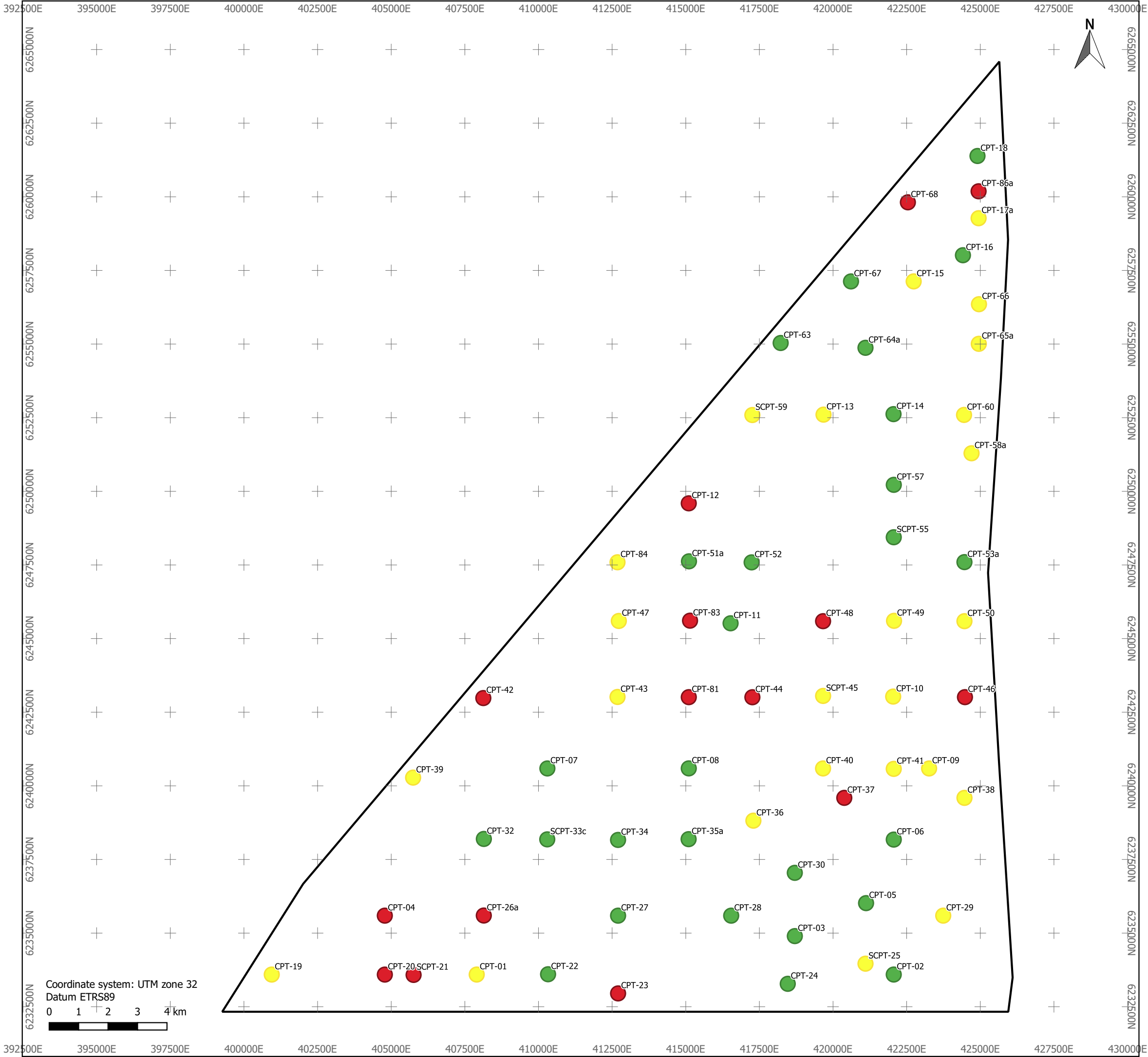






Legend

- OWF Project site
- Risk category
- Category 1 - Risk of leg scour
  - Category 2 - Risk of leg scour and squeezing
  - Category 3 - Risk of leg scour, fast leg penetration, punch through and difficulties during leg extraction

Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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ENERGINET

Leg penetration risk category  
Generic O&M Vessel

ATR no. A205839  
Drawing KAKT  
Control OFN  
Approved LOKL

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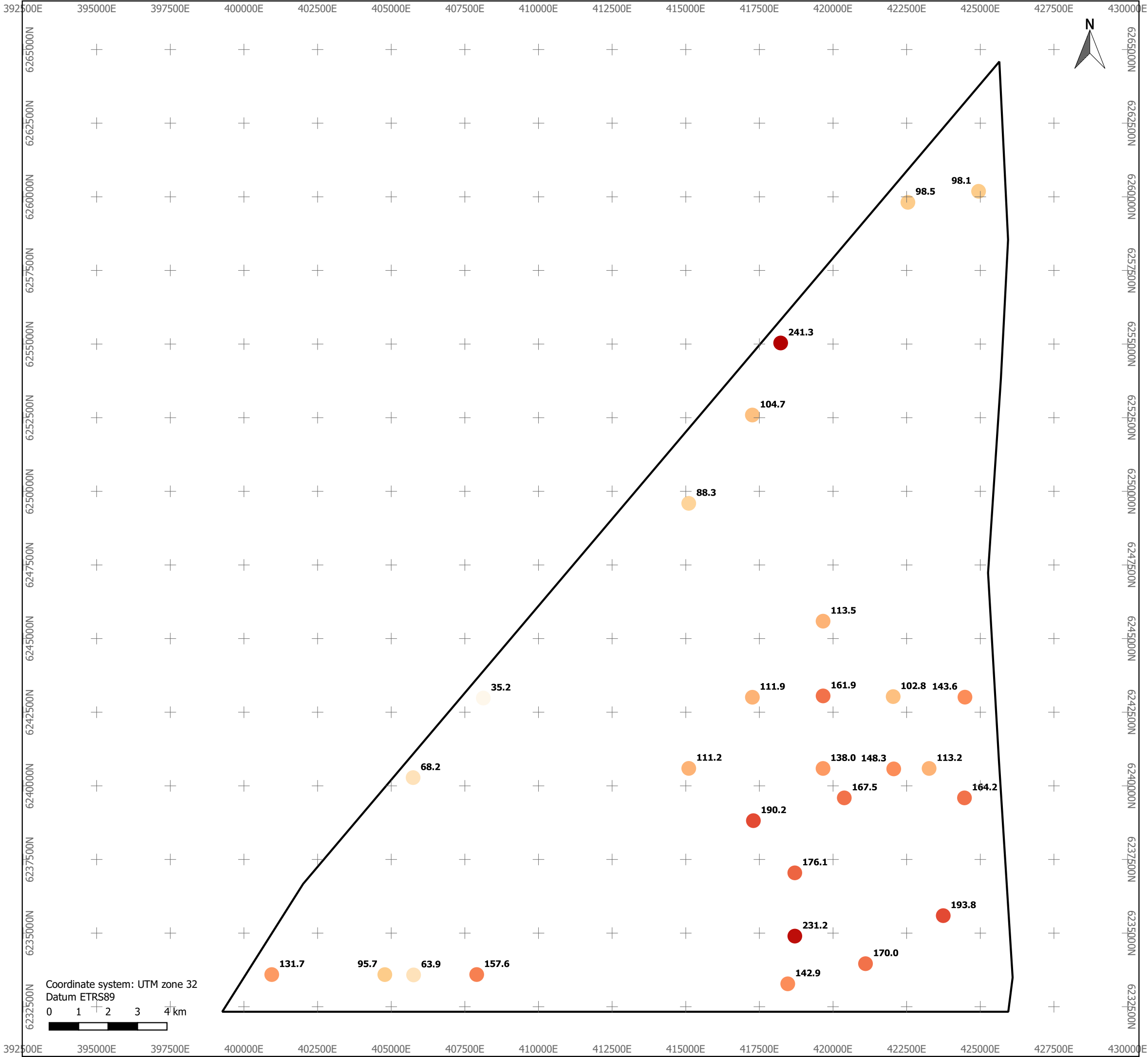
Scale 1:125,000  
Date 2021.01.20

