

**Foto-identificatiecatalogus van  
bruinvissen (*Phocoena phocoena*)  
in de Oosterschelde  
2015-2018**

Samengesteld door A.E. Podt  
Januari 2019  
Stichting Rugvin



**Photo-identification catalogue  
of harbour porpoises (*Phocoena  
phocoena*) in the Eastern  
Scheldt 2015-2018**

Compiled by A.E. Podt  
January 2019  
Rugvin Foundation



## De bruinvissen van de Oosterschelde

De Oosterschelde is een getijdebaai, gelegen in het zuidwesten van Nederland. Het is een Nationaal Park met een oppervlakte van 350 km<sup>2</sup>. Van 1979 t/m 1986 werd de Oosterscheldekering gebouwd tussen de Noordzee en de Oosterschelde. Door de open sluizen staan beide wateren nog wel met elkaar in verbinding.

Na een periode waarin er bijna geen bruinvissen langs de Nederlandse kust werden gezien, nam het aantal bruinvissen in de zuidelijke Noordzee halverwege de jaren 90 weer toe. Rond 2000 werden ook weer waarnemingen van bruinvissen in de Oosterschelde gemeld en in de jaren daarna nam dit steeds verder toe. Dit geeft een unieke kans om in de Oosterschelde onderzoek te doen naar deze kleine walvisachtigen.



De Oosterschelde is gelegen in het zuidwesten van Nederland. De Oosterschelde heeft aan de westkant verbinding met de Noordzee.

The Eastern Scheldt is located in the southwestern part of the Netherlands. On the west side, the Eastern Scheldt is connected to the North Sea.

## The harbour porpoises of the Eastern Scheldt

The Eastern Scheldt is a tidal bay, located in the southwestern part of the Netherlands. It is a National Park with a surface of 350 km<sup>2</sup>. From 1979 until 1986, the Storm Surge Barrier was built between the North Sea and the Eastern Scheldt. Both bodies of water are still connected through the open sluices.

After a period when harbour porpoises were rarely seen along the Dutch shores, the number of porpoises in the southern North Sea started to increase in the mid-90s. Sightings of harbour porpoises within the Eastern Scheldt started to emerge around 2000 and increased in the years thereafter. This provides a unique opportunity to study these small cetaceans in the Eastern Scheldt.



Bruinvis met de Oosterscheldekering op de achtergrond.

Harbour porpoise with the Storm Surge Barrier in the background.



Wereldwijd gebruiken onderzoekers foto-identificatie om onderzoek te doen naar walvissen en dolfijnen. Foto's van unieke kenmerken stellen onderzoekers in staat individuen te herkennen en gedurende langere tijd te volgen. Dit kan veel waardevolle informatie opleveren, bijvoorbeeld over het verspreidingspatroon en de sociale banden. Foto-identificatie wordt weinig bij bruinvissen toegepast, terwijl dat zeker mogelijk is. Individuele bruinvissen kunnen herkend worden aan het pigmentpatroon, de rugvinvorm, littekens en inkepingen in de rugvin of op de rug achter de rugvin. Er dient wel rekening gehouden te worden dat littekens en inkepingen gedurende de jaren kunnen ontstaan en in het geval van littekens ook kunnen vervagen.

Na enkele jaren opportunistisch gegevens verzameld te hebben, is Stichting Rugvin sinds 2015 begonnen met toegewijd foto-identificatieonderzoek in de Oosterschelde. Deze foto-identificatiecatalogus is het resultaat van dit onderzoek. Alle bruinvissen in deze catalogus zijn minimaal éénmaal gezien en gefotografeerd in de periode 2015-2018. Er is geprobeerd iedere bruinvis van beide kanten goed te fotograferen. Een individu heeft voor de linker- en rechterkant een apart identificatienummer gekregen. Soms is er nog geen match tussen beide kanten bekend. Daarnaast staat bij elk individu vermeld van welke jaren er waarnemingen met foto's zijn vastgelegd (inclusief de periode 2009-2014). Als een volwassen individu samen met een kalf werd gezien, is deze geclassificeerd als een (zeer waarschijnlijk) vrouwelijke dier.

