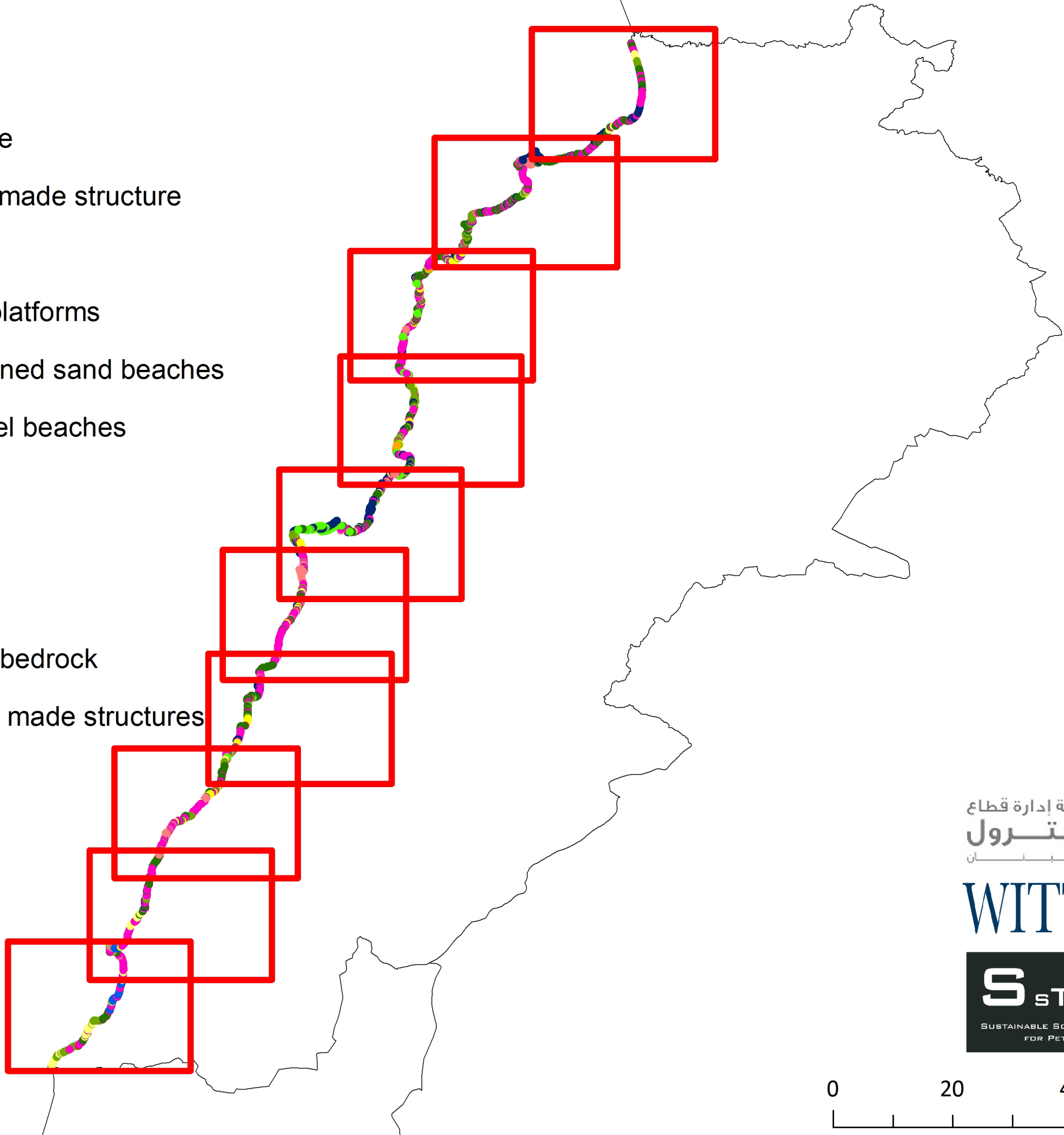


Shoreline Environmental Sensitivity Index

Legend

- ESI**
- 1A: Exposed rocky shore
 - 1B: Exposed solid man-made structure
 - 1C: Exposed rocky cliffs
 - 2A: Exposed wave cut platforms
 - 3A: Fine to medium grained sand beaches
 - 5: Mixed sand and gravel beaches
 - 6A: Gravel beaches
 - 6B: Riprap structures
 - 7: Exposed tidal flats
 - 8A: Sheltered scarps in bedrock
 - 8B: Sheltered solid man made structures
 - 8C: Sheltered riprap