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## Legend

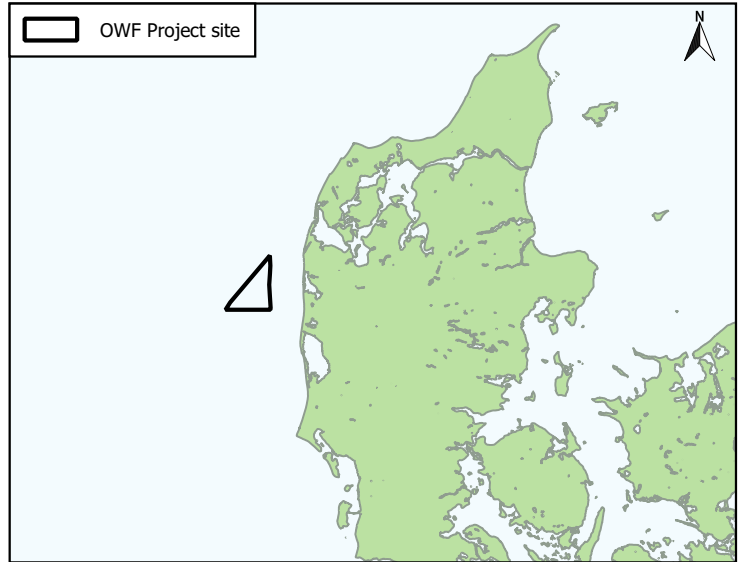
OWF Project site

Undrained shear strength [kPa]

- |           |           |
|-----------|-----------|
| 30 - 40   | 170 - 180 |
| 40 - 50   | 180 - 190 |
| 50 - 60   | 190 - 200 |
| 60 - 70   | 200 - 210 |
| 70 - 80   | 210 - 220 |
| 80 - 90   | 220 - 230 |
| 90 - 100  | 230 - 240 |
| 100 - 110 | 240 - 250 |
| 110 - 120 |           |
| 120 - 130 |           |
| 130 - 140 |           |
| 140 - 150 |           |
| 150 - 160 |           |
| 160 - 170 |           |

## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020



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**ENERGINET**

Pg Clay – Undrained shear strength

ATR no.  
Drawing  
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Scale  
Date

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2021.01.21

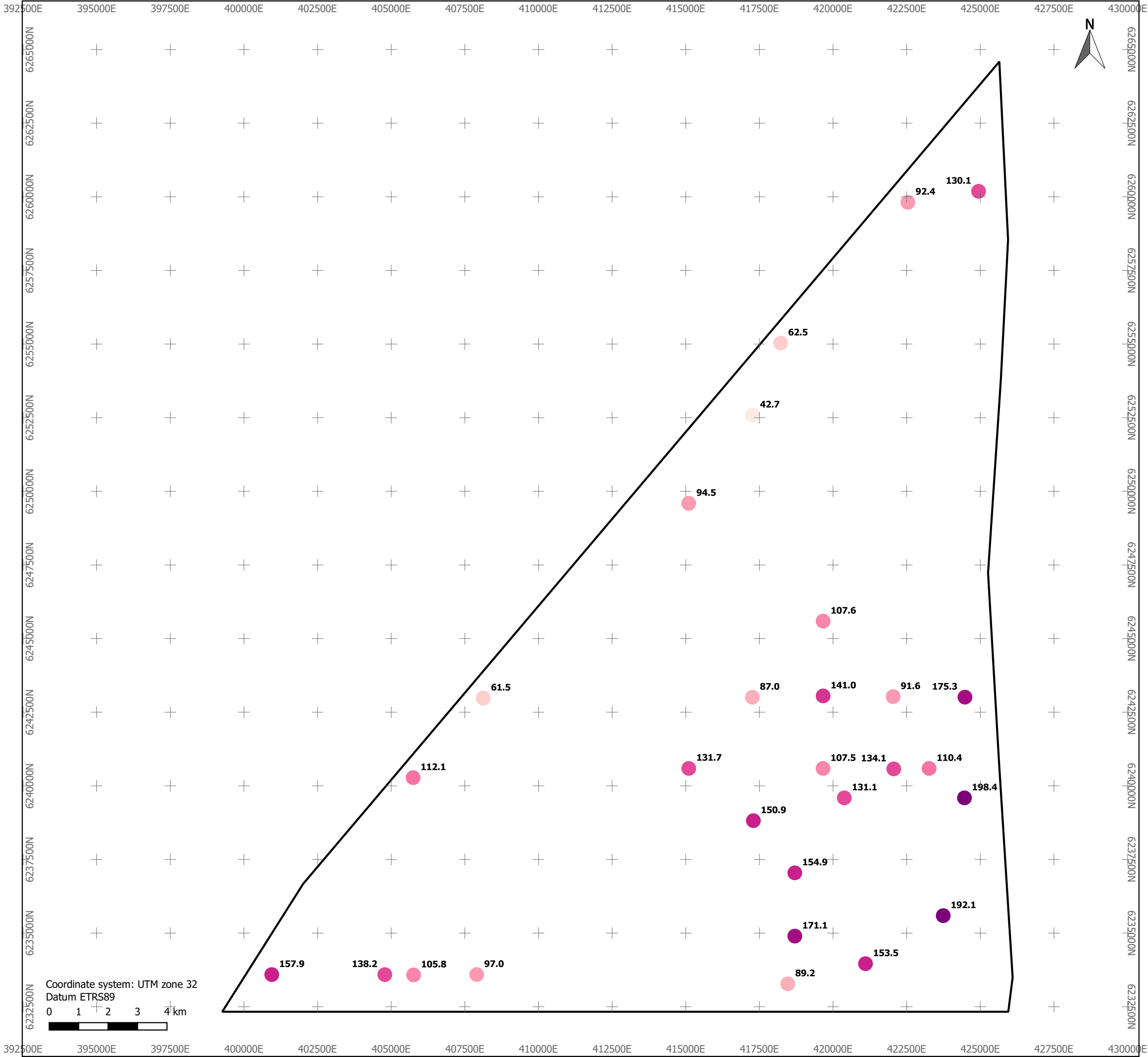
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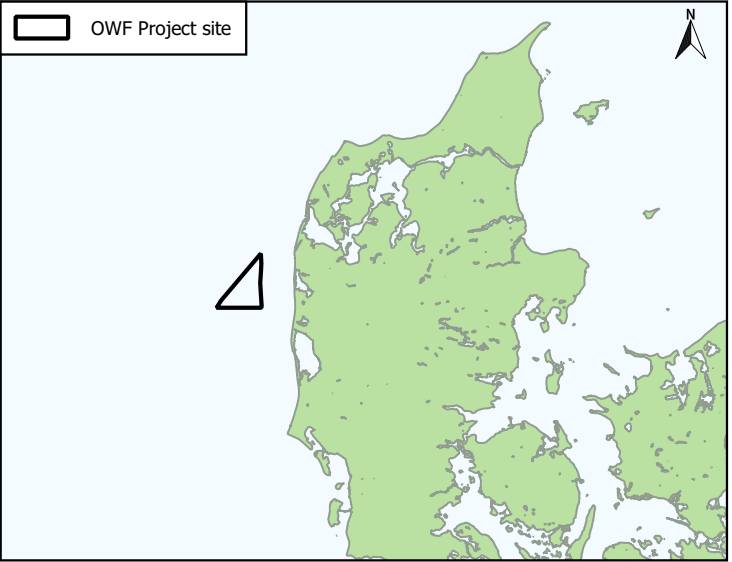
## Legend

- OWF Project site
- Small-strain shear modulus [MPa]
- |           |           |
|-----------|-----------|
| 40 - 50   | 140 - 150 |
| 50 - 60   | 150 - 160 |
| 60 - 70   | 160 - 170 |
| 70 - 80   | 170 - 180 |
| 80 - 90   | 180 - 190 |
| 90 - 100  | 190 - 200 |
| 100 - 110 |           |
| 110 - 120 |           |
| 120 - 130 |           |
| 130 - 140 |           |

### Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



Energinet  
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**ENERGINET**

Pg Clay – Small-strain shear modulus

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Drawing  
Control  
Approved

Appendix no.