Ons foto-identificatieproject laat zien dat veel individuele bruinvissen al jaren in de Oosterschelde aanwezig zijn en dus duidelijk vaste bewoners van dit gebied kunnen worden genoemd. Dit onderzoek is mede mogelijk gemaakt door de inzet van vele vrijwilligers en met steun van het Wereld Natuur Fonds Nederland.

Researchers worldwide use photo-identification to study whales and dolphins. Photographs of unique characteristics allow researchers to recognise individuals between one sighting and the next, and monitor them over time. This can result in a lot of valuable information, such as movement patterns and social structures. Photo-identification is rarely used to study porpoises, although it is possible. Individual harbour porpoises can be recognised by their pigmentation pattern, the shape of their dorsal fin, scars, and nicks on their dorsal fin and peduncle. However, it should be taken into account that scars and nicks can be obtained over the years, and that scars can fade away over time.

After some years of opportunistic data collection, Rugvin Foundation implemented dedicated photo-identification research in the Eastern Scheldt since 2015. This photo-identification catalogue is the result of this research. All harbour porpoises within this catalogue have been observed and photographed at least once between 2015-2018. On each occasion efforts were made to clearly photograph both sides of the porpoise. Each individual received a unique identification number for the left and right side. Sometimes, the match between both sides is not yet known. Each individual's profile includes the years in which observations with photos have been registered (including 2009-2014). If an adult was seen in close association with a calf, it was classified as a (likely) female.

Our photo-identification study has shown that many individual harbour porpoises have been present in the Eastern Scheldt for a number of years and are clearly resident in this area. This research was made possible with the help of many volunteers and with the support of the Dutch World Wildlife Fund.



Met behulp van het pigmentpatroon en de vorm van de rugvin kan vastgesteld worden dat de bruinvis op de foto uit 2015 (links) en de foto uit 2018 (rechts) hetzelfde individu is.

Using the pigmentation pattern and the shape of the dorsal fin, it can be confirmed that the harbour porpoise on the photo from 2015 (left) and the photo from 2018 (right) is the same individual.

L001R002

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|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | V |
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| 2014 | V |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | X |





L002R005

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | X |
| 2018 | X |





L003R007

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | V |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L004R\_\_

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | X |
| 2018 | X |



L005R009

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | V |





L006R017

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | V |
| 2018 | X |





L007R010

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|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | X |
| 2018 | X |





L008R003

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|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | V |
| 2013 | V |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | V |





L009R042

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | V |





L010R006

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|      |   |
|------|---|
| 2009 | V |
| 2010 | V |
| 2011 | V |
| 2012 | V |
| 2013 | V |
| 2014 | V |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | X |





L011R008

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L012R004

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|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | V |
| 2018 | V |





L013R053

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | X |
| 2018 | V |





L014R011

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L015R001

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | V |
| 2015 | V |
| 2016 | V |
| 2017 | X |
| 2018 | X |





