

Facilities Planning Model Assessment of
Swimming Pool Provision for
Southend-on-Sea City Council

Layered Maps

5 May 2026

This document has been produced by ORH on behalf of Sport England for Southend-on-Sea City Council on 5 May 2026. This document can be reproduced by Southend-on-Sea City Council, subject to it being used accurately and not in a misleading context. When the document is reproduced in whole or in part within another publication or service, the full title, date, and accreditation to Sport England must be included.

ORH is the trading name of Operational Research in Health Limited, a company registered in England with company number 2676859.

Disclaimer

The information in this report is presented in good faith using the information available to ORH and Sport England at the time of preparation. It is provided on the basis that the authors of the report are not liable to any person or organisation for any damage or loss which may occur in relation to taking, or not taking, action in respect of any information or advice within the document.

Accreditations

Other than data provided by Southend-on-Sea City Council and Sport England, this document also contains data from the following sources:

Ordnance Survey data © Crown copyright and database rights 2026 OS AC0000850566.

National Statistics data © Crown copyright and database right 2026.

Population distribution based on 2021 Census data for output areas. Population total modified by 2022-based Subnational Population Projections for Local Authorities. Adapted from data from the Office for National Statistics licensed under the Open Government Licence v.3.0. London boroughs modified by © GLA 2022-based demographic projections – ward populations, identified capacity scenario.

Index of Multiple Deprivation data contains public sector information licensed under the Open Government Licence v3.0.

Contents

1	Demand for Swimming Pools	1
2	Travel Access to Swimming Pools	8
3	Export of Satisfied Demand and Import of Used Capacity	13
4	Unmet Demand	17
5	Reachable Unmet Demand	21
6	Local Share	25

1 DEMAND FOR SWIMMING POOLS

Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

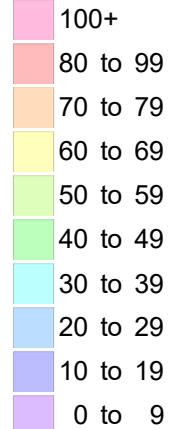
Run 3: Existing Provision with Potential Urban Extension in 2045