2.04

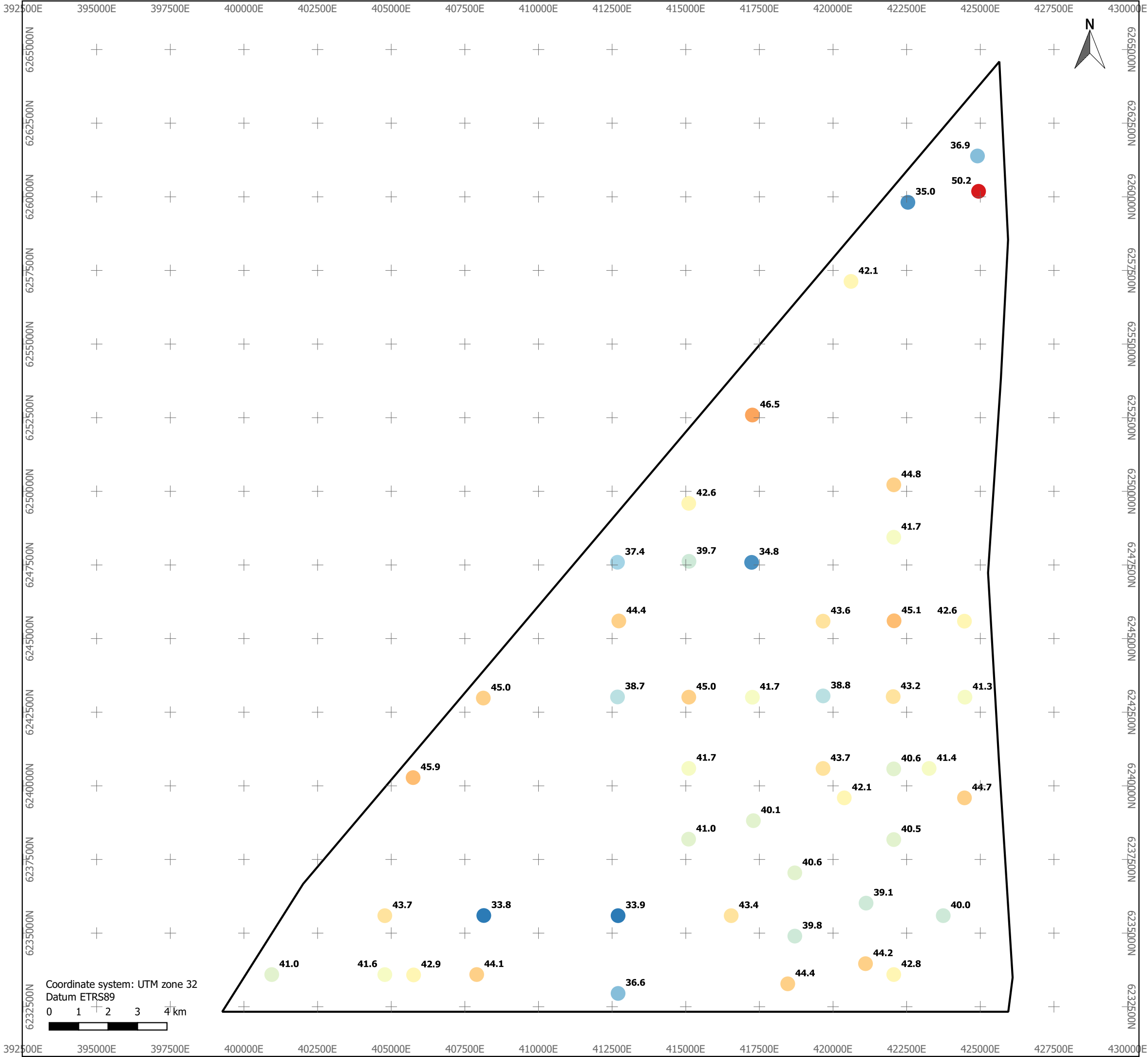
A205839  
KAKT  
OFN  
LOKL

Scale  
Date

1:125,000  
2021.01.21

Version

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## Legend

OWF Project site

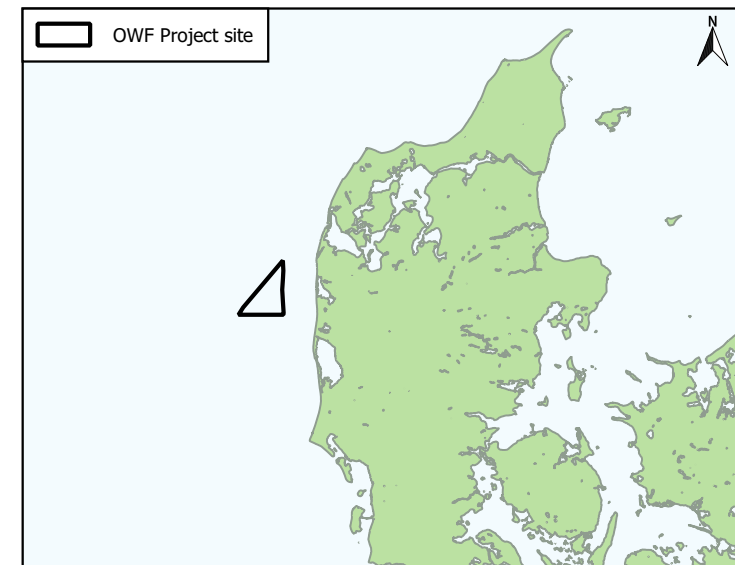
Friction angle [°]

- |         |         |
|---------|---------|
| 33 - 34 | 46 - 47 |
| 34 - 35 | 47 - 48 |
| 35 - 36 | 48 - 49 |
| 36 - 37 | 49 - 50 |
| 37 - 38 | 50 - 51 |
| 38 - 39 |         |
| 39 - 40 |         |
| 40 - 41 |         |
| 41 - 42 |         |
| 42 - 43 |         |
| 43 - 44 |         |
| 44 - 45 |         |
| 45 - 46 |         |

## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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**ENERGINET**