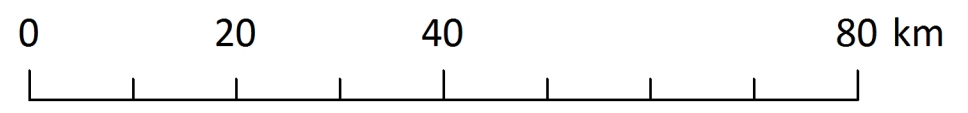


هيئة إدارة قطاع
البتترول
لبنان

LEBANESE
PETROLEUM
ADMINISTRATION

WITT|O'BRIEN'S

S_sTEPS
SUSTAINABLE SOLUTIONS & TECHNOLOGIES
FOR PETROLEUM SERVICES



Shoreline Environmental Sensitivity Index

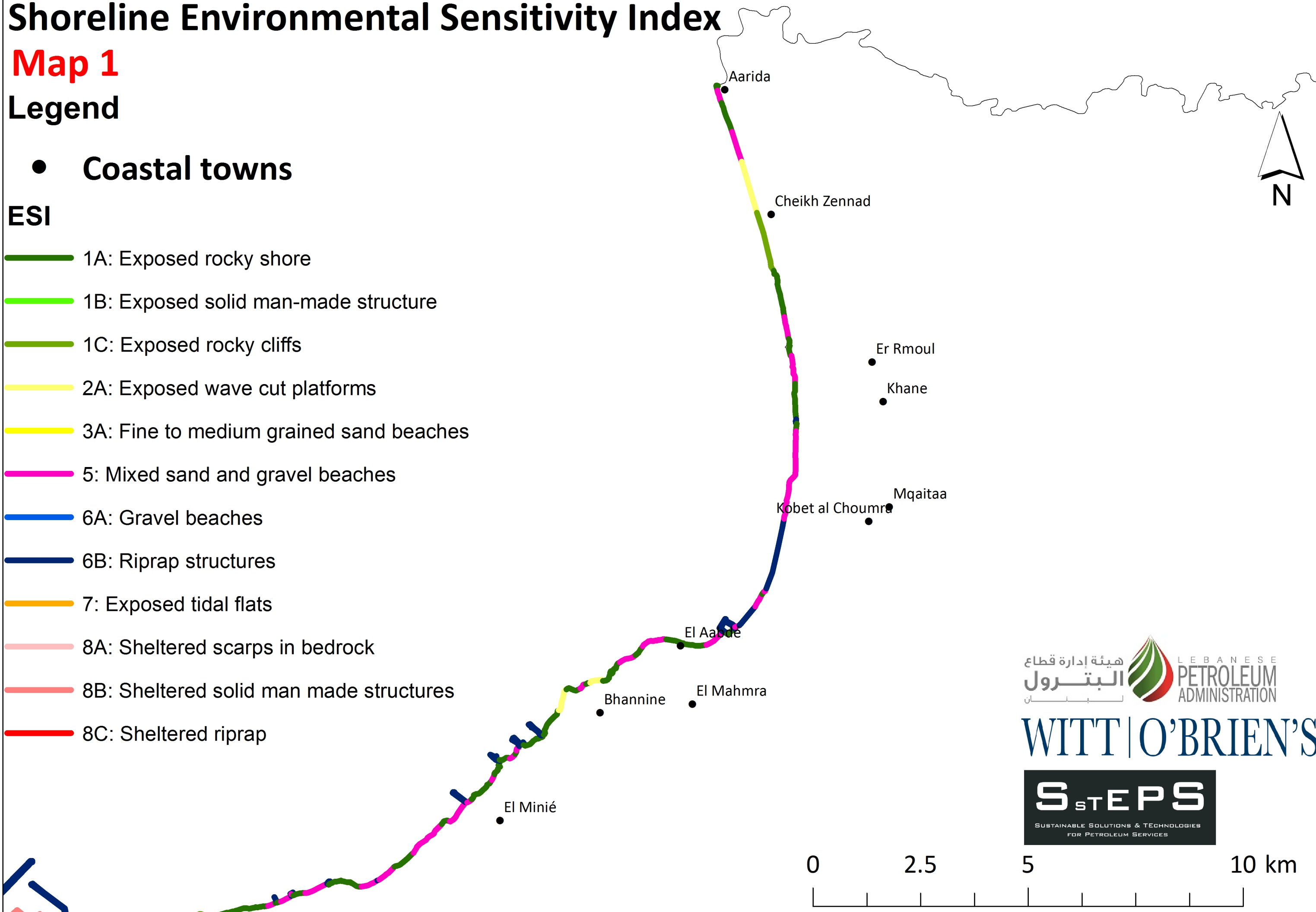
Map 1

Legend

● Coastal towns

ESI

-  1A: Exposed rocky shore
-  1B: Exposed solid man-made structure
-  1C: Exposed rocky cliffs
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-  5: Mixed sand and gravel beaches
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هيئة إدارة قطاع
البتترول
الليبياني



