

- holes = lollipops
- ridges = cotton tips



Document tendered by
 Sarah-Joe Lobwein
 Sustainable Organisation
 of the Sutherland Shire
 Received by
 M. Roupe
 Date: 31 May 2021
 Resolved to publish ☒ Yes ☐ No

Portfolio Committee 7
 – Planning and
 Environment
 31 May, 2021
 Inquiry into the Waste
 Avoidance and
 Resource Recovery
 Amendment (Plastics
 Reduction) (Bill 2021
 Mrs Sarah-Jo Lobwein
 Founder – SO SHIRE



**PLASTIC
 FREE**
 SUTHERLAND SHIRE

Filters/Screens at Potter Point

- **Potter Point Sewage Tertiary Treatment Plant:** 6mm step screen.
- Cotton Buds at 2 - 2.7mm can easily slip through this type of screen. The step screen acts like an elevator with slots.
- **National Outfall Database:**
<https://www.outfalls.info/detail/locations/31>
- **Water quality:**

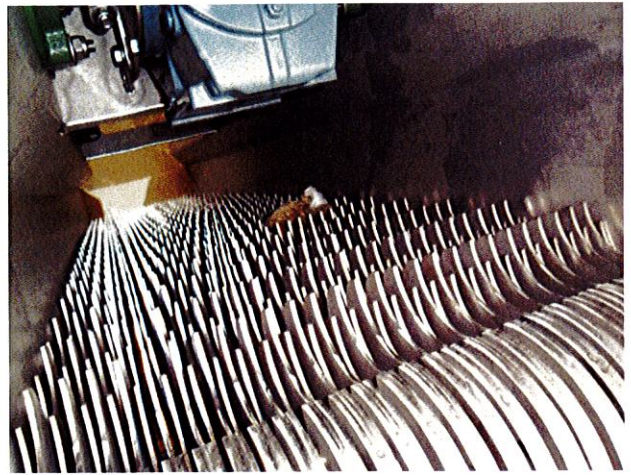
https://www.sydneywater.com.au/web/groups/publicwebcontent/documents/document/zgrf/mjix/~edisp/dd_221536.pdf