Pg Sand – Friction angle

ATR no.  
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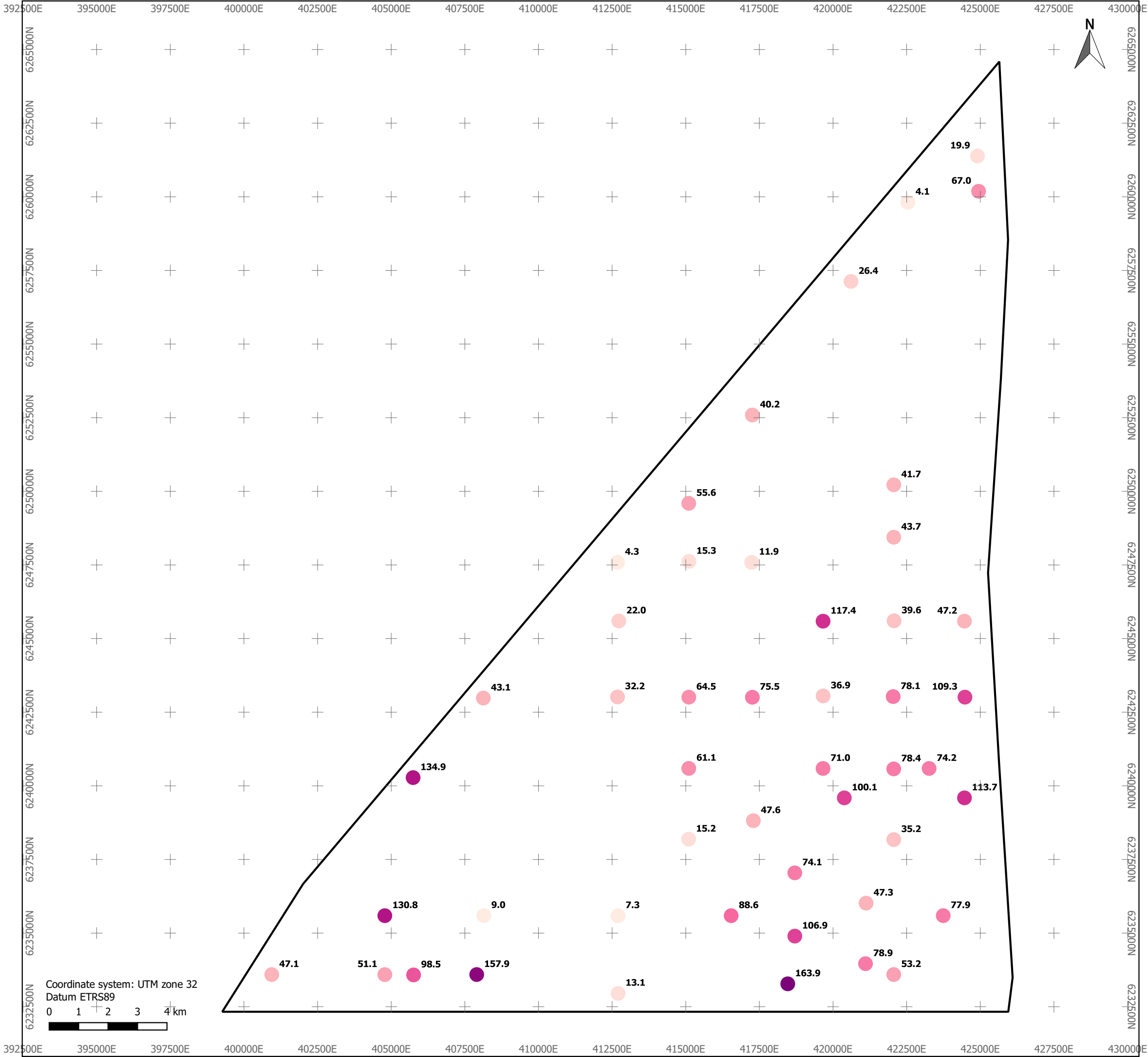
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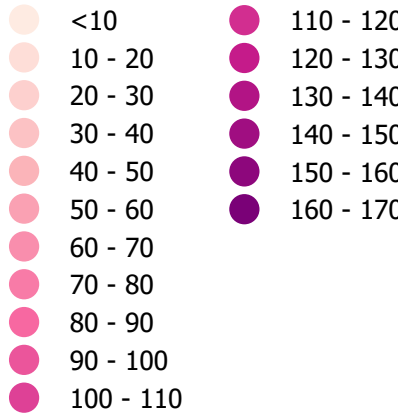
2.05  
1.0



## Legend

OWF Project site

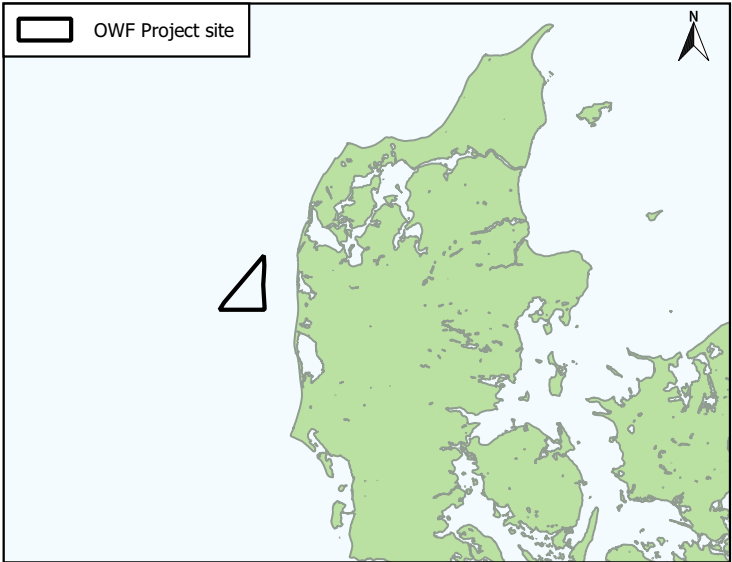
Small-strain shear modulus [MPa]



## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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Pg Sand – Small-strain shear modulus

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Drawing KAKT  
Control OFN  
Approved LOKL

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Scale 1:125,000  
Date 2021.01.21

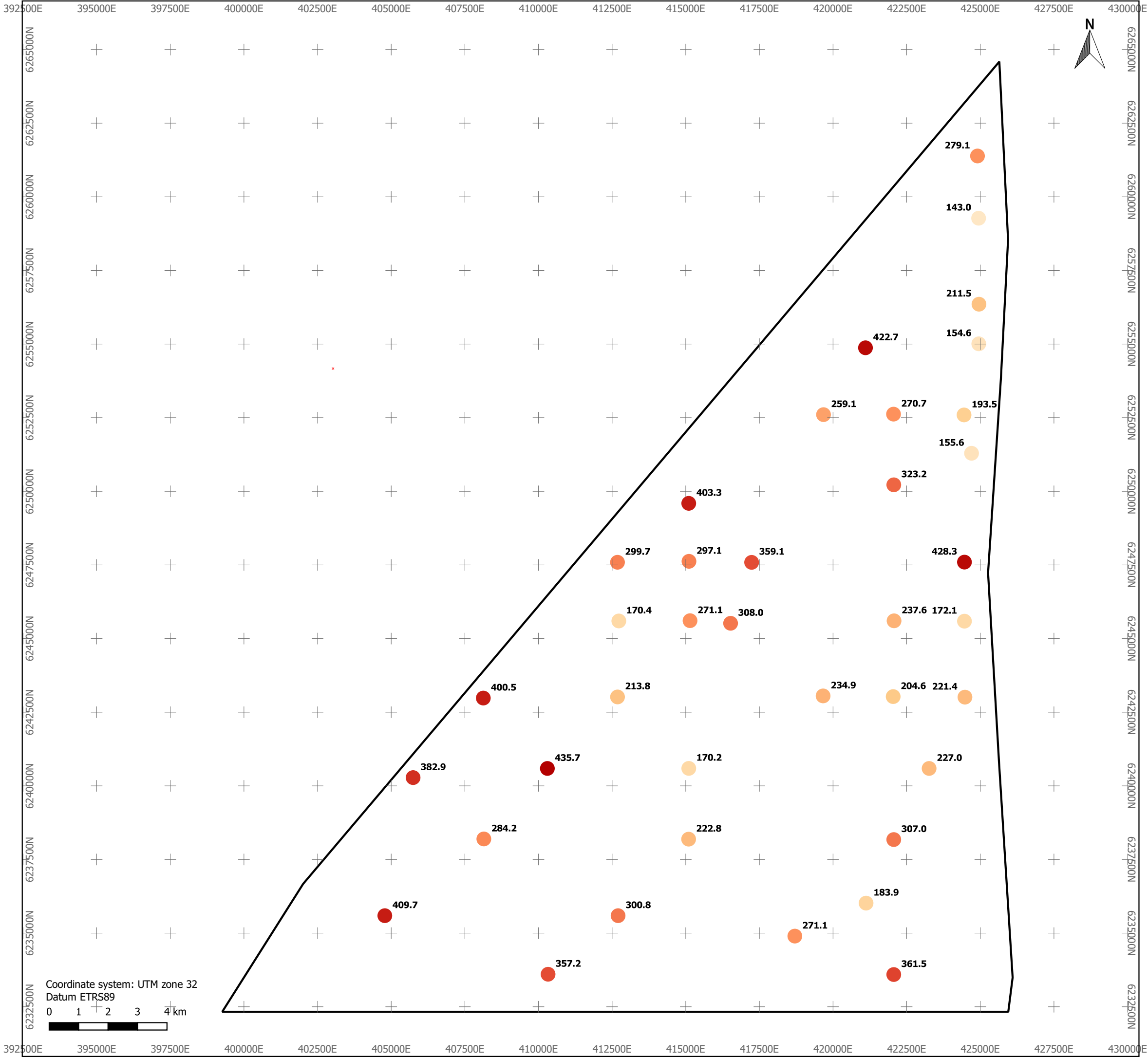
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Appendix no. Version