LEBANESE
PETROLEUM
ADMINISTRATION

WITT|O'BRIEN'S

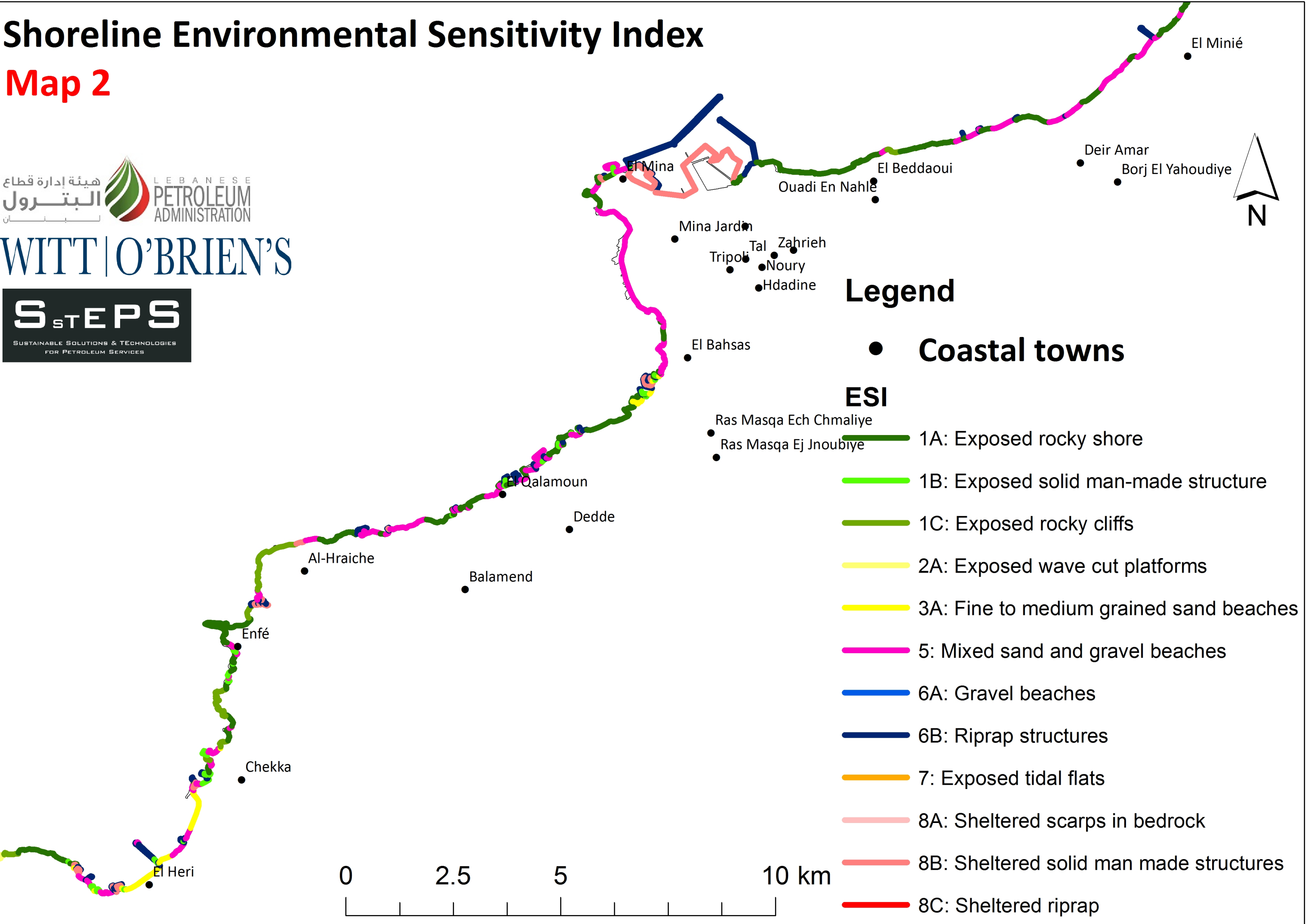
S_sT E P S
SUSTAINABLE SOLUTIONS & TECHNOLOGIES
FOR PETROLEUM SERVICES

Shoreline Environmental Sensitivity Index

Map 2



WITT | O'BRIEN'S

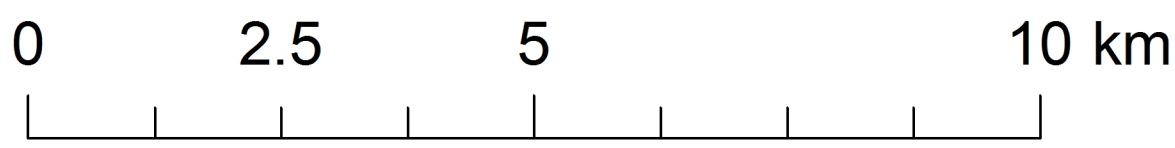


Legend

● Coastal towns

ESI

- 1A: Exposed rocky shore
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- 1C: Exposed rocky cliffs
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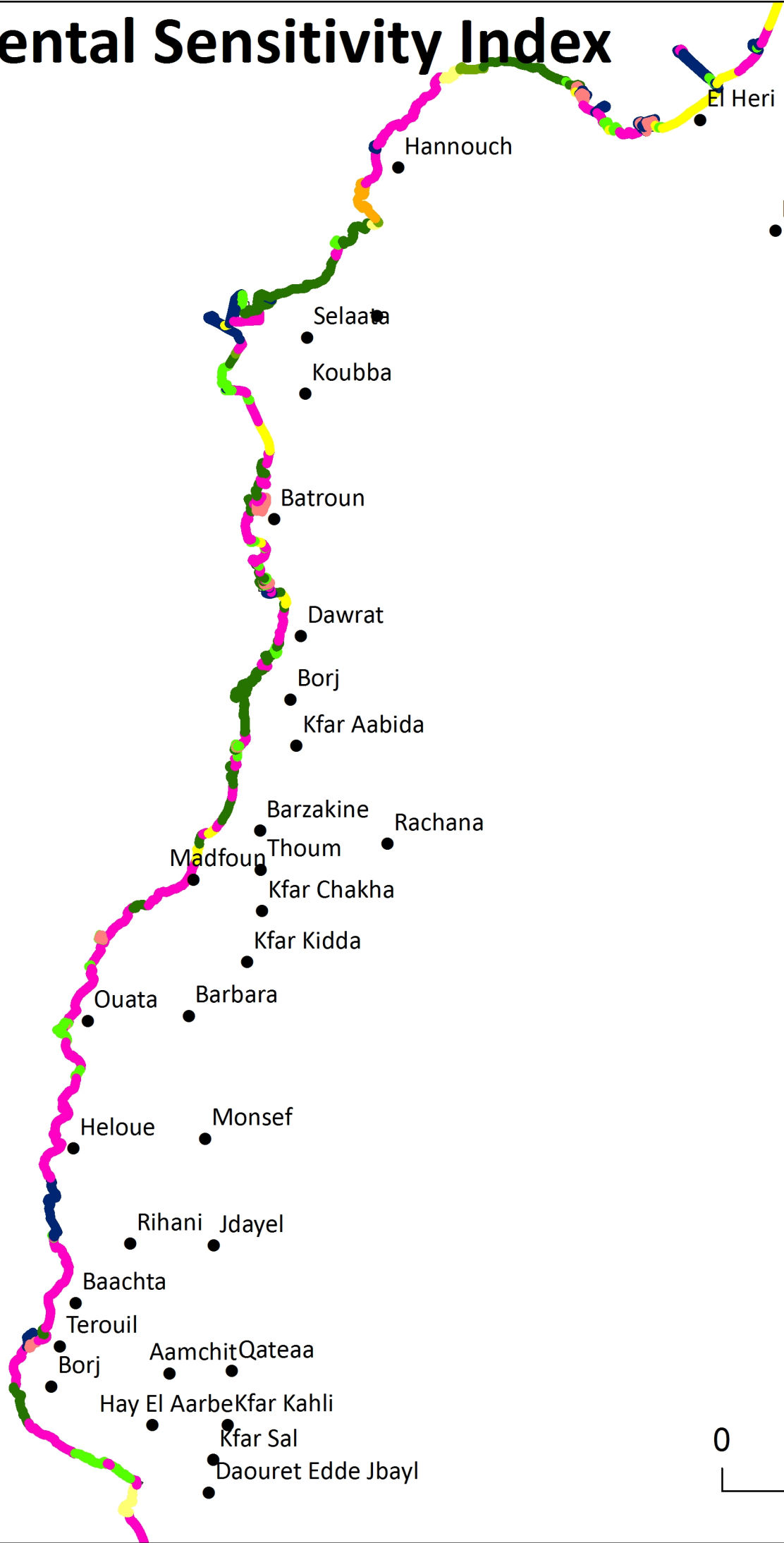
Coastal towns labeled on the map include: El Mina, Ouadi En Nahle, El Beddaoui, Deir Amar, Borj El Yahoudiye, El Minié, Mina Jardn, Tripoli, Tal, Zahrieh, Noury, Hdadine, El Bahsas, Ras Masqa Ech Chmaliye, Ras Masqa Ej Jnoubiye, Qalamoun, Dedde, Al-Hraiche, Balamend, Enfé, Chekka, and El Heri.