L016R012

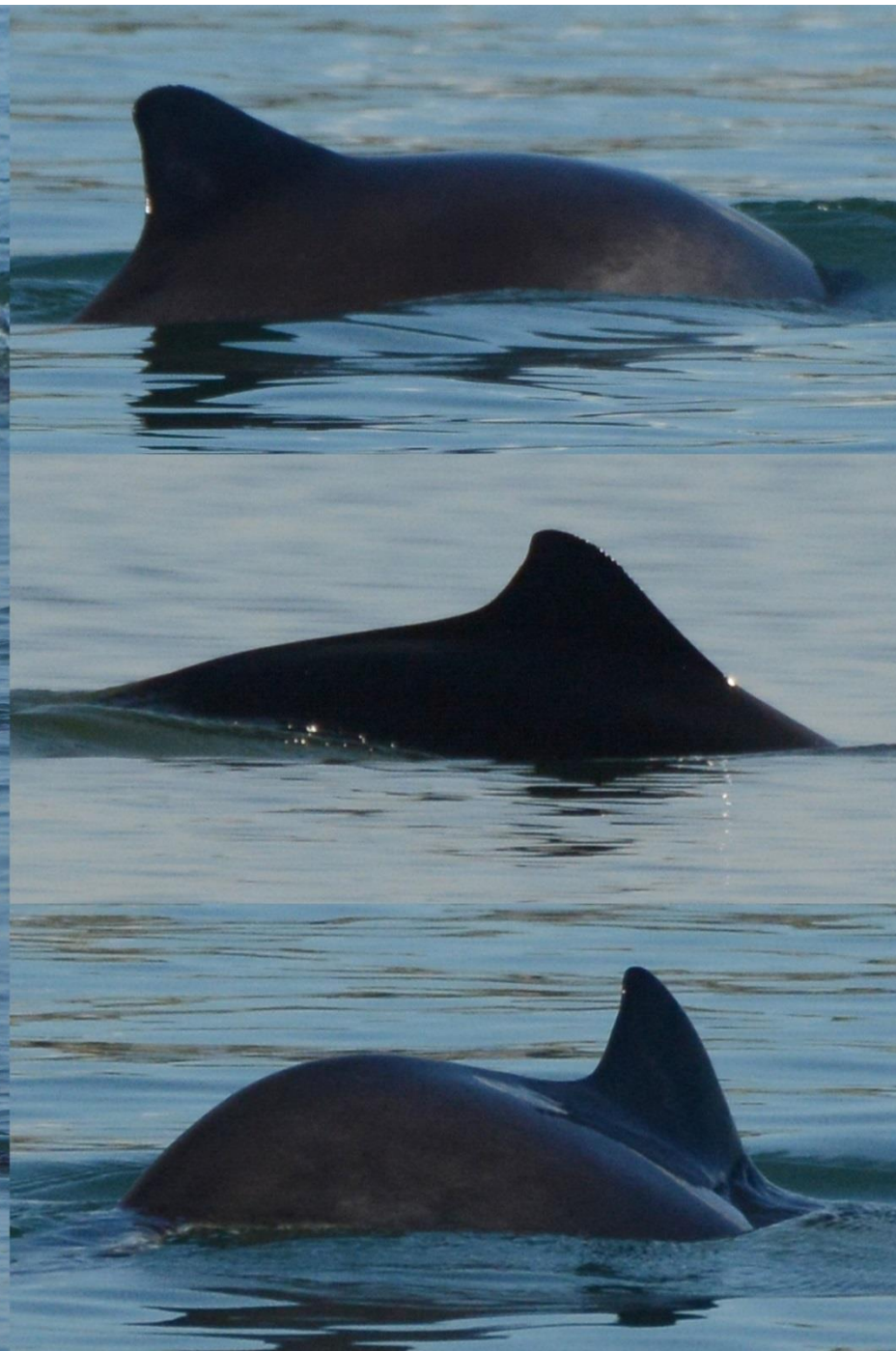
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| 2012 | X |
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| 2015 | X |
| 2016 | V |
| 2017 | X |
| 2018 | X |





L017R013

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | X |
| 2018 | X |





L018R015

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | V |
| 2017 | X |
| 2018 | V |