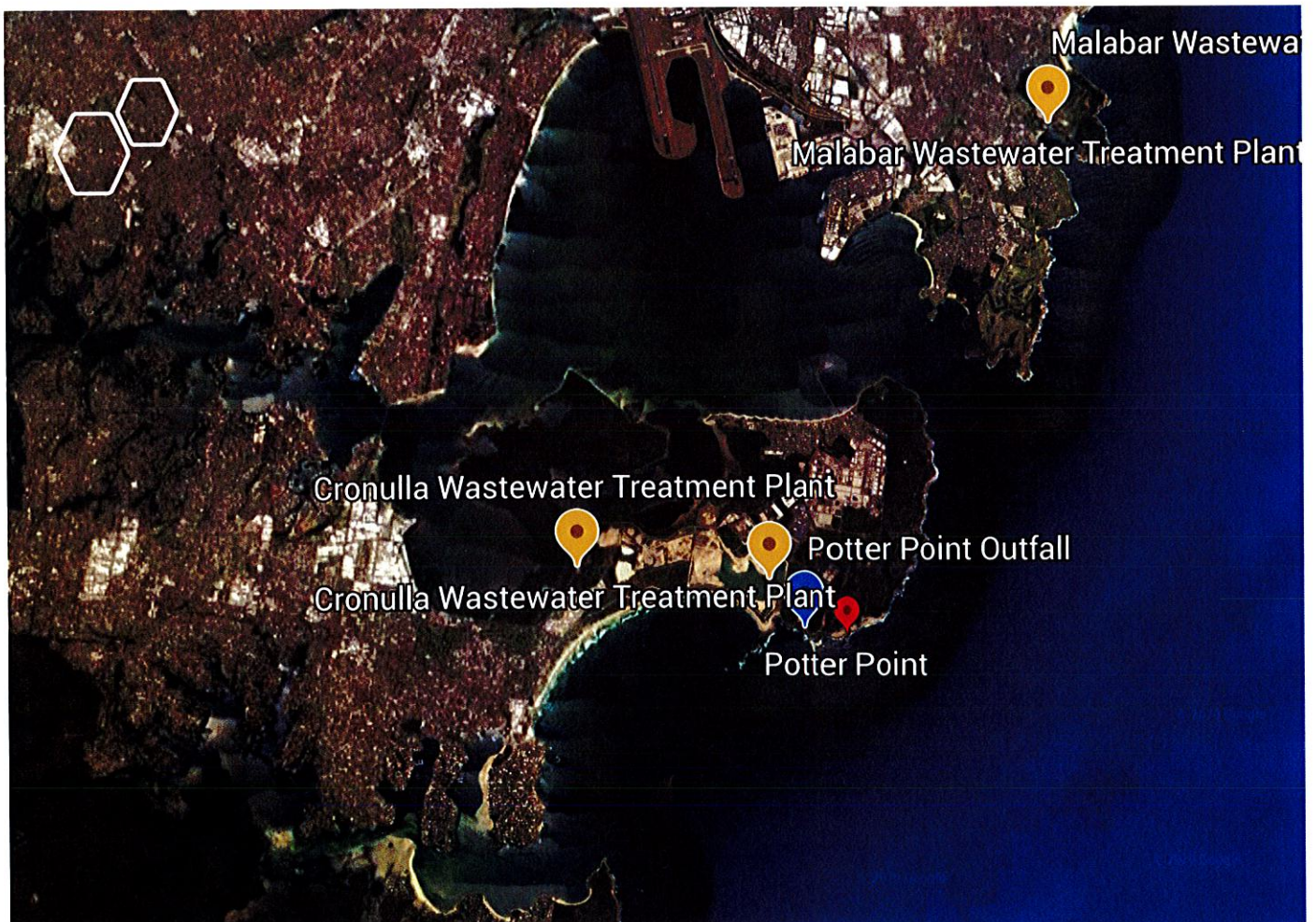
High quantities
regularly – not just
after high rainfall
events or swells.

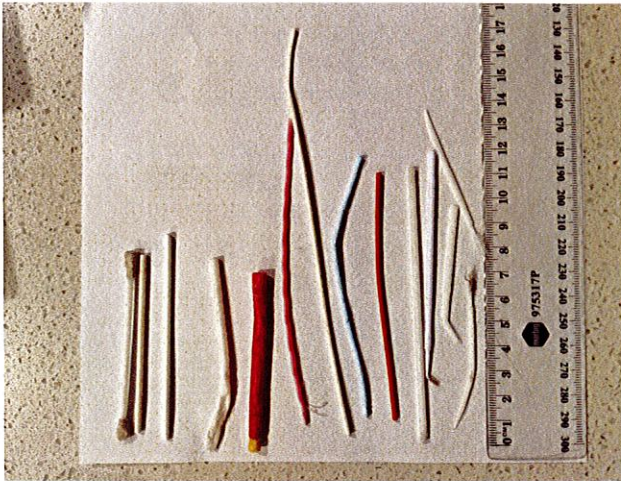
E.g. 200 + in 100
metres 2/8/20 –
Greenhills