Shoreline Environmental Sensitivity Index

Map 3



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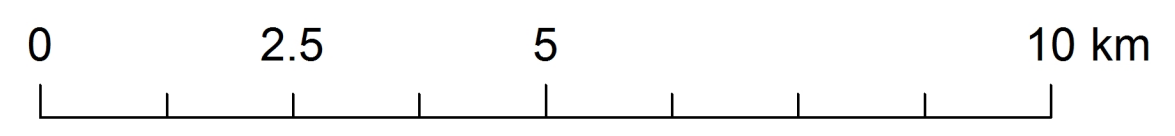
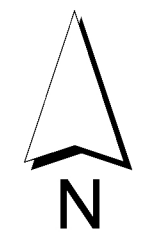


Legend

● Coastal towns

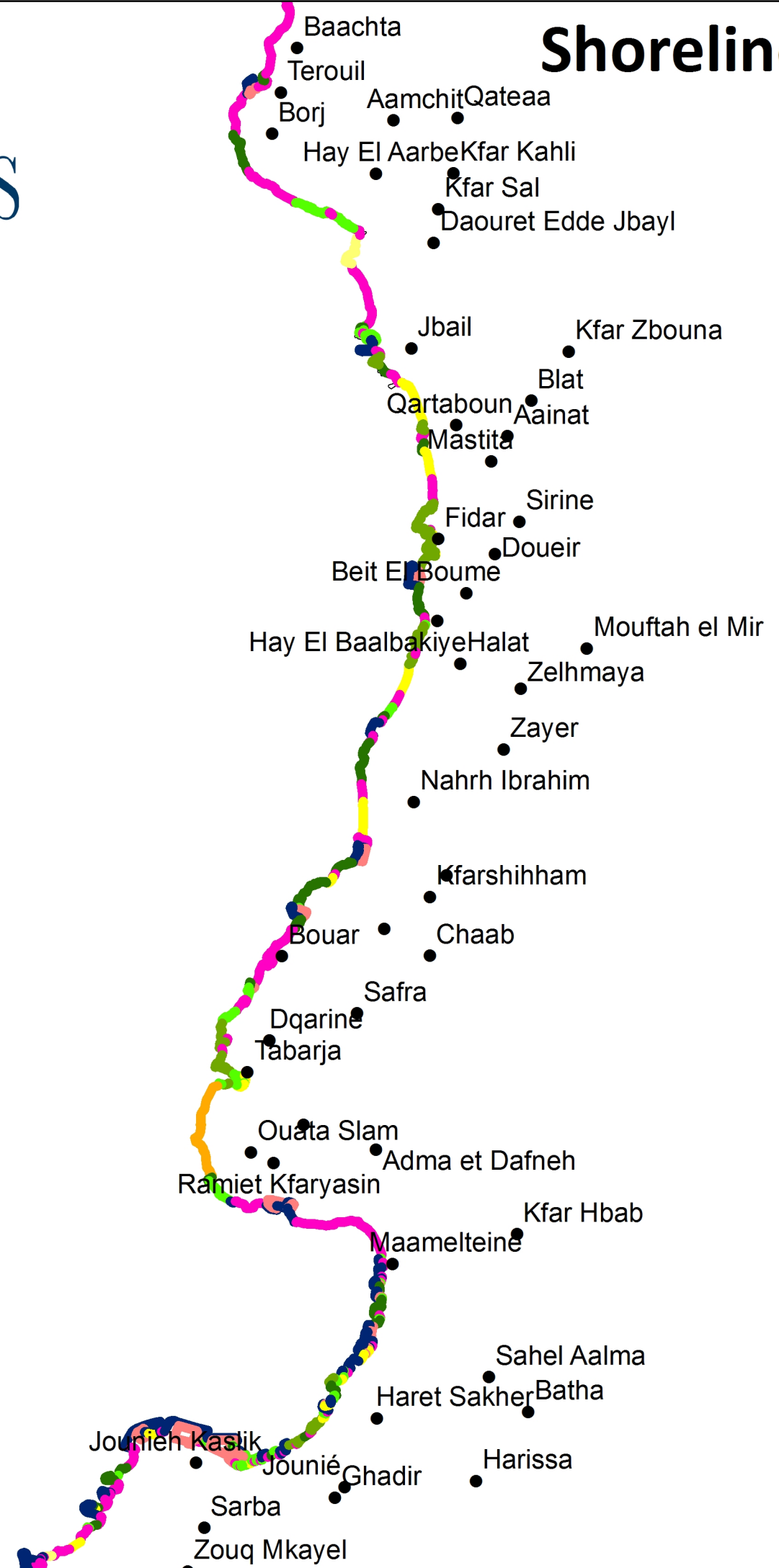
ESI

- 1A: Exposed rocky shore
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- 1C: Exposed rocky cliffs
- 2A: Exposed wave cut platforms
- 3A: Fine to medium grained sand beaches
- 5: Mixed sand and gravel beaches
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- 7: Exposed tidal flats
- 8A: Sheltered scarps in bedrock
- 8B: Sheltered solid man made structures
- 8C: Sheltered riprap



Shoreline Environmental Sensitivity Index

Map 4

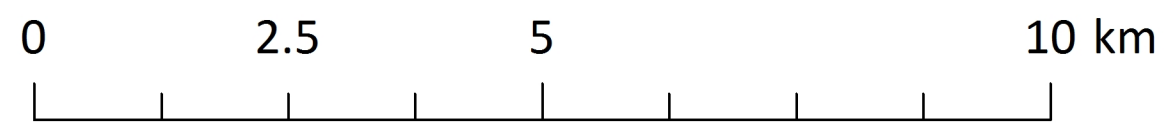


Legend

● Coastal towns

ESI

- 1A: Exposed rocky shore
- 1B: Exposed solid man-made structure
- 1C: Exposed rocky cliffs
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- 8C: Sheltered riprap