Housing Allocations 2045 | Run 2 – Low Growth Scenario

Housing Allocations 2045 | Run 3 – High Growth Scenario

Deprivation 2019

Peak period demand per square kilometre expressed as square metres of water



Swimming pools included in run

◆ Existing swimming pool

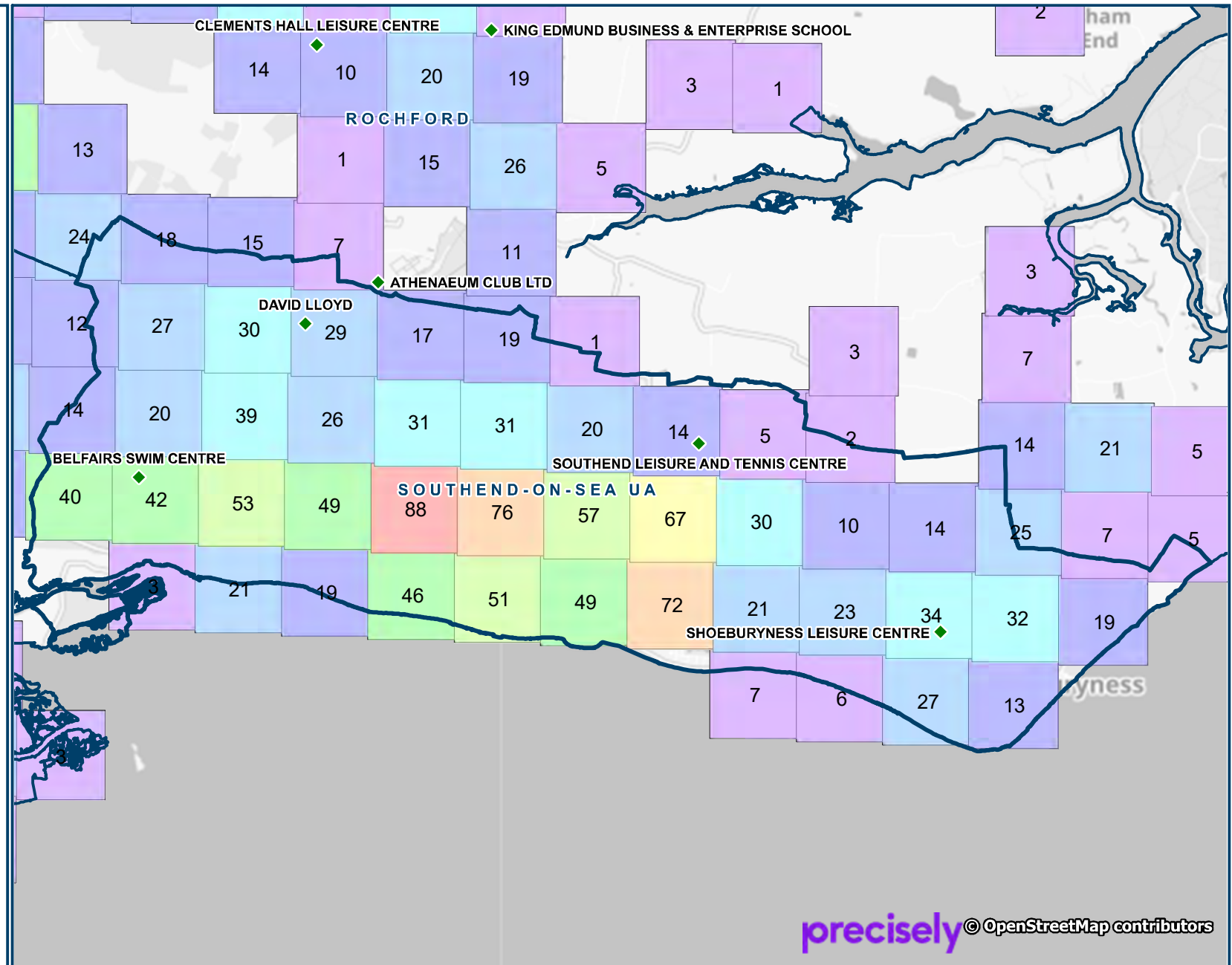
Boundaries

□ Southend-on-Sea

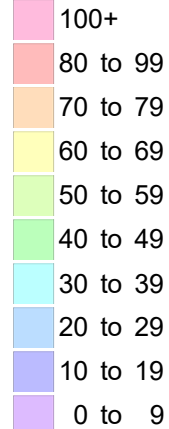
□ Local authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Peak period demand per square kilometre expressed as square metres of water