2.06 1.0



## Legend

OWF Project site

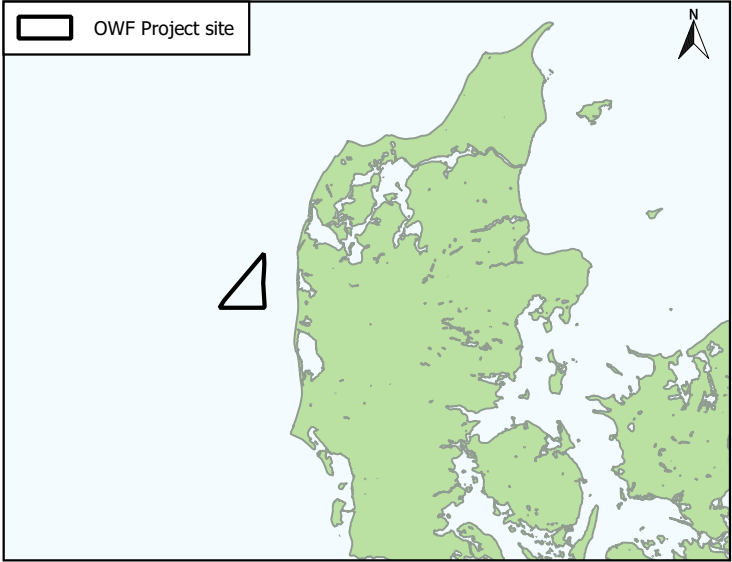
Undrained shear strength [kPa]

|           |           |
|-----------|-----------|
| 140 - 150 | 290 - 300 |
| 150 - 160 | 300 - 310 |
| 160 - 170 | 310 - 320 |
| 170 - 180 | 320 - 330 |
| 180 - 190 | 330 - 340 |
| 190 - 200 | 340 - 350 |
| 200 - 210 | 350 - 360 |
| 210 - 220 | 360 - 370 |
| 220 - 230 | 370 - 380 |
| 230 - 240 | 380 - 390 |
| 240 - 250 | 390 - 400 |
| 250 - 260 | 400 - 410 |
| 260 - 270 | 410 - 420 |
| 270 - 280 | 420 - 430 |
| 280 - 290 | 430 - 440 |

### Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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Gc Clay – Undrained shear strength

ATR no.  
Drawing  
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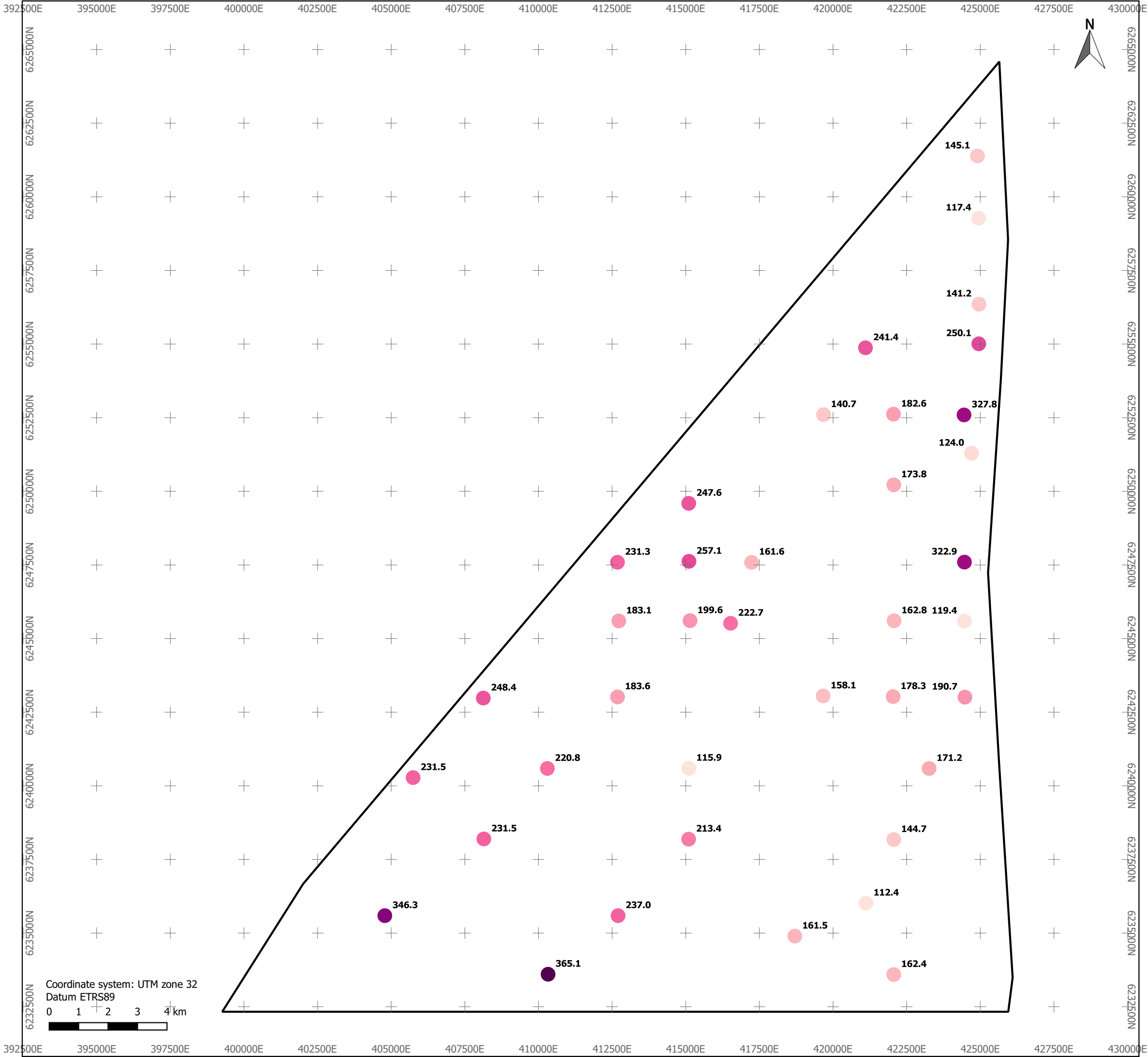
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## Legend