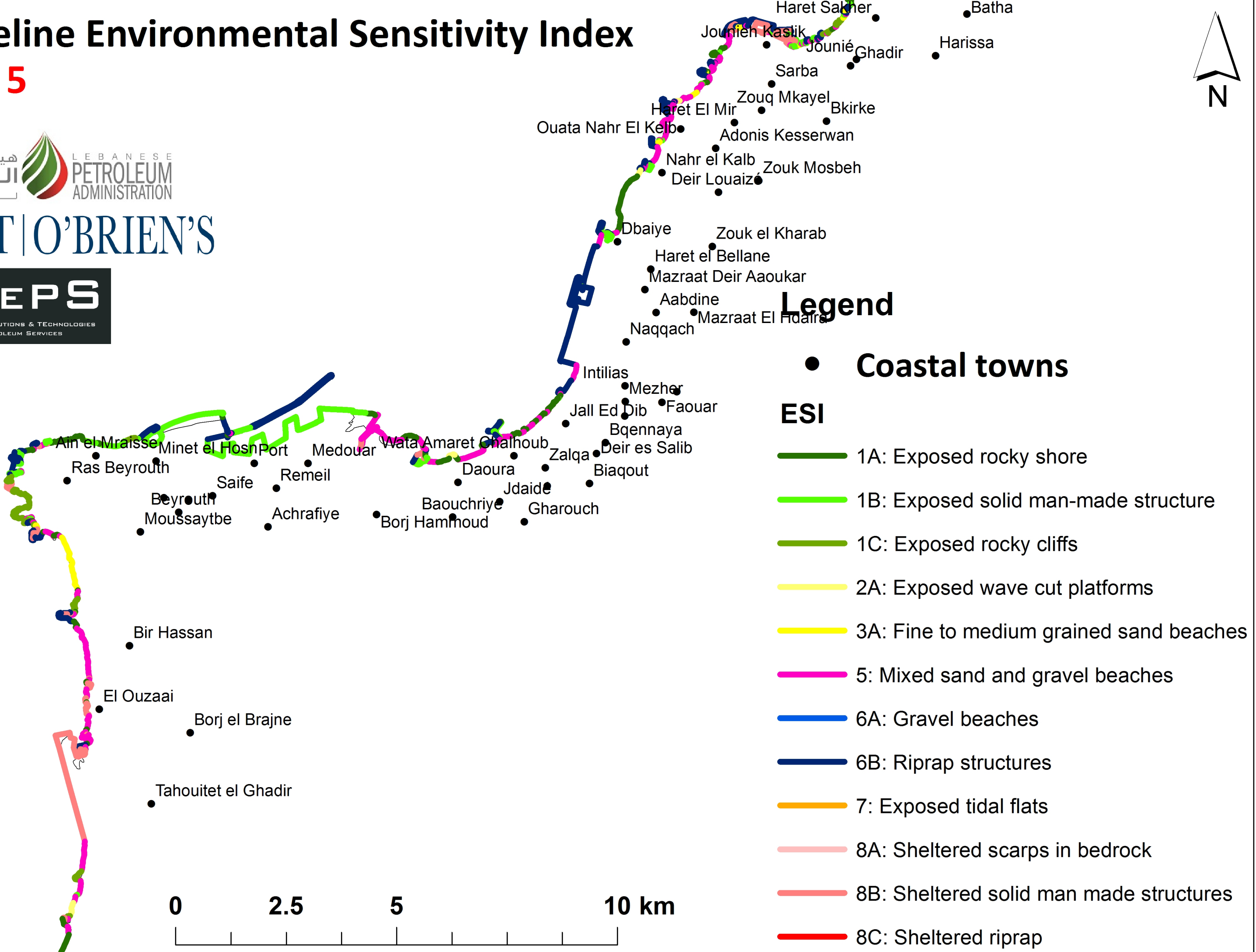
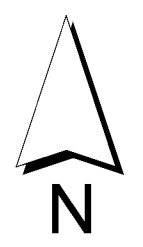


Shoreline Environmental Sensitivity Index

Map 5



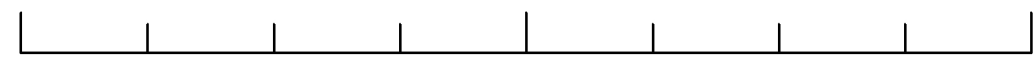
WITT | O'BRIEN'S



Legend

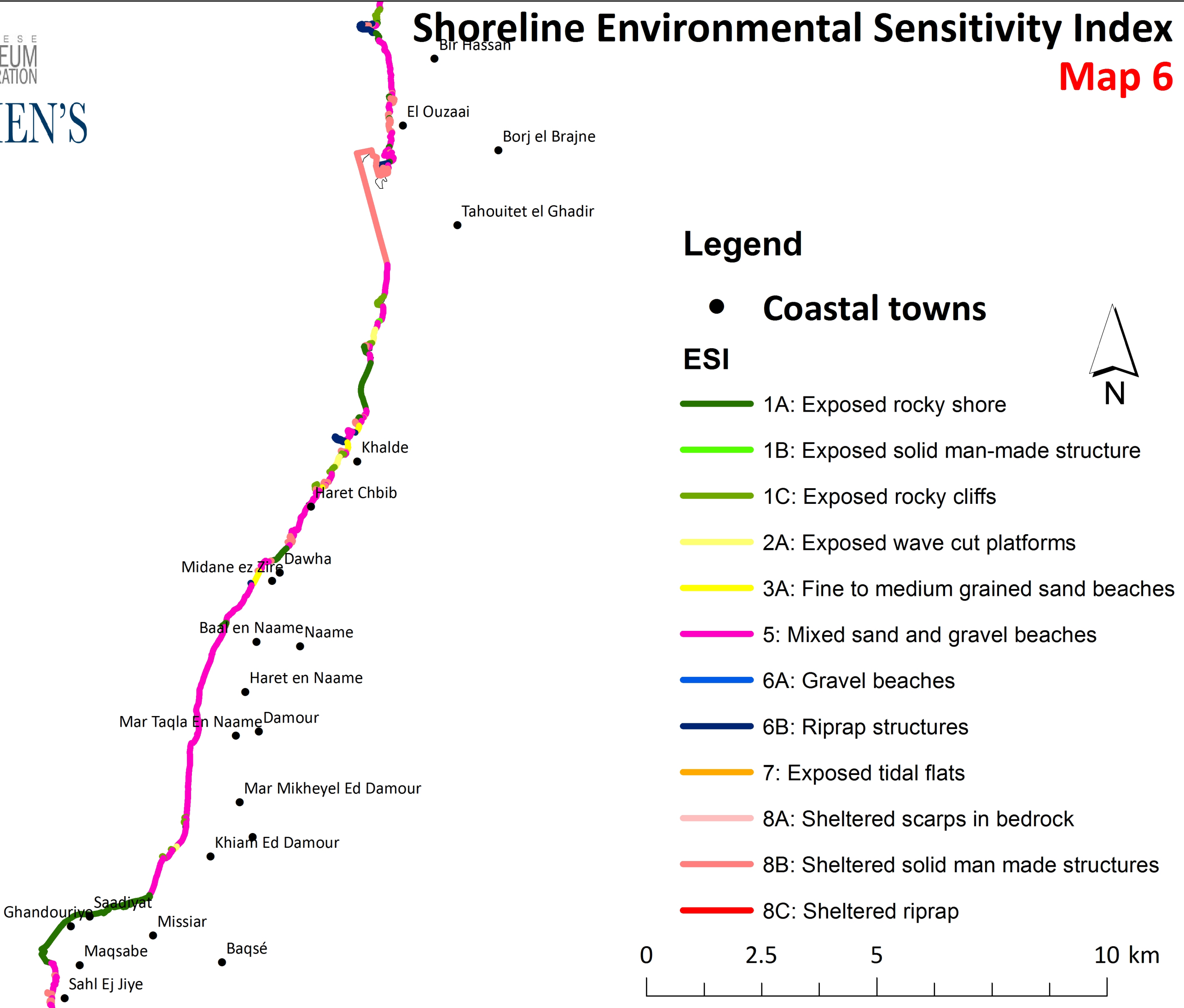
- Coastal towns
- ESI**
- 1A: Exposed rocky shore
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- 1C: Exposed rocky cliffs
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- 8A: Sheltered scarps in bedrock
- 8B: Sheltered solid man made structures
- 8C: Sheltered riprap

