



State of play of Mercury in Cyprus

Workshop on Mercury Management and
Decontamination in the Framework of the
Mediterranean Regional Plan on Mercury

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Christalla Nisiotou
Environment Officer
Cyprus Department of Environment

Monitoring

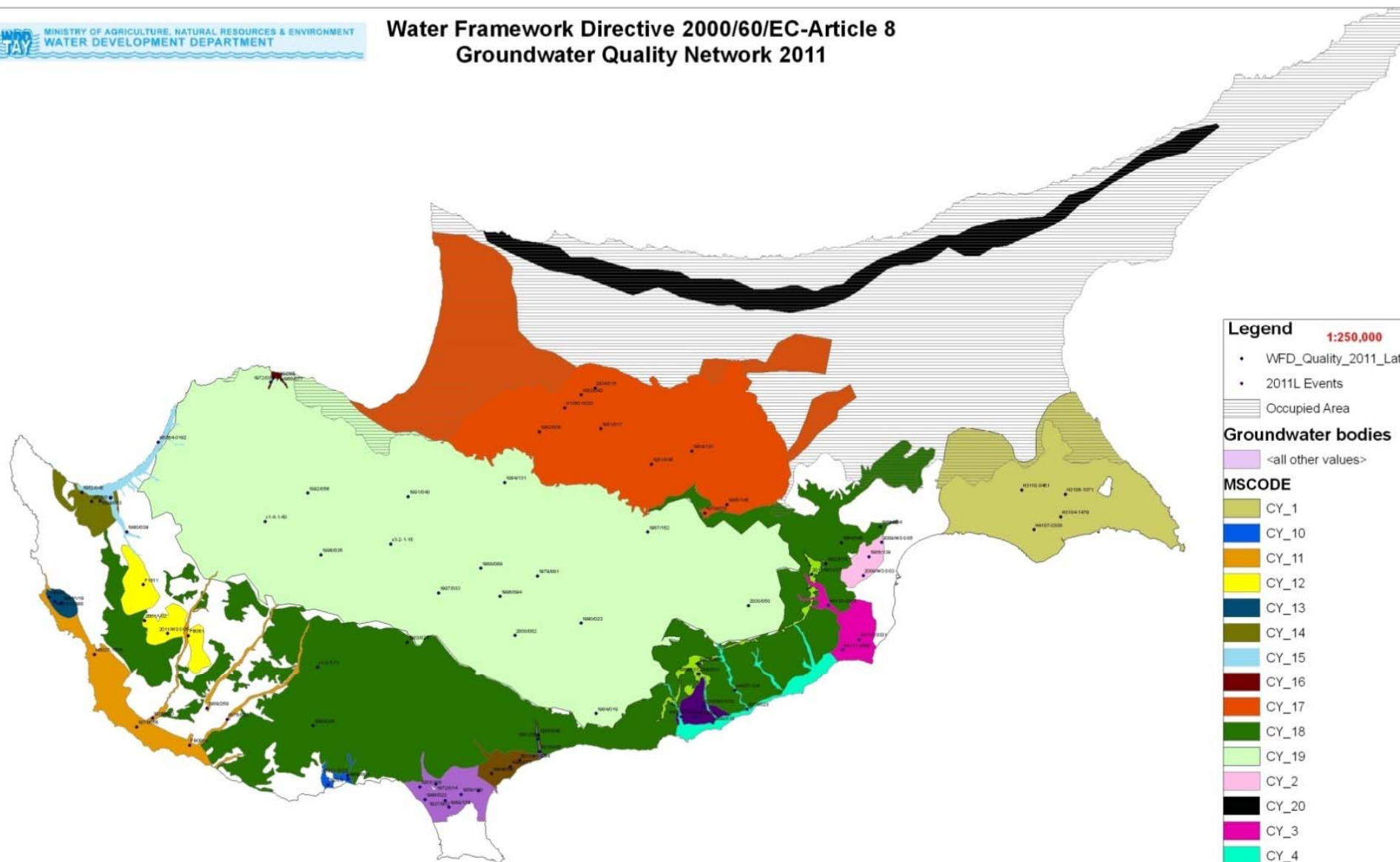
How Cyprus monitors the Hg concentration in:

- Ground Waters
- Surface Waters
- Industry

➤ *Ground Waters*

- Directive 2006/118/EC
- Monitoring since 2007
- 84 sampling points
- Hg concentration $\leq 1\mu\text{g/L}$ (drinking water TV)

Water Framework Directive 2000/60/EC-Article 8 Groundwater Quality Network 2011



Legend 1:250,000

- WFD_Quality_2011_Lates
- 2011L Events
- Occupied Area

Groundwater bodies

<all other values>

MSCODE

- CY_1
- CY_10
- CY_11
- CY_12
- CY_13
- CY_14
- CY_15
- CY_16
- CY_17
- CY_18
- CY_19
- CY_2
- CY_20
- CY_3
- CY_4
- CY_5
- CY_6
- CY_7
- CY_8
- CY_9
- coastline