Swimming pools included in run

◆ Existing swimming pool

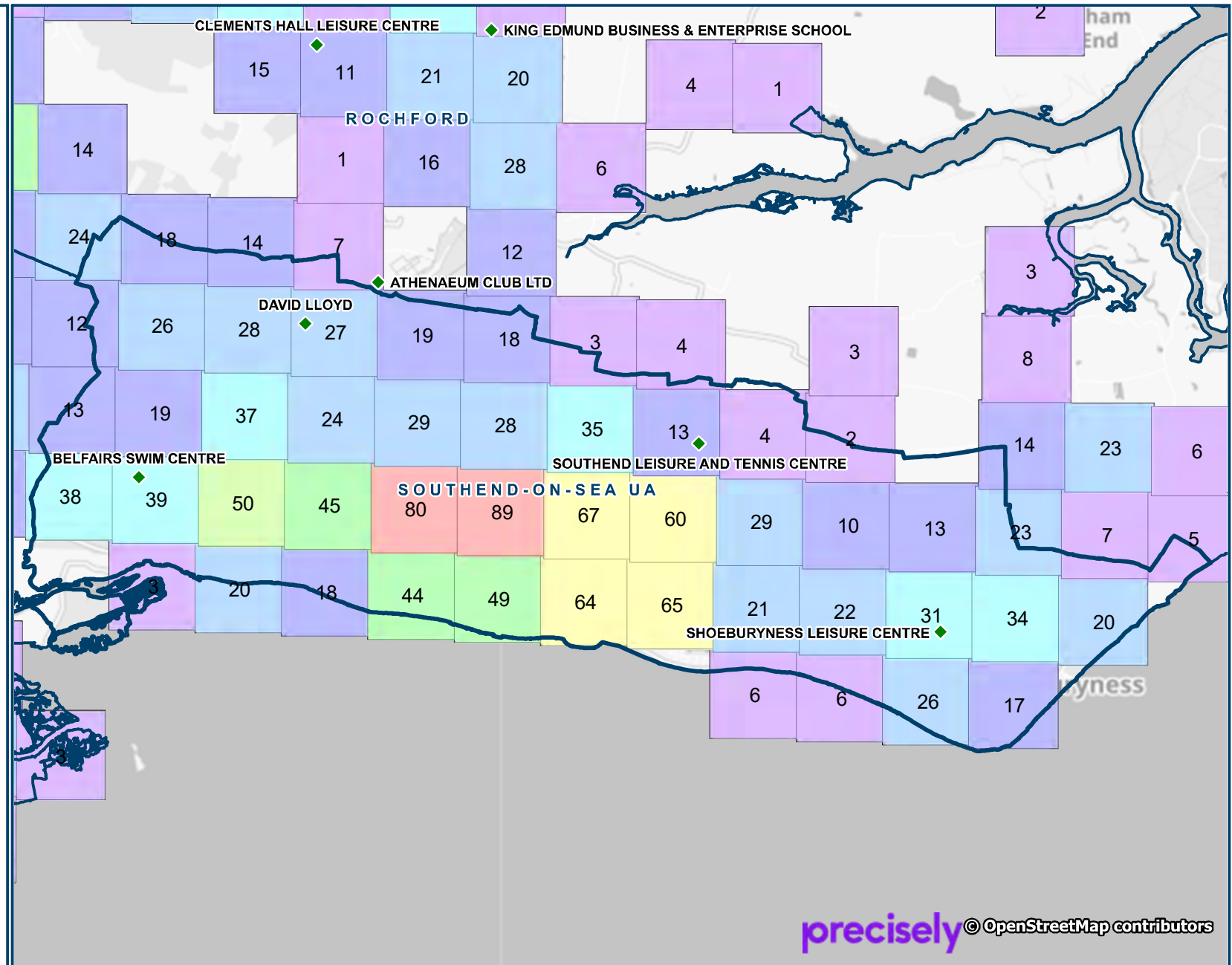
Boundaries

□ Southend-on-Sea

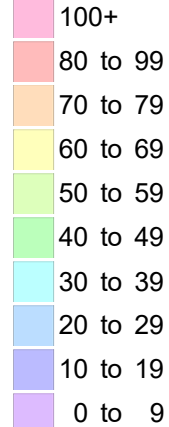
□ Local authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Peak period demand per square kilometre expressed as square metres of water