0 2.5 5 10 km



Shoreline Environmental Sensitivity Index

Map 6

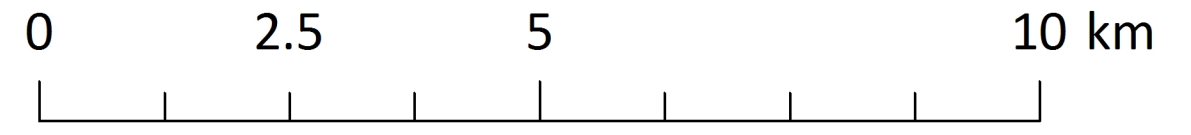
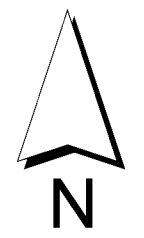


Legend

● Coastal towns

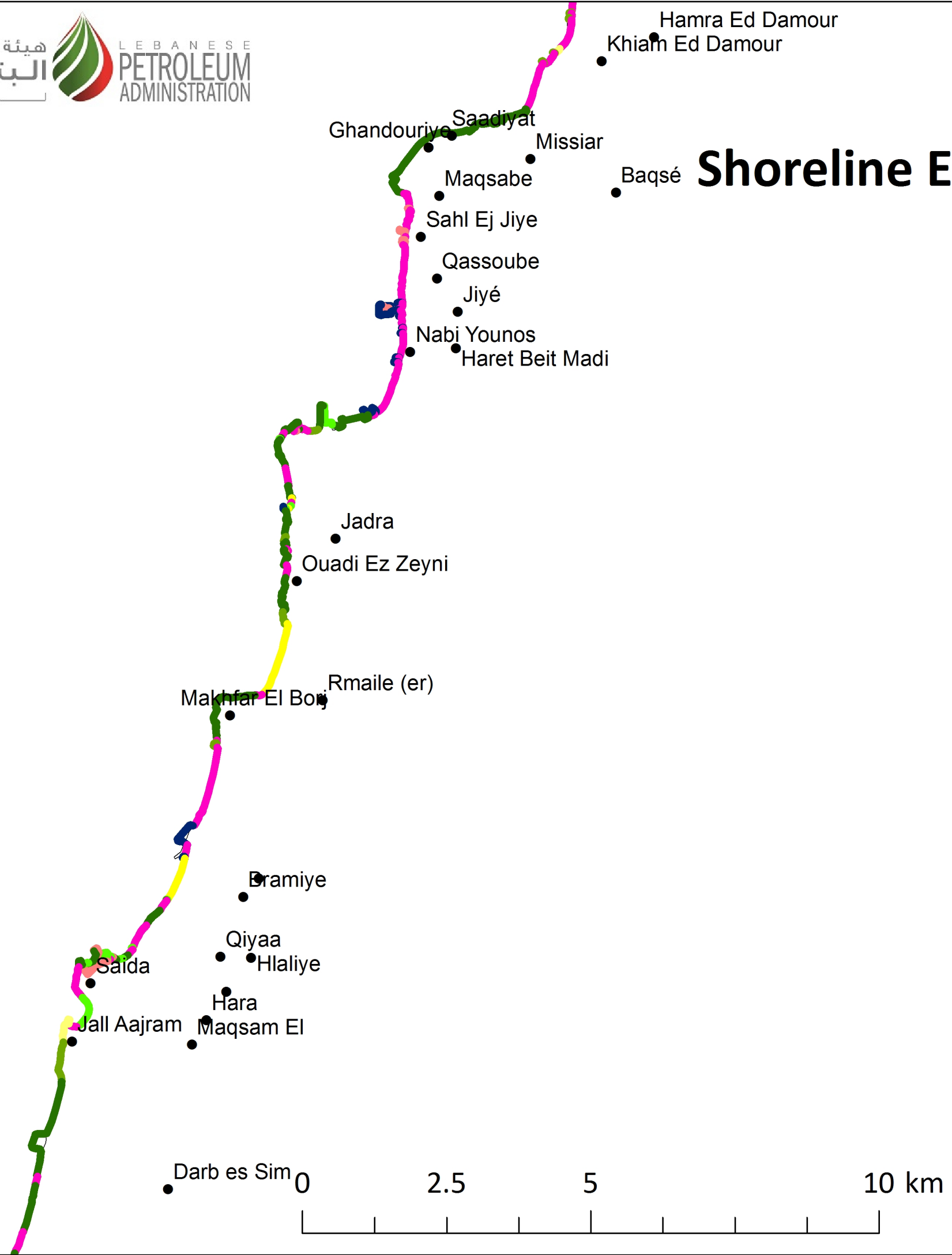
ESI

- 1A: Exposed rocky shore
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- 7: Exposed tidal flats
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Shoreline Environmental Sensitivity Index

