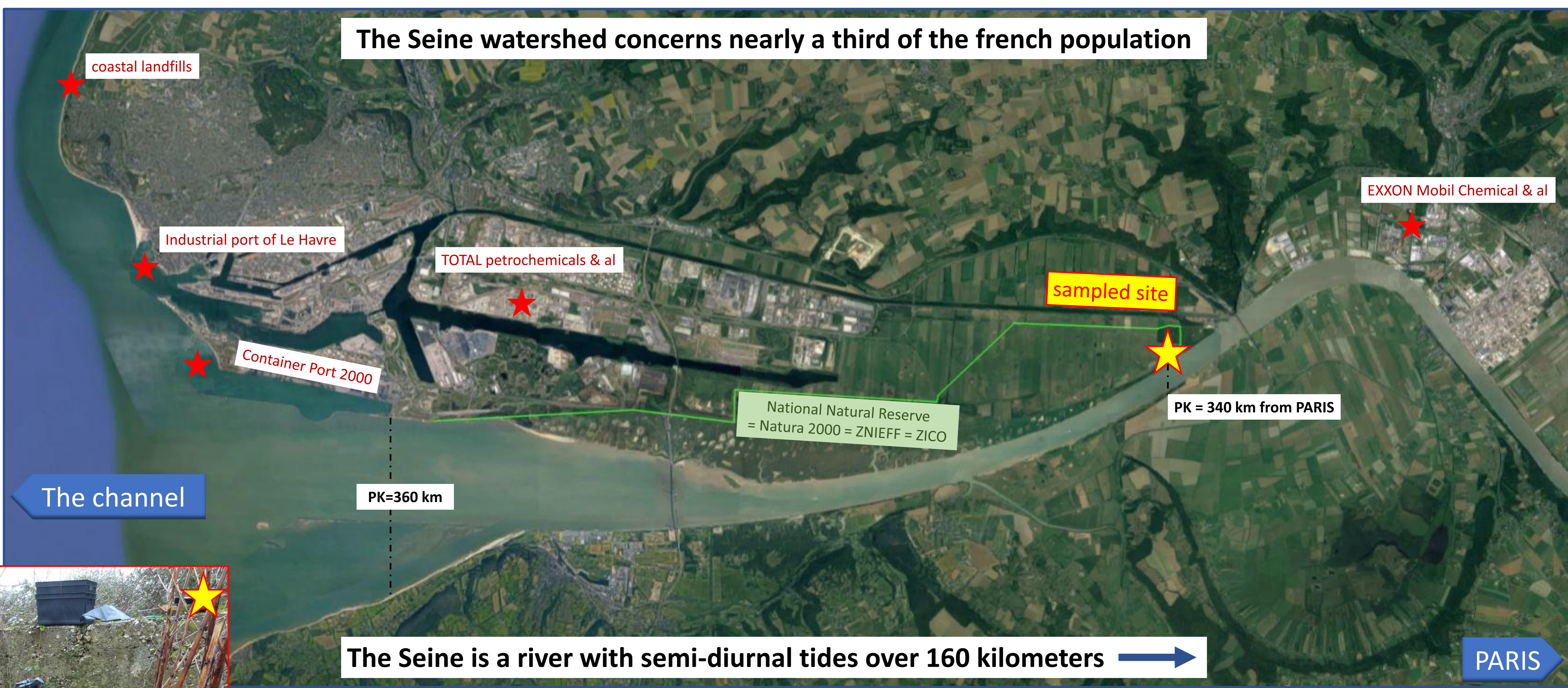
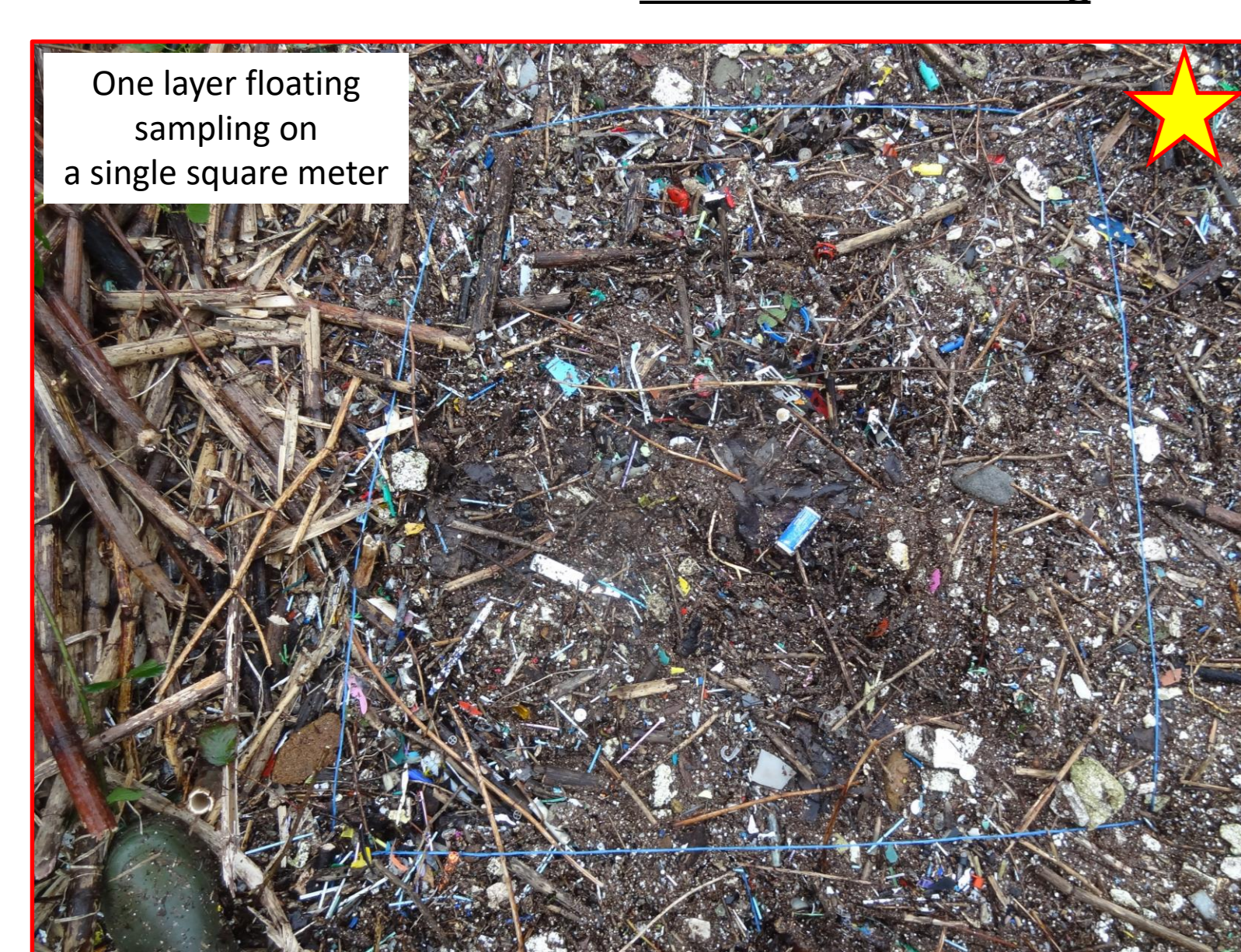