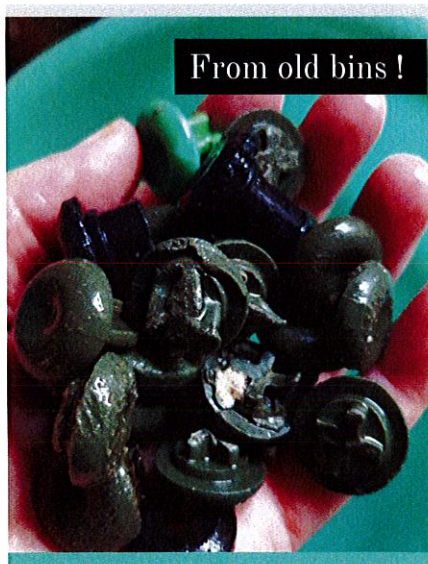


Step filters

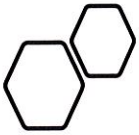




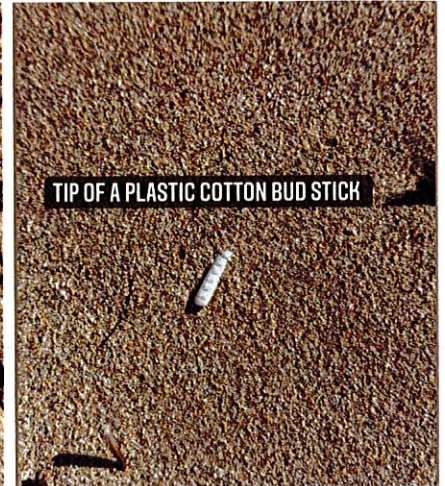
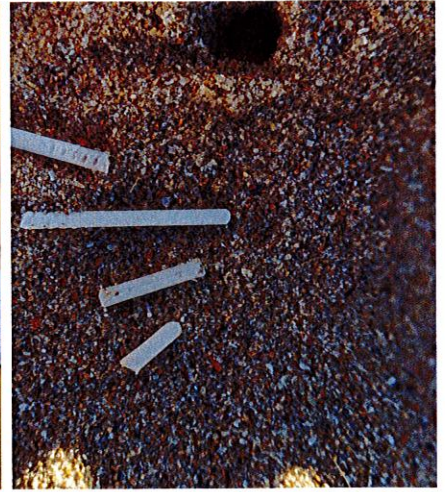
Stormwater, sewerage, or other source
such as marine organism tagging



Identifying Stormwater versus
Sewage source

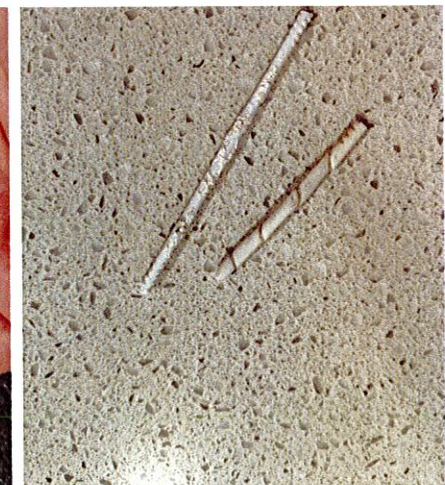
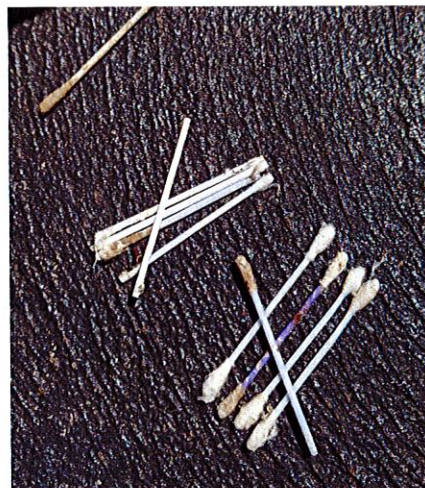