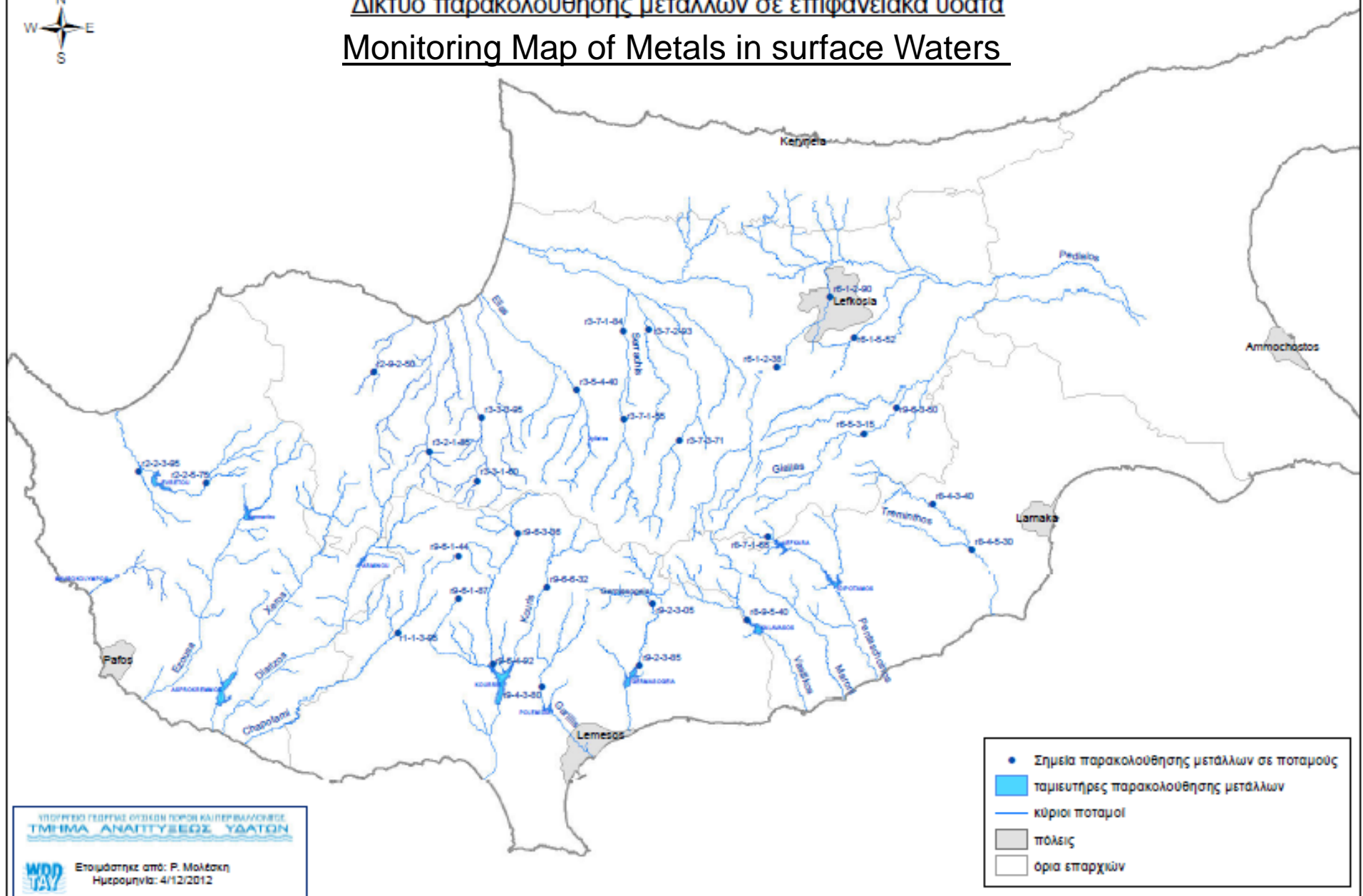
DIVISION OF
HYDROLOGY AND HYDROGEOLOGY

Prepared by: A. Thoma
Approved by: K. Aristeidou
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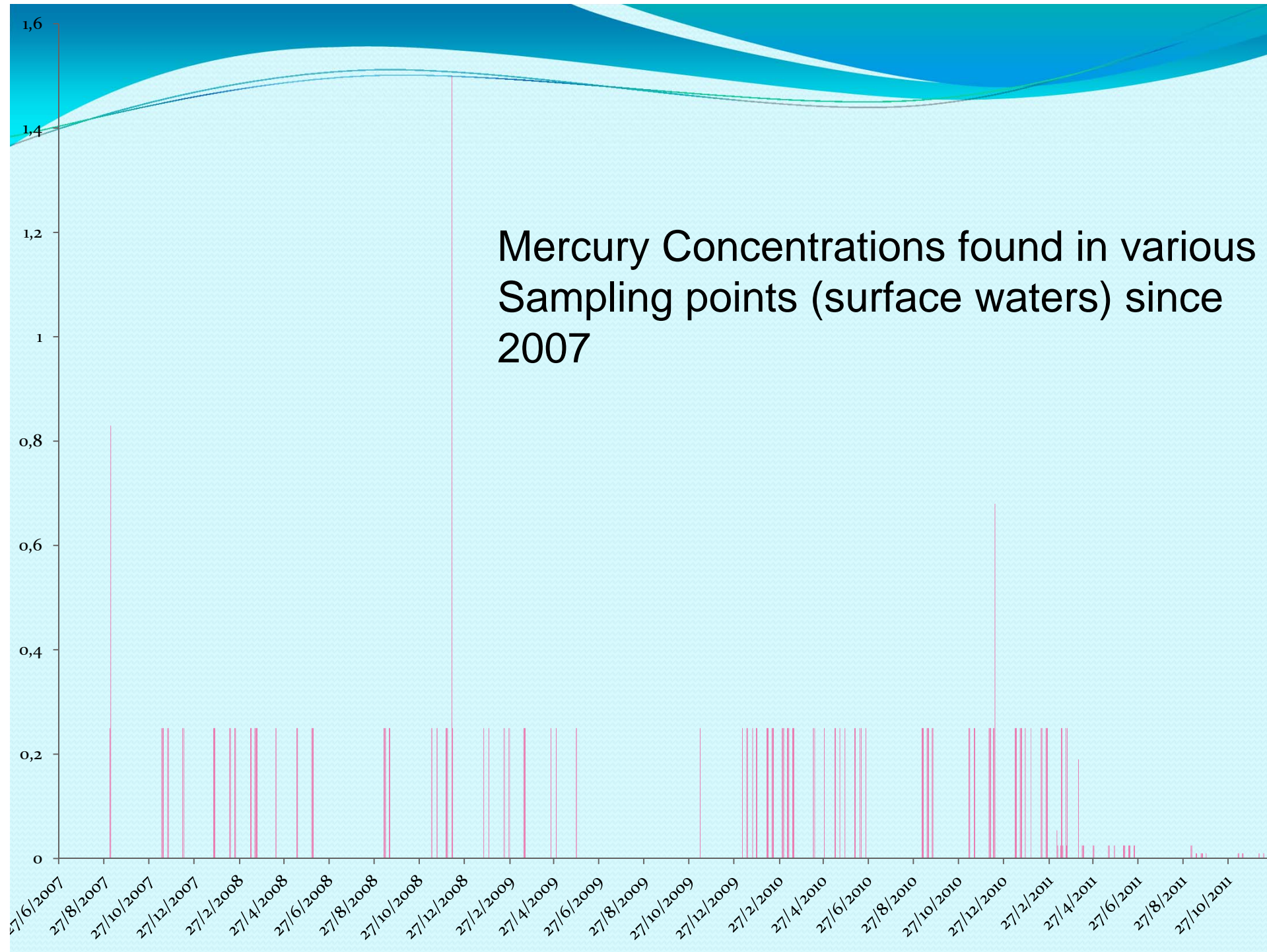
➤ *Surface Waters*

- Directive 2008/105/EC
- Monitoring since 2007
- 41 sampling points (29 rivers once per month and 12 dams 4 times per year).
- 3 dams are checked six times per year because they were found to be in worse condition and needed stricter monitoring.

Δίκτυο παρακολούθησης μετάλλων σε επιφανειακά ύδατα Monitoring Map of Metals in surface Waters



Mercury Concentrations found in various Sampling points (surface waters) since 2007



➤ *Industry*

- 1 Cement work facility (Vasilikos Cement Works)

- 3 Power Stations

- Moni Power Station

- 6 x 30 MW Steam Units 180 MW

- 4 x 37,5 MW Gas Turbines 150 MW

- Vasilikos Power Station

- 3 x 130 MW Steam units 390 MW

- 1 x 38 MW Gas Turbine 38 MW

- Dhekelia Power Station

- 6 x 60 MW Steam Units 360 MW

Waste Management

(Separate Collection)

- WEEE Electrocyclosys
- AFIS (Cyprus)
- Dental Amalgam
- Scientific Laboratories/ Instruments
- End of Life Vehicles



Thank you for your attention...