

Sampling protocol: Liftnet and elfi sampling
Sampling objective(s): glass eel index, ICES advice
Start of sampling: Den Oever liftnet 1938, other liftnet samplings much later. Most 'Elverfinders' (Elfi) since 2019
Sampling ongoing: yes
Data use 3-yearly EU eel evaluation (part of eel regulation), ICES WGEEL, ICES Advice
Sampling design and method <ul style="list-style-type: none"> • Den Oever: March-May, every night, every hour between 22:00 en 05:00. • Other locations with liftnet sampling depend on the availability of the volunteers. • Elfi (6 locations) March 15-June 15 continuous for appr. 12 weeks. Emptying of the Elfi's occurs twice a week.
Sampling protocol and data capture <ul style="list-style-type: none"> • Den Oever: March-May, every night, every hour between 22:00 en 05:00. Fishers drop the liftnet in the water, wait for 5 minutes and pull it out again. All glass eel is counted. • Elfi (6 locations), March 15-June 15 continuously. Emptying of the Elfi twice a week. Fishers go to the Elfi by boat or from land, empty the trap l and count the catch. Large catches (>300 gr) are weighed. A subsample of three times 50-100 ind. is used to estimate total catch. <p>See also: https://research.wur.nl/en/publications/vismonitoring-rijkswateren-tm-2021-deel-ii-toegepaste-methoden</p>
Data quality Quality assurance procedure Quality checks are conducted upon processing at the institute, and before entry into the national database FRISBE. Standardised SAS scripts are used for the data quality checks (available upon request). Essentially, the trawl haul data are checked for outliers on numerical values (either by plotting or by providing minimum, mean, and maximum values), consistency in text variables (e.g. station coding, crew members).
Data storage National database: Frisbe (liftnet). Elfi data are planned to be imported in Frisbe as soon as possible. International database: aggregated data (index) is stored in WGEEL database-
Data availability Institutional availability: accessibility of the national database FRISBE is described in Proc_databases , data is made available as soon as possible after the survey. Public availability: aggregated data are available in the ICES database (liftnet) and in the Netherlands country report (liftnet and elfi).
Reference to full documentation: Internal document: CVO_h_008: Keeken, O.A. van, K. Kwakman-Schilder, P. de Bruijn, J. de Leeuw, T. Leijzer, A.B. Griffioen, M. van Hoppe, E. van Os-Koomen, J.C. van Rijssel, M. Scholl, N. Tien 2022. Handboek zoetwater vismonitoringen versie 2022. CVO rapport 22.024

Public available document (in Dutch): van Keeken, O.A., de Bruijn, P.J., Griffioen, A.B., van Os-Koomen, E., & Wiegerinck, J.A.M. 2022. Vismonitoring Rijkswateren t/m 2021: Deel II, Toegepaste methoden. Wageningen Marine Research rapport; No. C077/22. <https://doi.org/10.18174/581490>

Review frequency full documentation: annually

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