Map 7

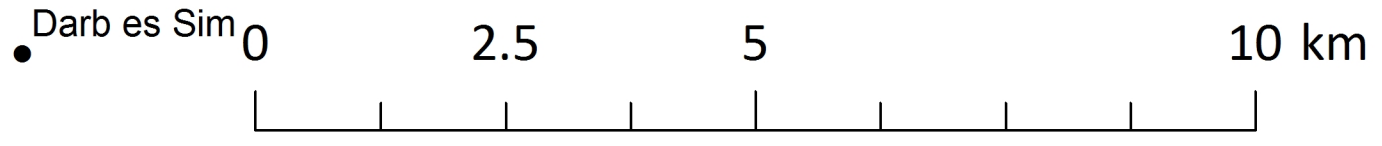


Legend

● Coastal towns

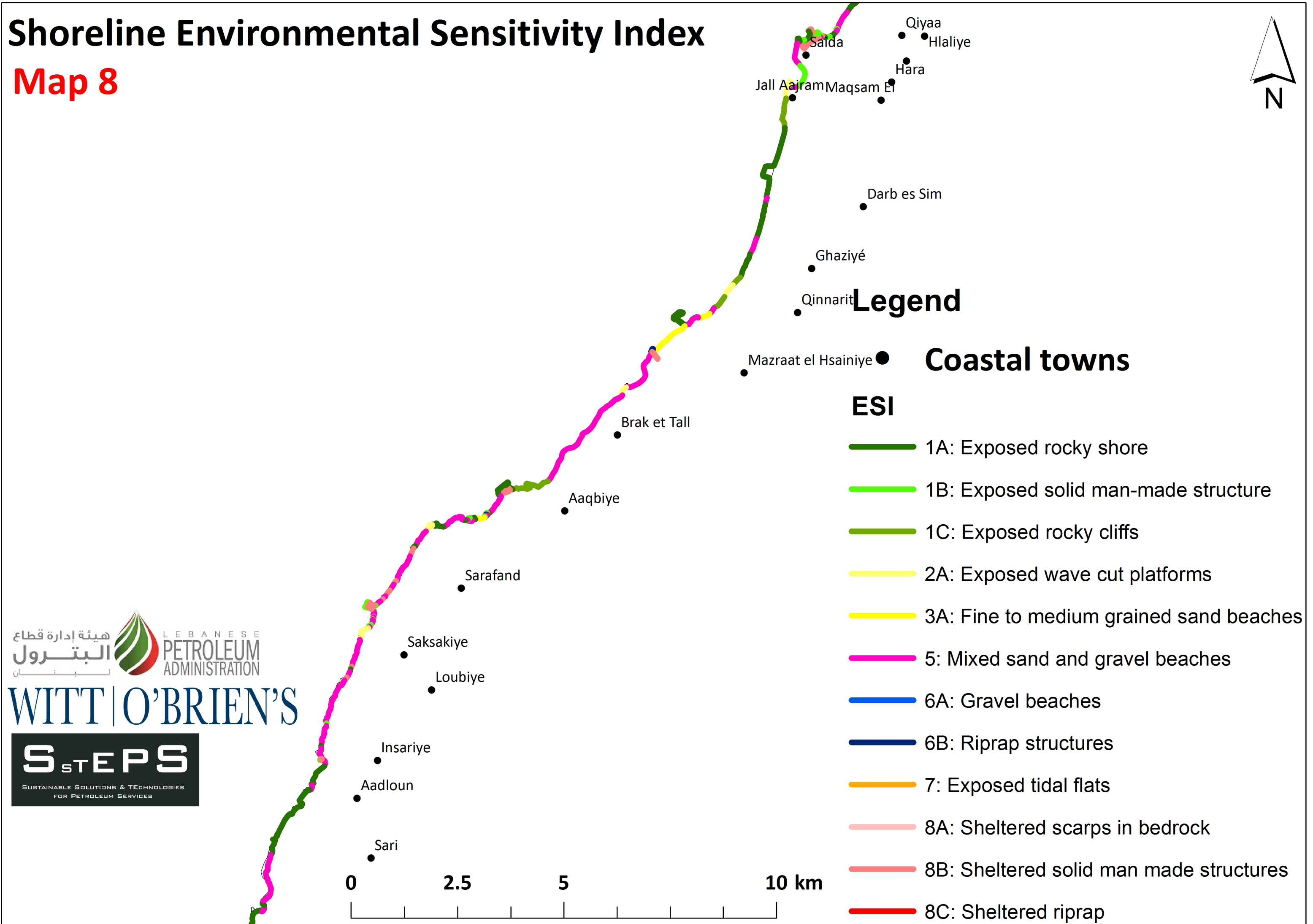
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Shoreline Environmental Sensitivity Index