Swimming pools included in run

◆ Existing swimming pool

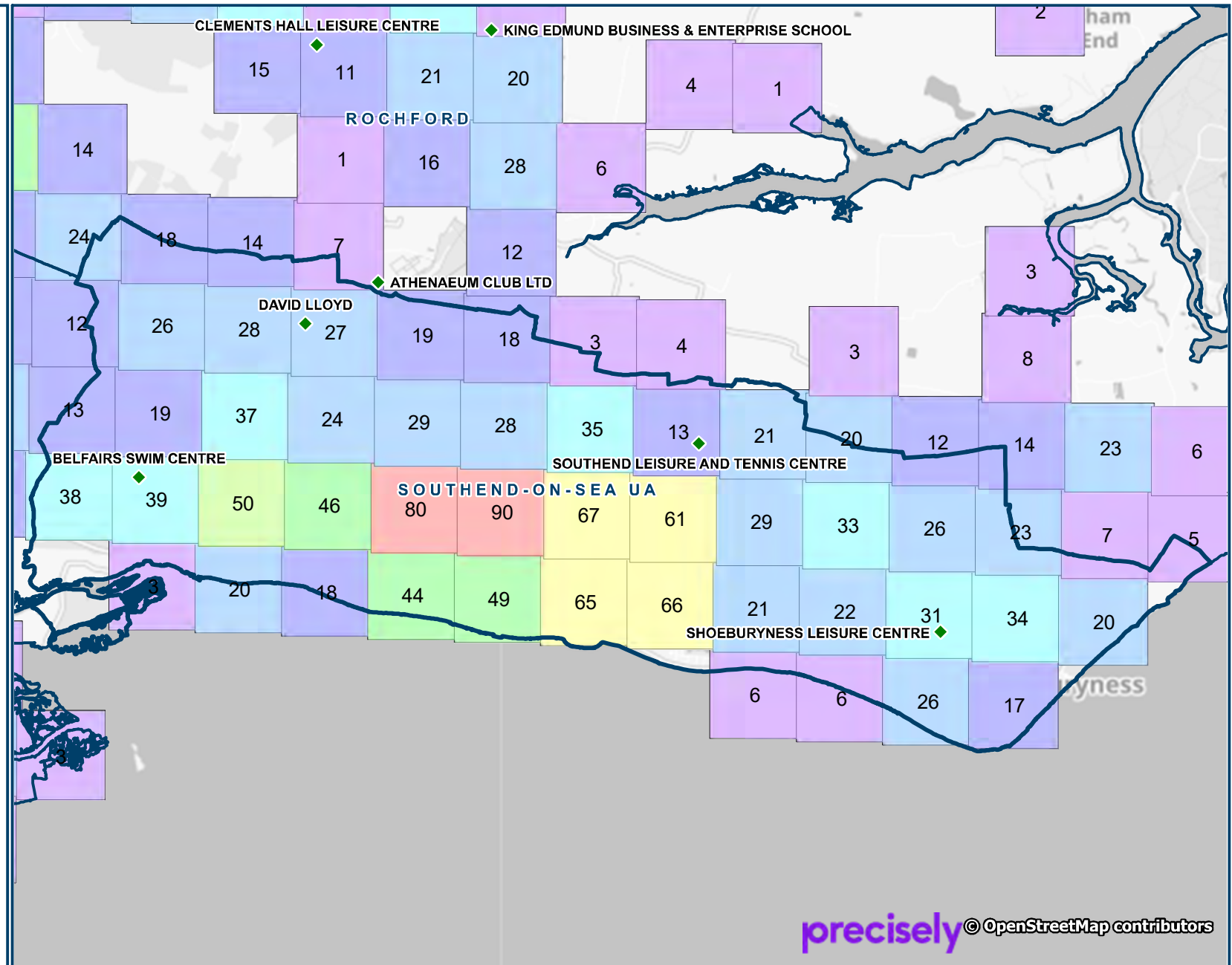
Boundaries

Southend-on-Sea

Local authorities

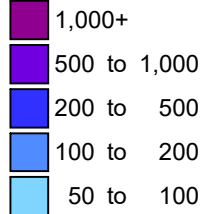
E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Housing sites and allocations supplied by Council.

Housing Allocations (areas over 50 units)



Facilities Included in Runs

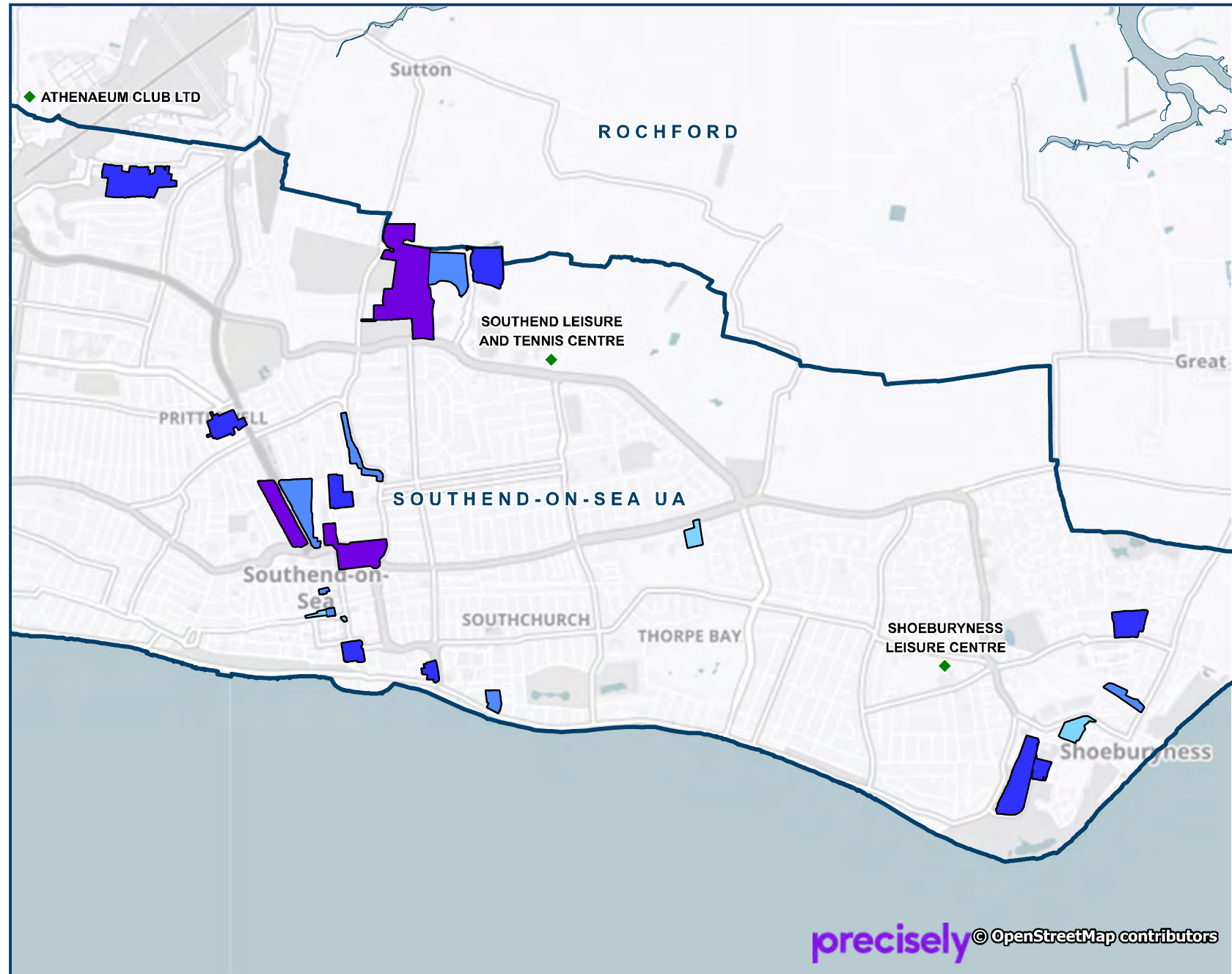
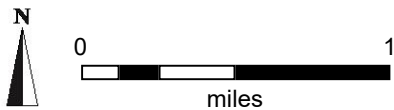
- Existing Swimming Pool Location