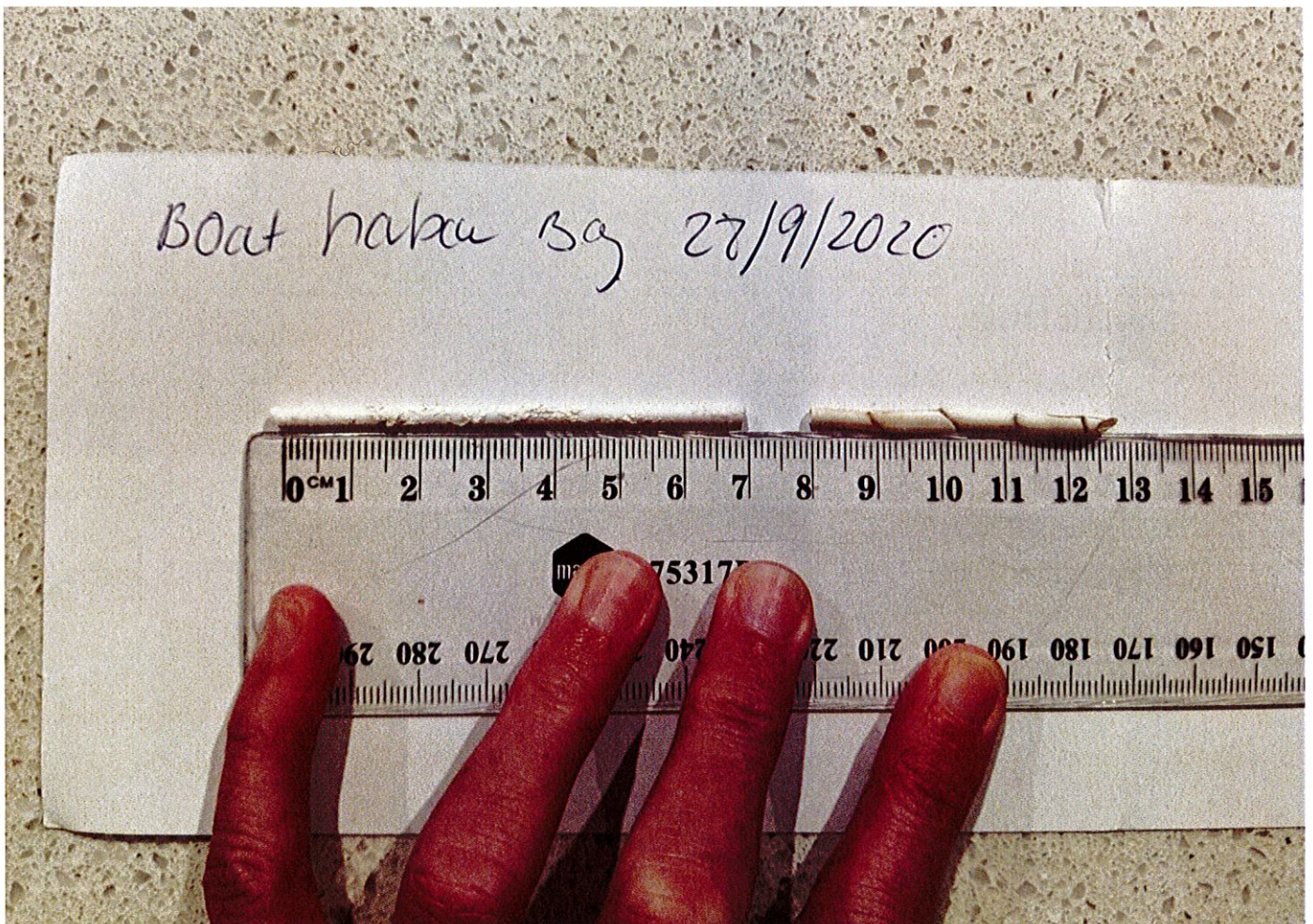
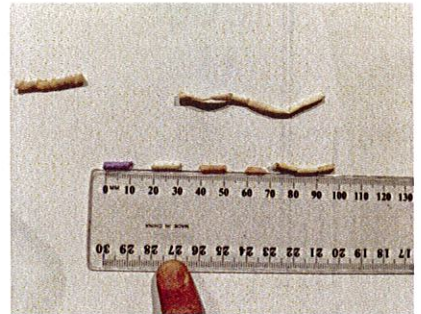
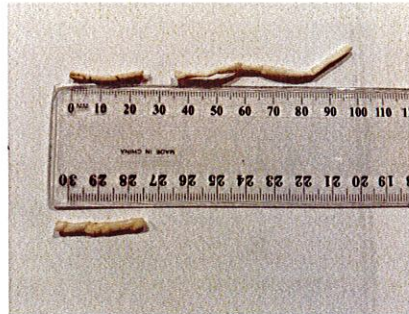
• Pieces