HAL Authorization

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Reserve Naturelle ESTUAIRE DE LA SEINE
 Direction régionale de l'Environnement, de l'Aménagement et du Logement de NORMANDIE
 Mission estuaire de la Seine
 PRÉFET DE LA SEINE MARITIME

Authorized by the Prefecture (regional environment department), with the agreement and under the control of the "Maison de l'Estuaire" maisondelestuaire.org



- TOP 20 items (OSPAR)**
- 1 950 g Industrial Plastic Granules or nurdles (n=38.000)
 - 2 866 g Unidentified fragments : 2,5 to 50 cm (n=1.378)
 - 3 748 g Unidentified fragments : 0 to 2,5 cm (n=33.160)
 - 4 251 g Pyroplastics (n=378)
 - 5 242 g Caps (n=226)
 - 6 143 g Toys (n=109)
 - 7 125 g Cotton bud sticks (n=661 reconstituted)
 - 8 64 g Pens (n=51)
 - 9 60 g Expanded Polystyrene : 2,5 to 50 cm (n=279)
 - 10 59 g Bottle rings and seals (n=186)
 - 11 53 g Expanded Polystyrene : 0 to 2,5 cm (n=22.590)
 - 12 46 g Lolly sticks (n=90 reconstituted)
 - 13 43 g Bottle (> 0,5 L) (n=1)
 - 14 38 g Polyurethane foam (n=206)
 - 15 37 g Drugs tubes, single doses (n=42)
 - 16 35 g Cigarette lighters (n=3)
 - 17 32 g Car parts (n=17)
 - 18 24 g Plastic wads for hunting (n=20)
 - 19 21 g Biomedias filters (2010, Paris overflow at 370km)(n=132)
 - 20 20 g Syringes & needles (n=21)



+ 4 kg of plastics (or 12liters),
 + 100.000 items,
 + 90.000 microplastics,
 + 300 hours sorting...
 For a total sample of 8kg (43 liters)

ONLY one square meter...

Almost a quarter of plastic pollution is from industrial pre-production pellets (Microplastics).

* this maximum visual pollution is not representative of the entire National Nature Reserve.

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