OWF Project site

Small-strain shear modulus [MPa]

- |         |         |
|---------|---------|
| 110-120 | 260-270 |
| 120-130 | 270-280 |
| 130-140 | 280-290 |
| 140-150 | 290-300 |
| 150-160 | 300-310 |
| 160-170 | 310-320 |
| 170-180 | 320-330 |
| 180-190 | 330-340 |
| 190-200 | 340-350 |
| 200-210 | 350-360 |
| 210-220 | 360-370 |
| 220-230 |         |
| 230-240 |         |
| 240-250 |         |
| 250-260 |         |

## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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Gc Clay – Small-strain shear modulus

ATR no.  
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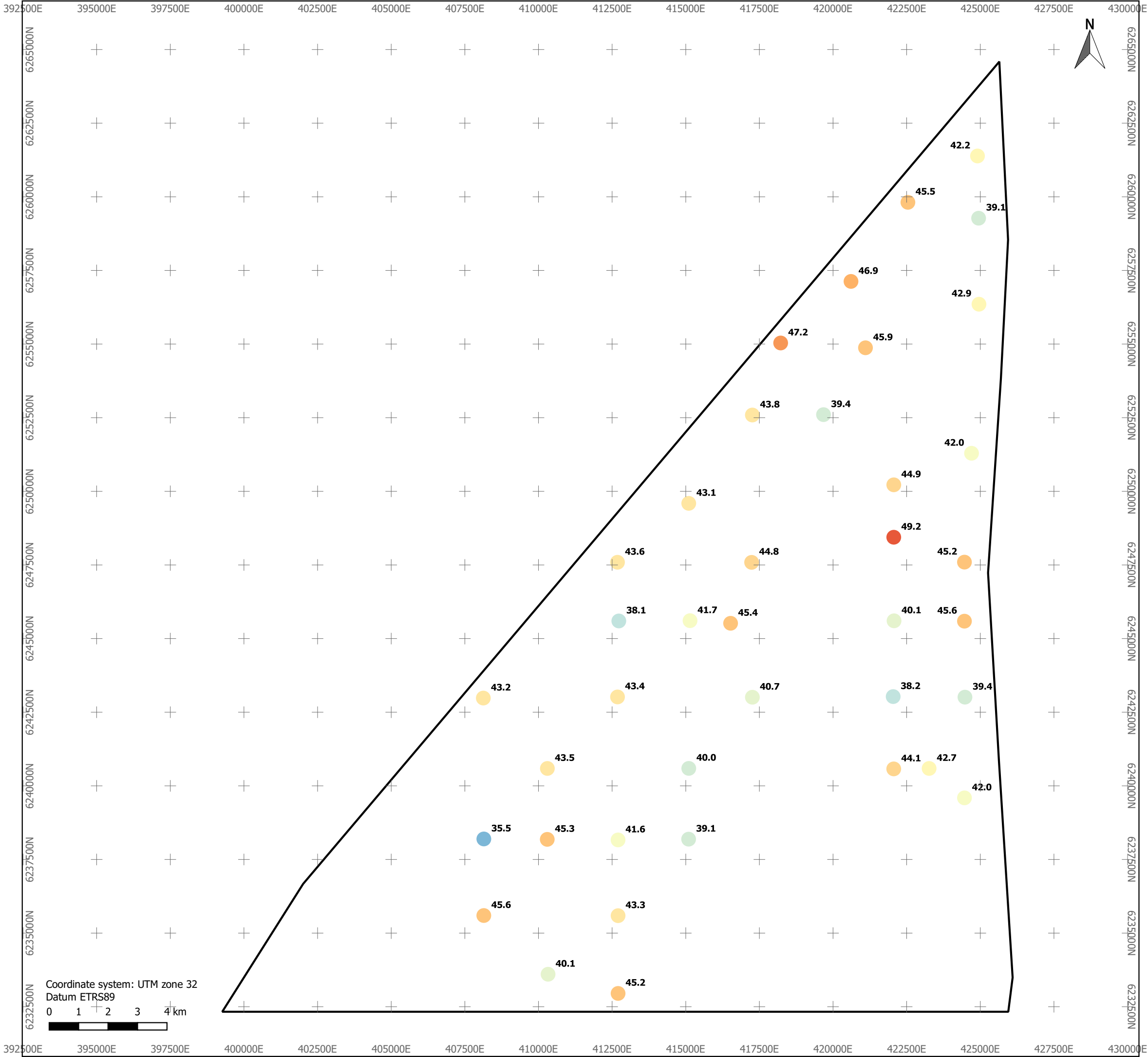
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## Legend

OWF Project site

Friction angle [°]

- 35 - 36
- 36 - 37
- 37 - 38
- 38 - 39
- 39 - 40
- 40 - 41
- 41 - 42
- 42 - 43
- 43 - 44
- 44 - 45
- 45 - 46
- 46 - 47
- 47 - 48
- 48 - 49
- 49 - 50

## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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Gc Sand – Friction angle

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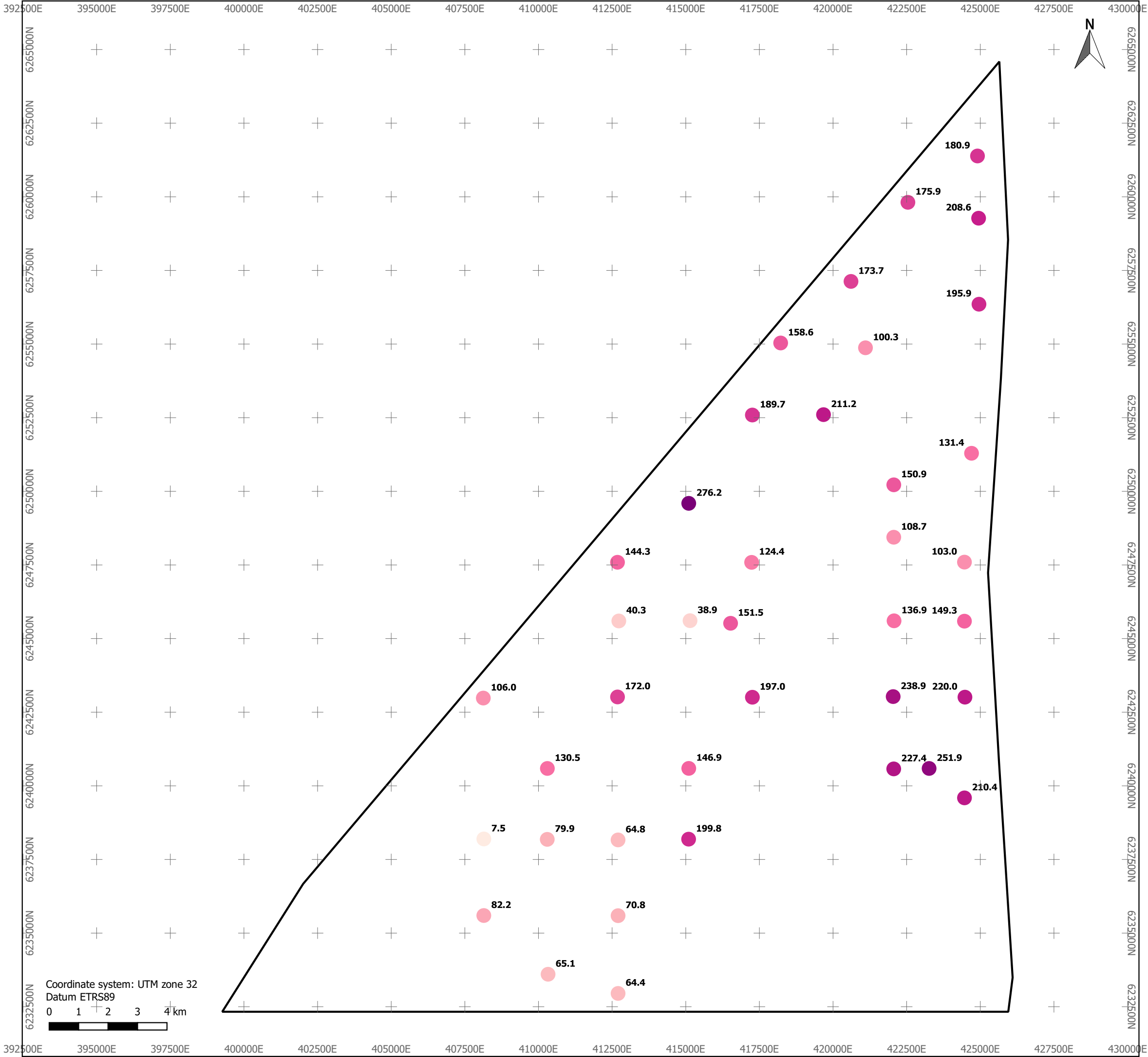
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## Legend