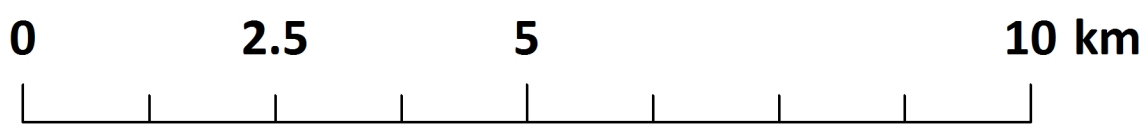
Map 8



هيئة إدارة قطاع البترول
LEBANESE PETROLEUM ADMINISTRATION

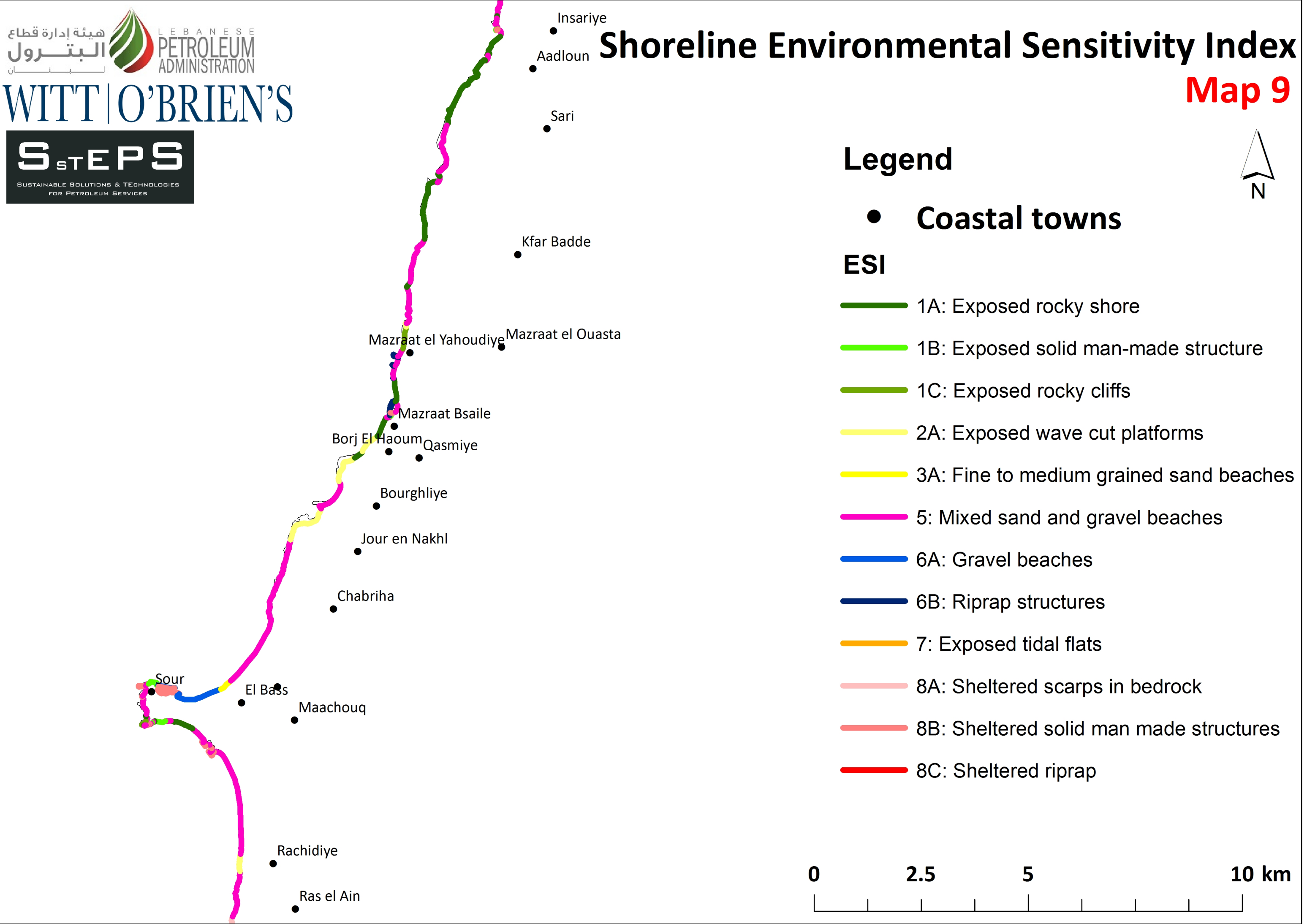
WITT|O'BRIEN'S

S_{STEPS}
SUSTAINABLE SOLUTIONS & TECHNOLOGIES FOR PETROLEUM SERVICES



Shoreline Environmental Sensitivity Index

Map 9

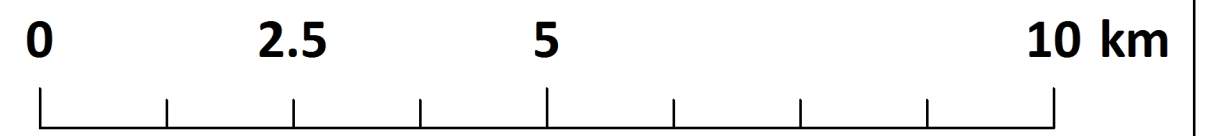


Legend

● Coastal towns

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Shoreline Environmental Sensitivity Index

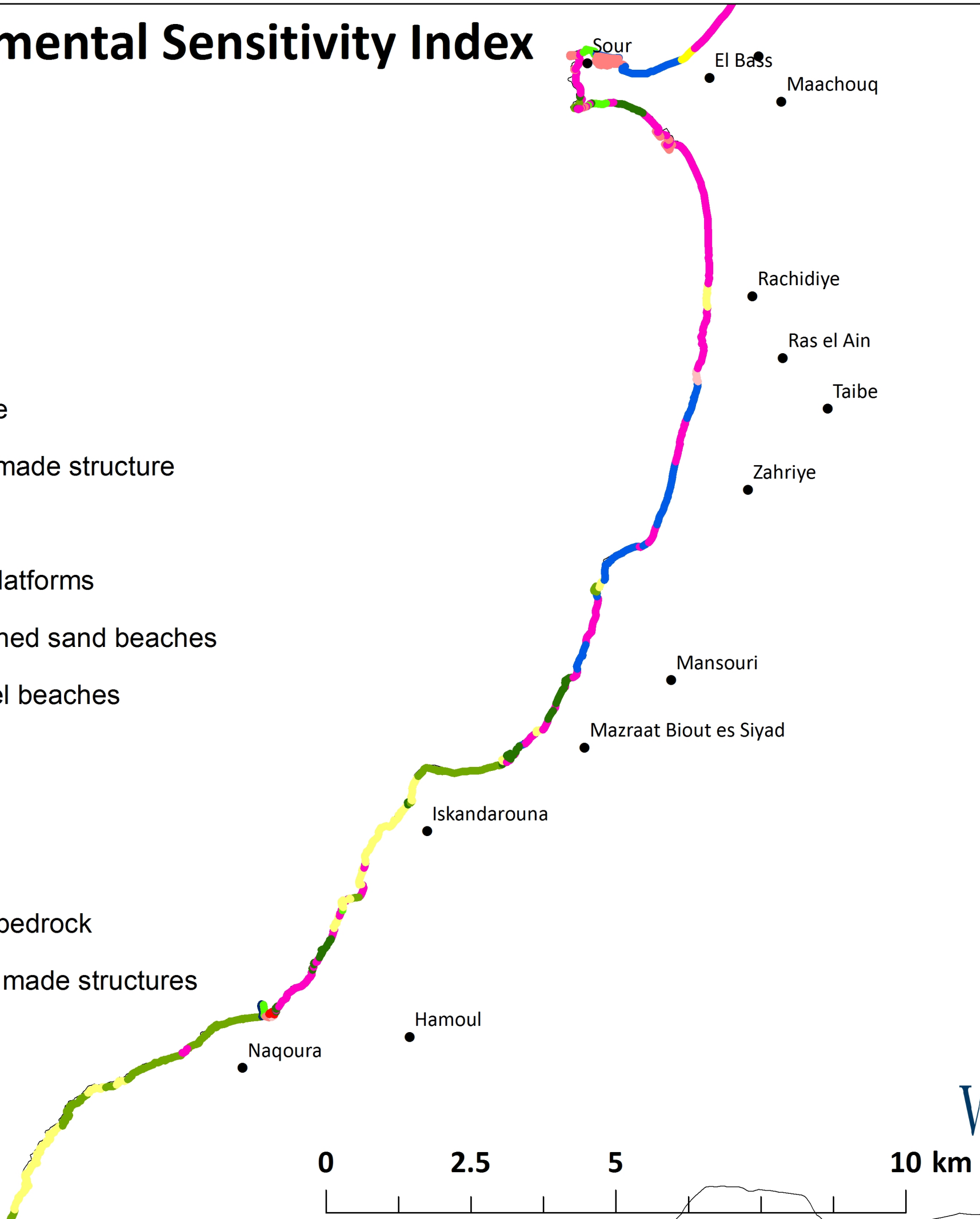
Map 10

Legend

● Coastal towns

ESI

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