Boundaries

- Southend-on-Sea
- Neighbouring Local Authorities

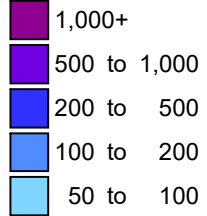
E25_SOS_P1

Additional material © Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Housing sites and allocations supplied by Council.

Housing Allocations (areas over 50 units)



Facilities Included in Runs

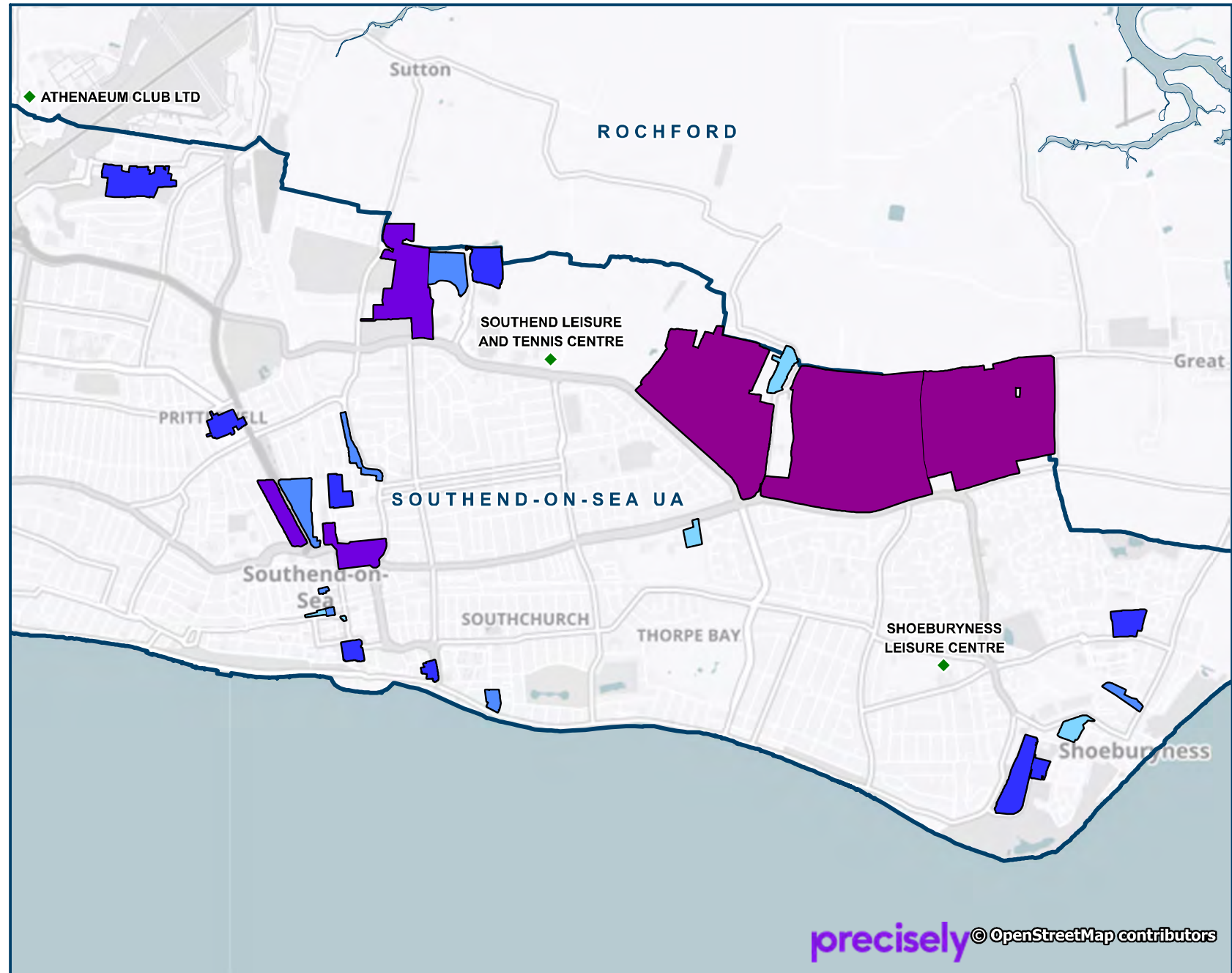
- Existing Swimming Pool Location

Boundaries

- Southend-on-Sea