OWF Project site

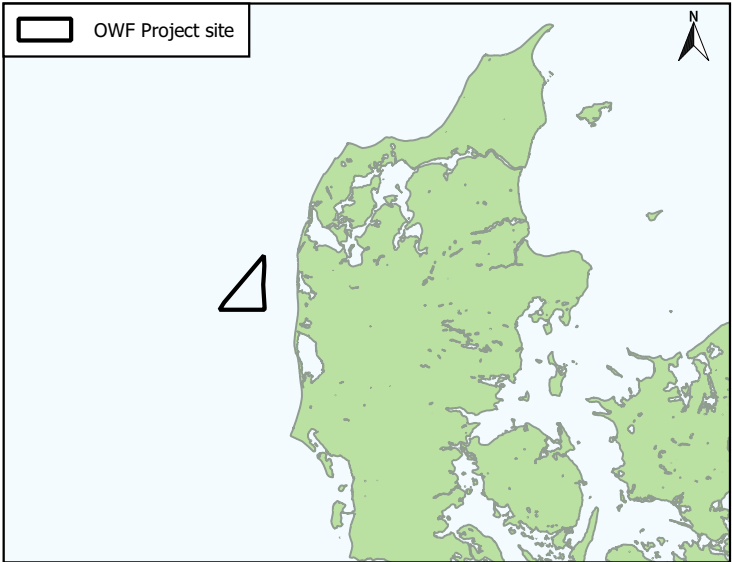
Small-strain shear modulus [MPa]

- |           |           |
|-----------|-----------|
| <10       | 150 - 160 |
| 10 - 20   | 160 - 170 |
| 20 - 30   | 170 - 180 |
| 30 - 40   | 180 - 190 |
| 40 - 50   | 190 - 200 |
| 50 - 60   | 200 - 210 |
| 60 - 70   | 210 - 220 |
| 70 - 80   | 220 - 230 |
| 80 - 90   | 230 - 240 |
| 90 - 100  | 240 - 250 |
| 100 - 110 | 250 - 260 |
| 110 - 120 | 260 - 270 |
| 120 - 130 | 270 - 280 |
| 130 - 140 |           |
| 140 - 150 |           |

### Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site



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Gc Sand – Small-strain shear modulus

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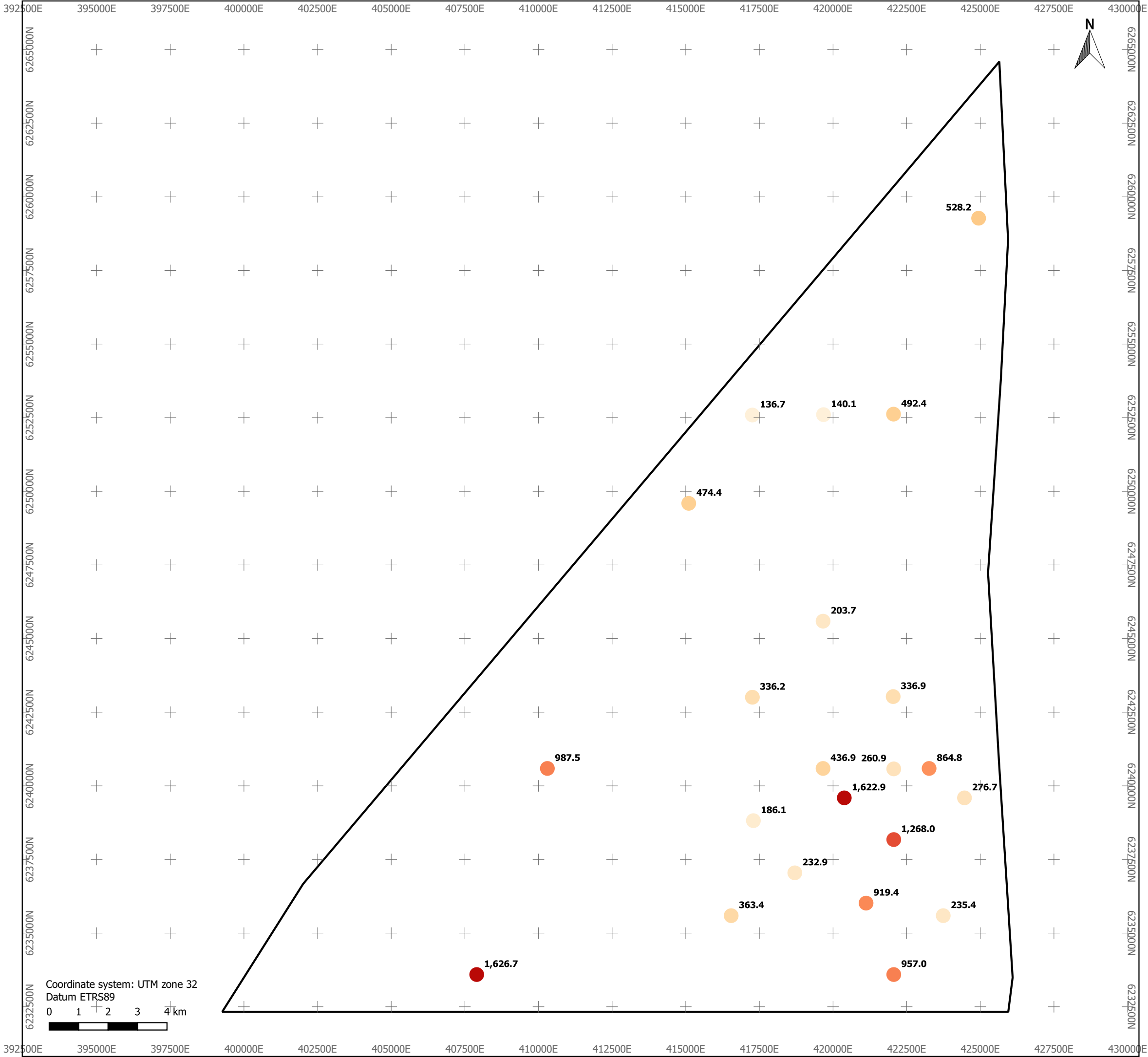
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### Legend