L019R\_\_

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L020R\_\_

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | X |
| 2018 | X |





L021R030

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | V |
| 2018 | X |





L022R041

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L023R047

♀

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | X |
| 2018 | V |

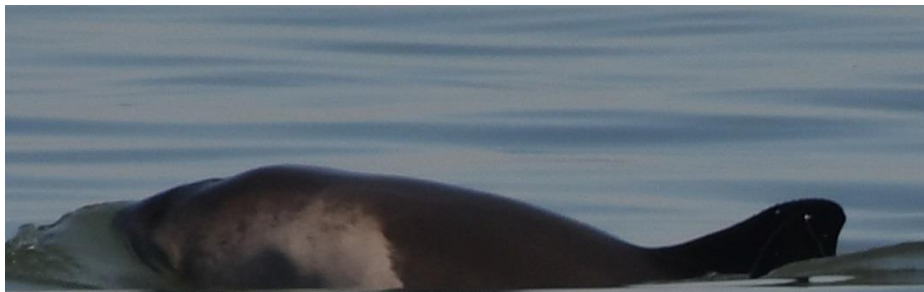




L024R034

♀

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
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| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | X |





L025R018

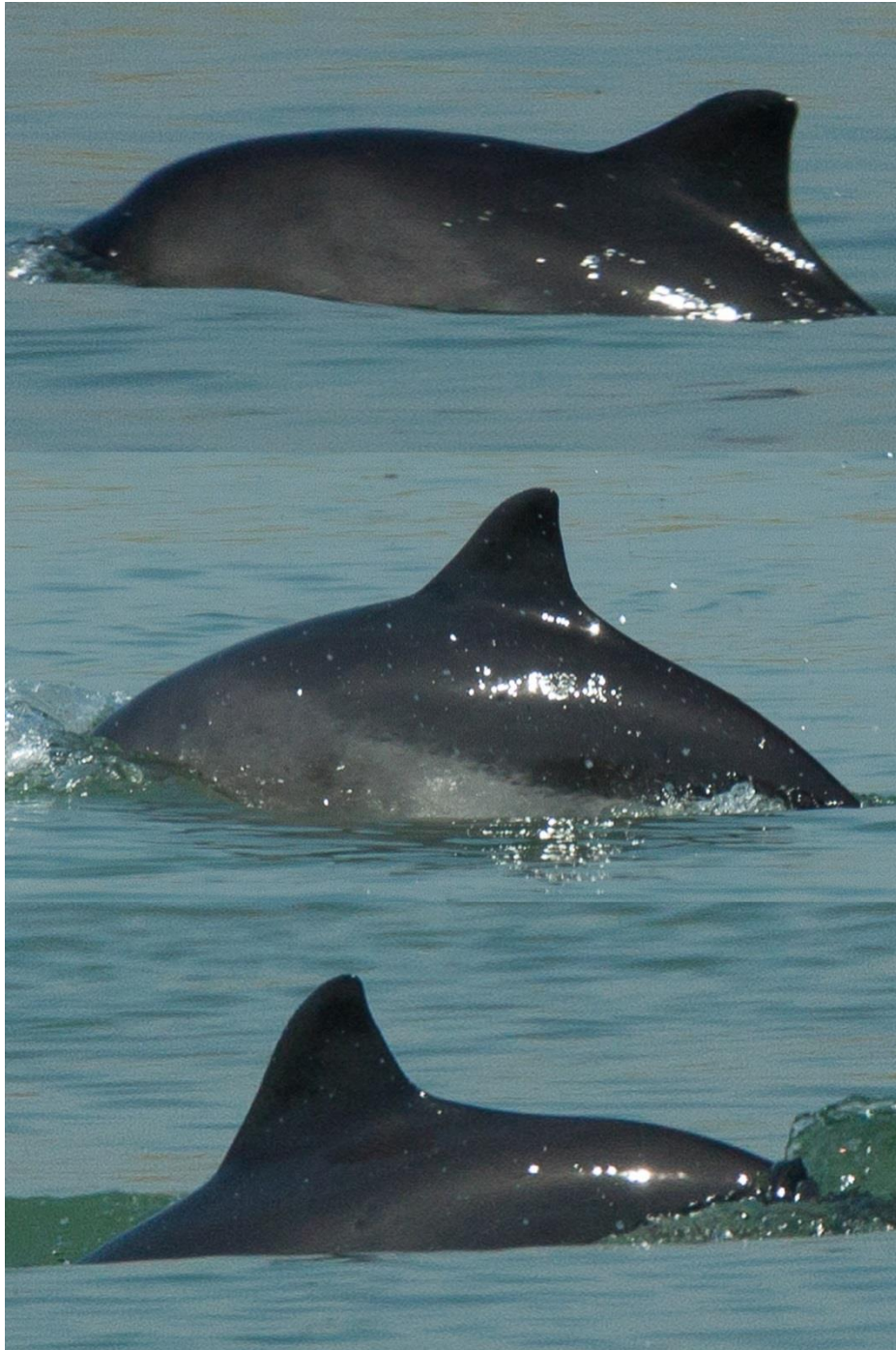
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| 2010 | X |
| 2011 | V |
| 2012 | V |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
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L026R\_\_