- Neighbouring Local Authorities

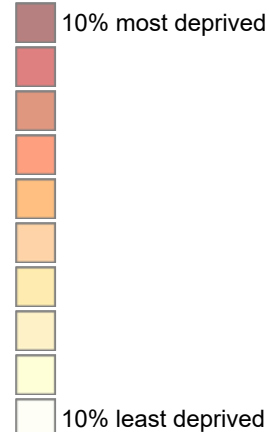
E25_SOS_P1

Additional material © Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Deprivation shown thematically (colours) at lower super output area level by decile.

Index of Multiple Deprivation (2019)



Facilities Included in Runs

◆ Existing Swimming Pools Location

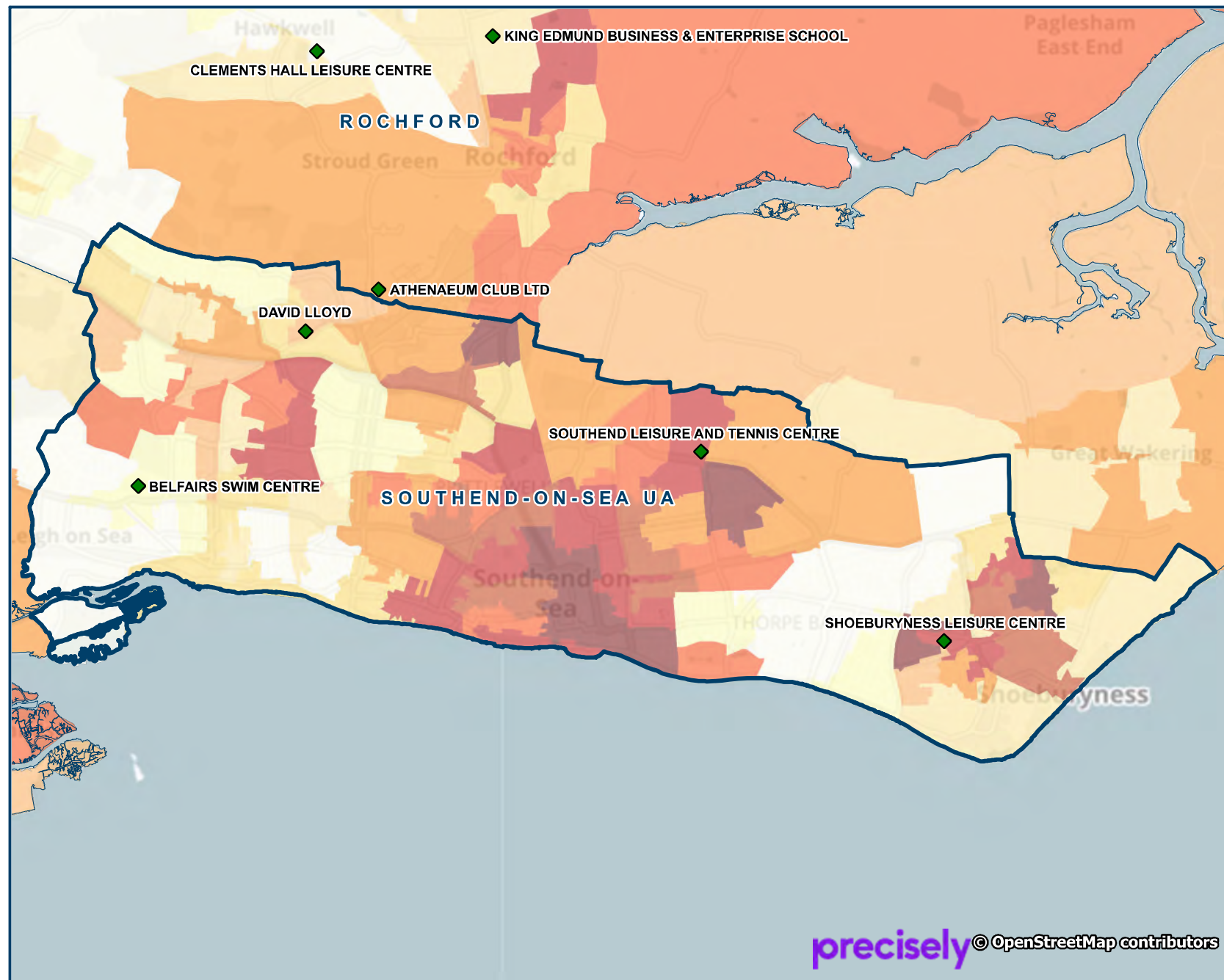
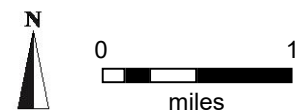
Boundaries