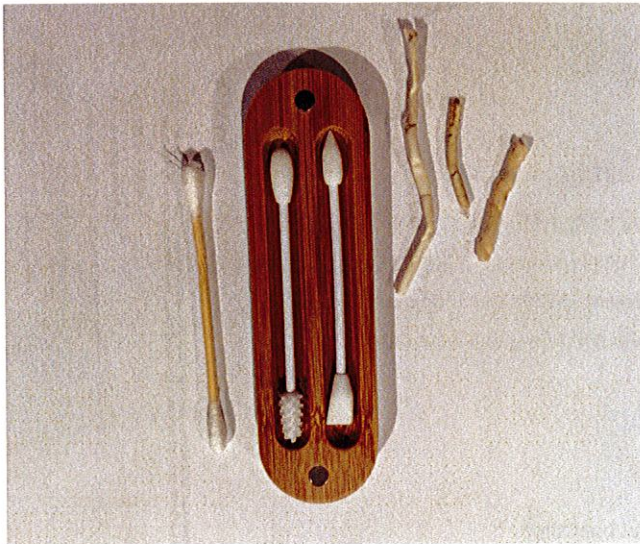


Evidence:

- FOG. (FAT OIL GREASE)
- mechanical "cuts"
- Pieces (next slide)







2021

Solutions:

- Better Filtration and filters – such as Warrnambool, Victoria
- Sampling program designed to establish the release points for cotton bud stems into the environment.
- Public Education
- Plastic Ban as part of NSW Plastics Policy

E.g. UK ban October 2020 : The ban on supplying plastic straws and stirrers and plastic-stemmed cotton buds has come into force in England OCT 1, 2020

- Better Buds: compostable and reusable options only. Better alternatives already available in the retail giants (pictured is plastic versus plastic-free buds available from 2018, NOW more non-plastic brands available including Woolworths Branded)

Better Buds Australia:

- <https://www.betterbuds.org.au/solutions>
- <https://www.cleanocean.org/cotton-bud-survey.html>



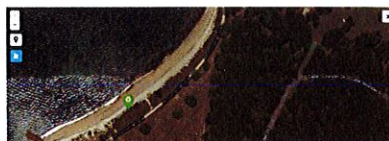
Sites:

- **Cricket pitch*** (Kurnell) * At this site, CVA also collect data from a 100m length
- **Monument** (Kurnell) = from cricket pitch all the way to the whale monument at Kurnell including rocky platform
- **Silver Beach** (Kurnell) = the length of Kurnell main beach (different lengths depending on volunteers)
- **Towra Point/ Bonna Point (Kurnell)** = from boat wharf to Towra point (length always differs)
- **Greenhills** = to orange /BH4WD start
- **Voodoo/Potter Point**
- **Boat Harbour Bay** = the bay inlet where the shacks are
- **Boat Harbour 4wd** = from the bay section to Greenhills
- **Gunnamatta Baths** = includes Baths to the stormwater drain at boat shed
- **Gunnamatta 2** = from the baths end to as far as we can walk to Darook (does not include Dark
- **Burning Palms** = Royal national park
- Yarra Bay
- Frenchmans
- Brighton le sands (Kiosk)
- Parramatta and CVA (monitoring Georges River Catchment sites)

CVA – 100m



Cricket Pitch



Boat Harbour – 2 sites



Example of site locations