|      |   |
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| 2009 | X |
| 2010 | X |
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| 2015 | V |
| 2016 | X |
| 2017 | X |
| 2018 | X |





L027R021

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|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | V |
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L028R023

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | V |
| 2015 | X |
| 2016 | X |
| 2017 | V |
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L029R052

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | V |
| 2014 | X |
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| 2017 | V |
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L030R024

|      |   |
|------|---|
| 2009 | X |
| 2010 | V |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
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L031R025

|      |   |
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| 2009 | X |
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| 2014 | X |
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L032R016

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
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L033R026

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
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L034R027

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
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L035R028

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|      |   |
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| 2009 | X |
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L036R029

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
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L037R031

|      |   |
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| 2009 | V |
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L038R032

|      |   |
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| 2009 | X |
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L039R033

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|      |   |
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| 2009 | X |
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L040R014

|      |   |
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| 2009 | V |
| 2010 | X |
| 2011 | V |
| 2012 | X |
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L041R035

|      |   |
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| 2009 | X |
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L042R054

|      |   |
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| 2009 | X |
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L043R037

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
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| 2016 | X |
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L044R039

|      |   |
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| 2010 | X |
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L045R038

|      |   |
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L046R040

|      |   |
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| 2009 | X |
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| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | X |
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L047R043

|      |   |
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| 2009 | X |
| 2010 | X |
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| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L048R044

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L049R045

|      |   |
|------|---|
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| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L050R046

|      |   |
|------|---|
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| 2010 | X |
| 2011 | V |
| 2012 | X |
| 2013 | X |
| 2014 | V |
| 2015 | X |
| 2016 | X |
| 2017 | X |
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L051R022

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L052R036

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | V |
| 2018 | V |





L053R048

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L054R049

|      |   |
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| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L055R050

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L056R051

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





L\_\_R019

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | V |
| 2017 | X |
| 2018 | X |