Southend-on-Sea

Neighbouring Local Authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



2 TRAVEL ACCESS TO SWIMMING POOLS

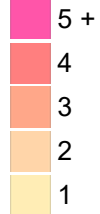
Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

Run 3: Existing Provision with Potential Urban Extension in 2045

Public Transport Access

Number of swimming pool sites within a 20-minute walk time of output area centroids (approx. 1 mile)



Number of swimming pool sites within a 20-minute drive time of output area centroids



Swimming pools included in run

◆ Existing swimming pool

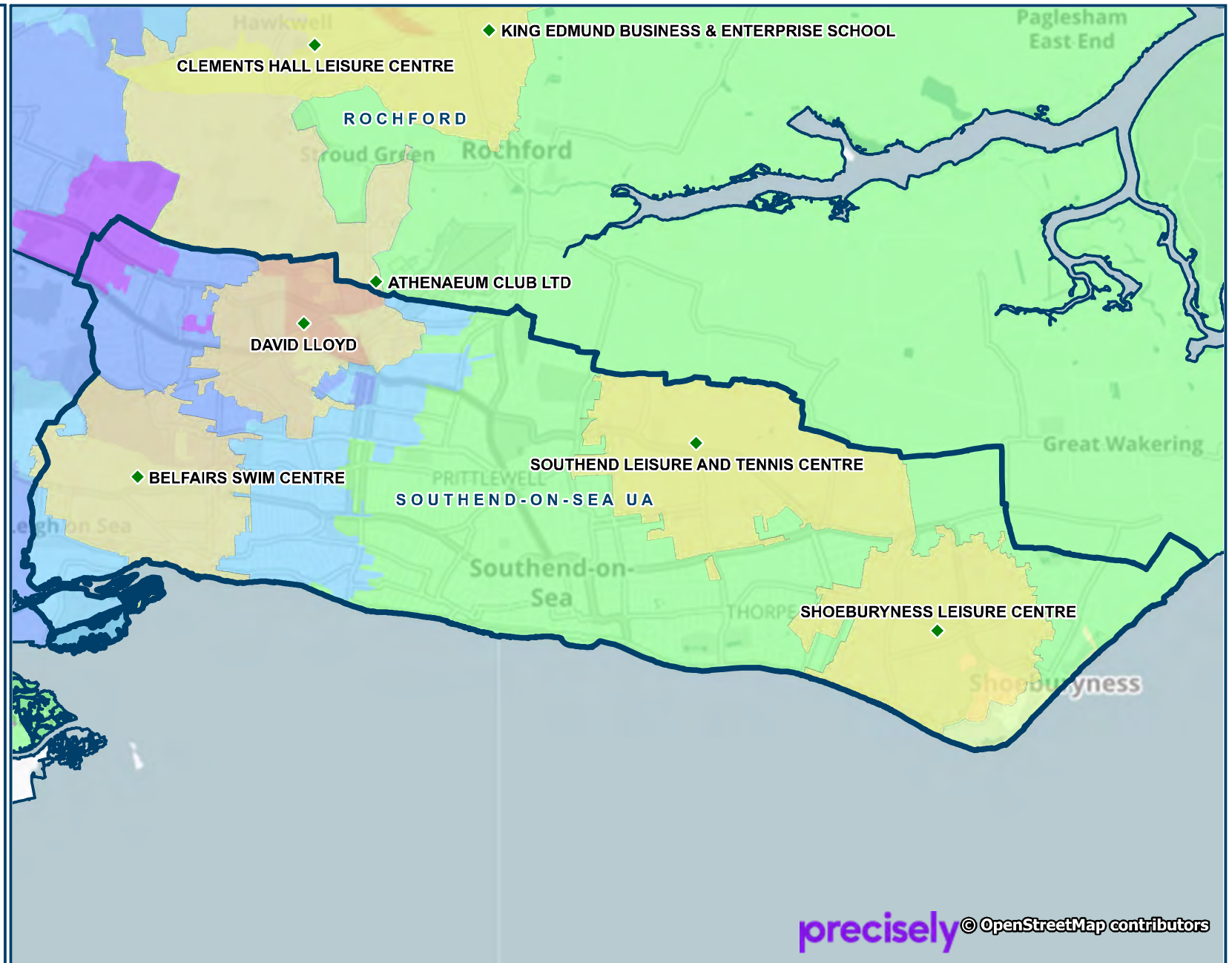
Boundaries

□ Southend-on-Sea boundary

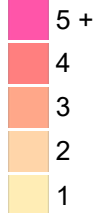
□ Local authority boundaries

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Number of swimming pool sites within a 20-minute walk time of output area centroids (approx. 1 mile)



