

## GLOSS Sea Level Data Archeology Project

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### GLOSS Data Archeology - Preliminary Questionnaire Return and Status

#### NETHERLANDS : Questionnaire 1

#### 1. PRIMARY INFORMATION

<b>Contact Name</b> <b>Address</b>  <b>Tel/Fax/E-mail</b>	Koos Doekes Rijkswaterstaat RIKZ/ITB P.O. box 20907 2500 EX DEN HAAG Netherlands  tel. +31 (0)70 311 4520 fax +31 (0)70 311 4321 <a href="mailto:j.doekes@rikz.rws.minvenw.nl">j.doekes@rikz.rws.minvenw.nl</a>
<b>Location of the historic measurements</b> (station name, country name, if possible latitude/longitude) If possible a local map should be provided showing the location of the measurements within a port or harbour (we realise that sometimes the exact location may no longer be known).	Hoek van Holland, Netherlands N 51 59 E 04 07  for map cf. <a href="http://www.waterland.net/rikz/waterstand">http://www.waterland.net/rikz/waterstand</a>
<b>Start and end dates of the measurements</b>	1911 - 1931
<b>Are existing (i.e. probably later) data already available in computer form from this site? If so, for what dates?</b>	daylight HW/LW data : 1863 – 1887 HW/LW data : 1887 – present dt = 3 hour : 1906, 1910 + 1911, Jan. 1932, 1936, 1939 - 1970 dt = 1 hour : 25 Jan - 5 Feb 1953, 1971 - 1986 dt = 30 min. : 1900 dt = 10 min. : 1987 - present
<b>Is this site a GLOSS station, or are there existing data from this site in the PSMSL, UHSLC or other international data banks? (We can enter this field if necessary from our</b>	PSMSL nr. 150/051

knowledge of GLOSS, PSMSL and UHSLC)	
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<b>2. SUPPLEMENTARY INFORMATION</b>	
<b>Type of charts.</b> Manufacturer of the charts. Approximate size (cm x cm or inch x inch).	Manufacturer unknown. Size : 55 x 37.5 cm
<b>Manufacturer</b> and description of the gauge itself.	Own fabricate of Rijkswaterstaat Float gauge with stilling well
<b>Scale factor</b> (i.e. ratio of sea level in the ocean to that on the chart)	Scale factor : 1:10 Time : 1 hour = 1.2 cm
<b>Chart replacement frequency</b> (e.g. daily, weekly)	Daily
<b>Quality of charts</b> (e.g. Is the pen trace thin and distinct, which is good, or fat or smudged, which is bad? Is the paper deteriorating? How much high-frequency variability is there in the pen trace from waves, harbour activity or seiching).	Pen trace : very thick Paper quality is OK, some smudges Much disturbed by harbour oscillations and squalls
<b>How often were checks made on the gauge by a local observer?</b>	Daily
<b>Is there corresponding data available from tide pole readings?</b> How frequent were they (e.g. daily, weekly) and are how are those readings recorded (e.g. in a book, marked on the chart)	The tide pole near the gauge was read off daily, and the value written on the graph.
<b>Is there other detailed knowledge of the relationship between the zero of the chart readings, tide gauge zero, tide pole zero, heights of nearby benchmarks etc.?</b>	Tide Gauge Zero = Tide Pole Zero = NAP

<b><u>NETHERLANDS</u> : Questionnaire 2</b>	
<b>1. PRIMARY INFORMATION</b>	
<b>Contact Name</b> <b>Address</b>	Koos Doekes Rijkswaterstaat RIKZ/ITB P.O. box 20907 2500 EX DEN HAAG Netherlands
<b>Tel/Fax/E-mail</b>	tel. +31 (0)70 311 4520 fax +31 (0)70 311 4321 <a href="mailto:j.doekes@rikz.rws.minvenw.nl">j.doekes@rikz.rws.minvenw.nl</a>
<b>Location of the historic measurements</b> (station name, country name, if possible latitude/longitude) If possible a local map should be provided showing the location of the	Oudeschild, Netherlands N 53 02 E 04 51  for map cf.

measurements within a port or harbour (we realise that sometimes the exact location may no longer be known).	<a href="http://www.waterland.net/rikz/waterstand">http://www.waterland.net/rikz/waterstand</a>
<b>Start and end dates of the measurements</b>	1931 - 1938, 1940 - 1944
<b>Are existing (i.e. probably later) data already available in computer form from this site? If so, for what dates?</b>	daylight HW/LW data : 1878 - 1899 HW/LW data : 1939, 1945 - present dt = 1 hour : 1971 - 1987 dt = 10 min. : 1988 - present
<b>Is this site a GLOSS station, or are there existing data from this site in the PSMSL, UHSLC or other international data banks? (We can enter this field if necessary from our knowledge of GLOSS, PSMSL and UHSLC)</b>	No

<b>2. SUPPLEMENTARY INFORMATION</b>	
<b>Type of charts.</b> Manufacturer of the charts. Approximate size (cm x cm or inch x inch).	Manufacturer : Ott ( Germany ), type nr. 138 S Size : 27.4 x 39.2 cm
<b>Manufacturer</b> and description of the gauge itself.	Own fabricate of Rijkswaterstaat Float gauge with stilling well
<b>Scale factor</b> (i.e. ratio of sea level in the ocean to that on the chart)	Scale factor : 1:20 Time : 1 hour = 0.75 cm
<b>Chart replacement frequency</b> (e.g. daily, weekly)	Weekly
<b>Quality of charts</b> (e.g. Is the pen trace thin and distinct, which is good, or fat or smudged, which is bad? Is the paper deteriorating? How much high-frequency variability is there in the pen trace from waves, harbour activity or seiching).	Lines : thin and clear Paper quality is OK, some smudges Small harbour oscillations
<b>How often were checks made on the gauge by a local observer?</b>	Weekly
<b>Is there corresponding data available from tide pole readings?</b> How frequent were they (e.g. daily, weekly) and are how are those readings recorded (e.g. in a book, marked on the chart)	The adjacent tide pole was probably read off weekly, since this was prescribed. The values were probably written on the side flaps of the paper, which at a later time were cut off when the graphs were bound in books
<b>Is there other detailed knowledge of the relationship between the zero of the chart readings, tide gauge zero, tide pole zero, heights of nearby benchmarks etc.?</b>	Tide Gauge Zero = Tide Pole Zero = NAP The level of the benchmark relative to NAP was checked in 1938, 1940, 1942 and 1946