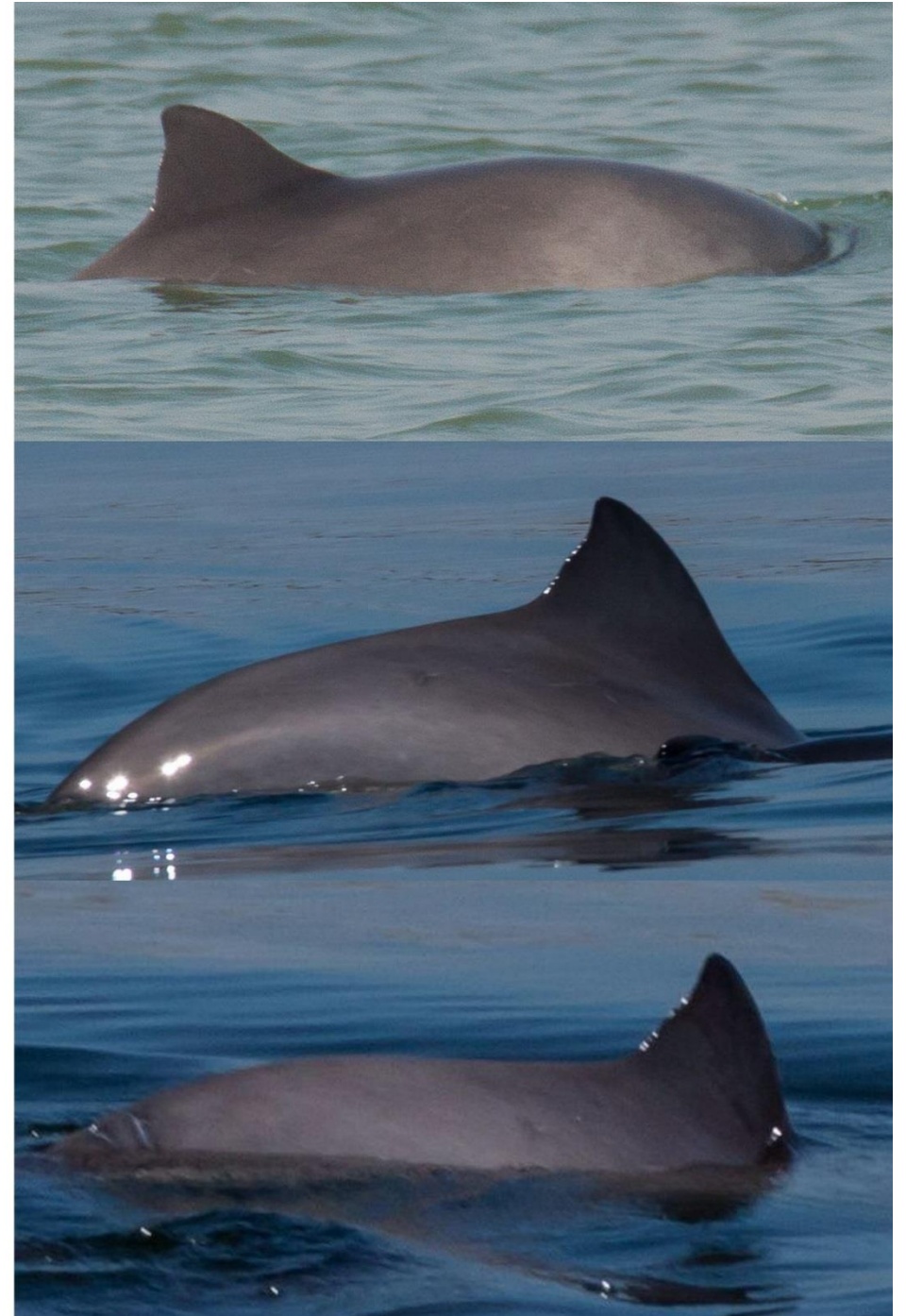




L\_\_R020

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|      |   |
|------|---|
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| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | V |
| 2016 | X |
| 2017 | V |
| 2018 | X |





L\_\_R055

♀

|      |   |
|------|---|
| 2009 | X |
| 2010 | X |
| 2011 | X |
| 2012 | X |
| 2013 | X |
| 2014 | X |
| 2015 | X |
| 2016 | X |
| 2017 | X |
| 2018 | V |