OWF Project site

Undrained shear strength [kPa]

|           |             |             |
|-----------|-------------|-------------|
| 100 - 150 | 850 - 900   | 1250 - 1300 |
| 150 - 200 | 900 - 950   | 1300 - 1350 |
| 200 - 250 | 950 - 1000  | 1350 - 1400 |
| 250 - 300 | 1000 - 1050 | 1400 - 1450 |
| 300 - 350 | 1050 - 1100 | 1450 - 1500 |
| 350 - 400 | 1100 - 1150 | 1500 - 1550 |
| 400 - 450 | 1150 - 1200 | 1550 - 1600 |
| 450 - 500 | 1200 - 1250 | 1600 - 1650 |
| 500 - 550 |             |             |
| 550 - 600 |             |             |
| 600 - 650 |             |             |
| 650 - 700 |             |             |
| 700 - 750 |             |             |
| 750 - 800 |             |             |
| 800 - 850 |             |             |

### Data source:

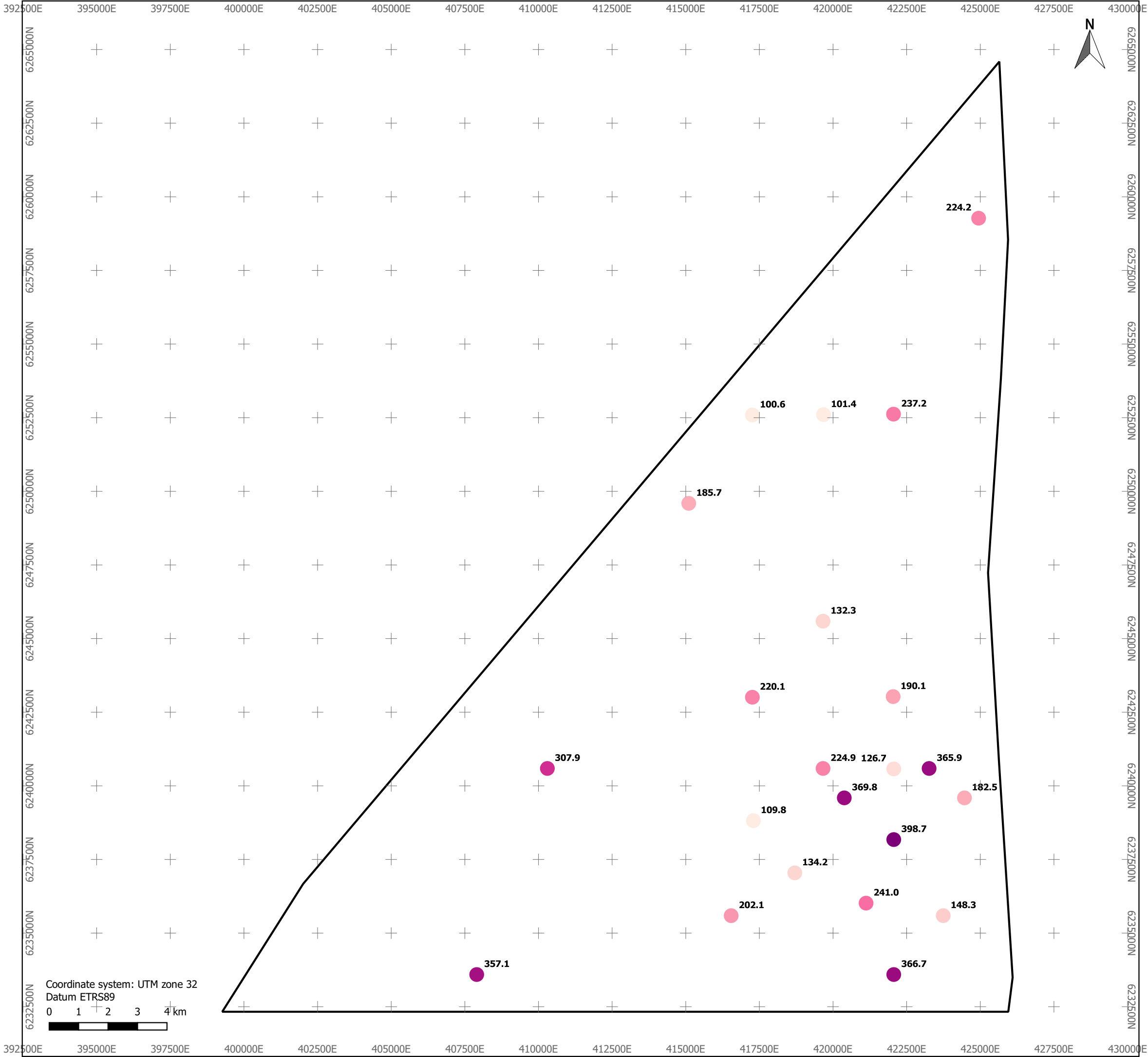
- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020

OWF Project site

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|                                                            |                                           |                                |
|------------------------------------------------------------|-------------------------------------------|--------------------------------|
| Gc Till – Undrained shear strength                         | ATR no.<br>Drawing<br>Control<br>Approved | A205839<br>KAKT<br>OFN<br>LOKL |
| Document                                                   | Scale<br>Date                             | 1:125,000<br>2021.01.21        |
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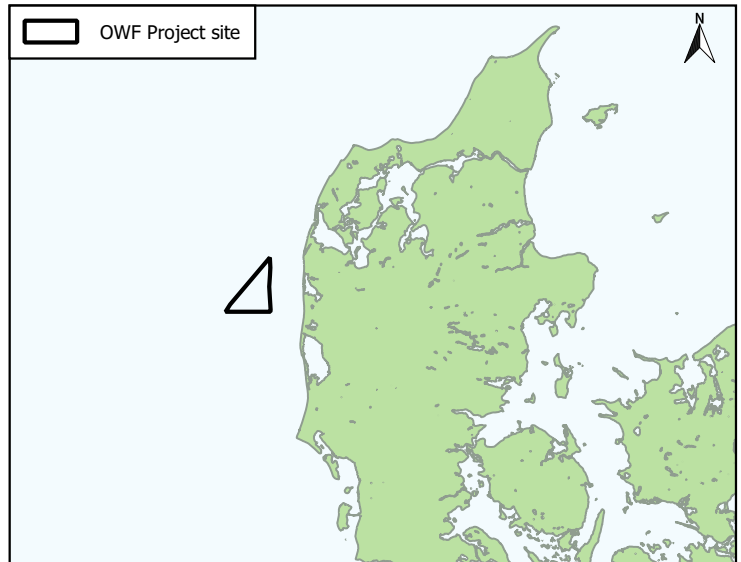
OWF Project site

Small-strain shear modulus [MPa]

|           |           |
|-----------|-----------|
| 100 - 110 | 250 - 260 |
| 110 - 120 | 260 - 270 |
| 120 - 130 | 270 - 280 |
| 130 - 140 | 280 - 290 |
| 140 - 150 | 290 - 300 |
| 150 - 160 | 300 - 310 |
| 160 - 170 | 310 - 320 |
| 170 - 180 | 320 - 330 |
| 180 - 190 | 330 - 340 |
| 190 - 200 | 340 - 350 |
| 200 - 210 | 350 - 360 |
| 210 - 220 | 360 - 370 |
| 220 - 230 | 370 - 380 |
| 230 - 240 | 380 - 390 |
| 240 - 250 | 390 - 400 |

## Data source:

- OWF project site: Energinet, 2020
- CPT/SCPT data: GEO, 2020



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Gc Till – Small-strain shear modulus

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