## Fotografen

## Photographers

### Links | Left

### Rechts | Right

|           | Boven   Top          | Midden   Middle      | Onder   Bottom       | Boven   Top          | Midden   Middle      | Onder   Bottom       |
|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| L001R002  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L002R005  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L003R007  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L004R____ | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | -                    | -                    | -                    |
| L005R009  | Renate Olie          | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L006R017  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L007R010  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L008R003  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L009R042  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L010R006  | Wouter Jan Strietman | Annemieke Podt       | Annemieke Podt       | Kora Verdijk         | Annemieke Podt       | Annemieke Podt       |
| L011R008  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L012R004  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L013R053  | Kora Verdijk         | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L014R011  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Wouter Jan Strietman | Annemieke Podt       | Annemieke Podt       |
| L015R001  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L016R012  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L017R013  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L018R015  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Kora Verdijk         | Wouter Jan Strietman |
| L019R____ | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | -                    | -                    | -                    |
| L020R____ | Wouter Jan Strietman | Wouter Jan Strietman | Wouter Jan Strietman | -                    | -                    | -                    |
| L021R030  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L022R041  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L023R047  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L024R034  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L025R018  | ID-team 2015         | ID-team 2015         | ID-team 2015         | Wouter Jan Strietman | Wouter Jan Strietman | Wouter Jan Strietman |
| L026R____ | Wouter Jan Strietman | Wouter Jan Strietman | Wouter Jan Strietman | -                    | -                    | -                    |
| L027R021  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L028R023  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
| L029R052  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |



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|-----------------|----------------------|----------------------|----------------|
| <b>L030R024</b> | Wouter Jan Strietman | Annemieke Podt       | Annemieke Podt |
| <b>L031R025</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L032R016</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L033R026</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L034R027</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L035R028</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L036R029</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L037R031</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L038R032</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L039R033</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L040R014</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L041R035</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L042R054</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L043R037</b> | -                    | Annemieke Podt       | -              |
| <b>L044R039</b> | Renate Olie          | Annemieke Podt       | Annemieke Podt |
| <b>L045R038</b> | Annemieke Podt       | Renate Olie          | Annemieke Podt |
| <b>L046R040</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L047R043</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L048R044</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L049R045</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L050R046</b> | Wouter Jan Strietman | Wouter Jan Strietman | Annemieke Podt |
| <b>L051R022</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L052R036</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L053R048</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L054R049</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L055R050</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L056R051</b> | Annemieke Podt       | Annemieke Podt       | Annemieke Podt |
| <b>L__R019</b>  | -                    | -                    | -              |
| <b>L__R020</b>  | -                    | -                    | -              |
| <b>L__R055</b>  | -                    | -                    | -              |

## Rechts | Right

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|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Ronald Smit          |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
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|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Renate Olie          |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
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|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Wouter Jan Strietman | Annemieke Podt       | Wouter Jan Strietman |
|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
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|  | Annemieke Podt       | Annemieke Podt       | Annemieke Podt       |
|  | Wouter Jan Strietman | Wouter Jan Strietman | Wouter Jan Strietman |
|  | Ernst Schrijver      | Ernst Schrijver      | Ernst Schrijver      |



## Meer lezen?

## Further reading?

- [www.rugvin.nl/foto-id-bruinvissen-oosterschelde](http://www.rugvin.nl/foto-id-bruinvissen-oosterschelde)
- S. van Dam, L. Solé, L.L. IJsseldijk, L. Begeman & M.F. Leopold 2017. The semi-enclosed tidal bay Eastern Scheldt in the Netherlands: porpoise heaven or porpoise prison? *Lutra* 60 (1): 5-18.
- O.E. Jansen, G.M. Aarts & P.J.H. Reijnders 2013. Harbour porpoises *Phocoena phocoena* in the Eastern Scheldt: a resident stock or trapped by a storm surge barrier? *PLoS ONE* 8 (3): e56932.
- A.E. Podt & L.L. IJsseldijk 2017. Grey seal attacks on harbour porpoises in the Eastern Scheldt: cases of survival and mortality. *Lutra* 60 (2): 105-116
- A.E. Podt & F. Zanderink 2018. Wie is wie in de Oosterschelde? Foto-identificatieonderzoek naar bruinvissen. *Zoogdier* 29 (2): 9-11
- F. Zanderink & N. Osinga 2010. De bruinvis is terug in de Oosterschelde. *Zoogdier* 21 (3): 12-15.