Number of swimming pool sites within a 20-minute drive time of output area centroids



Swimming pools included in run

◆ Existing swimming pool

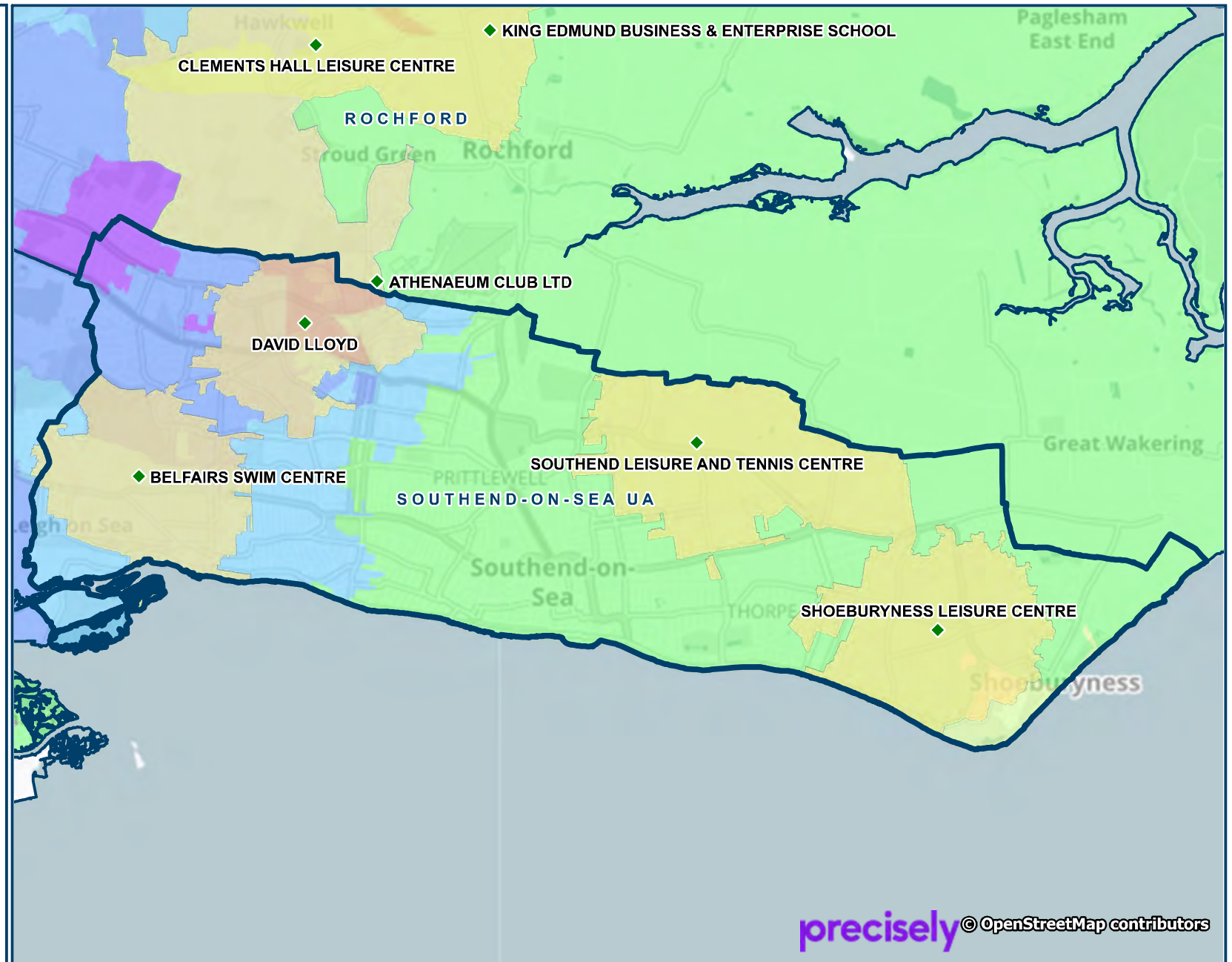
Boundaries

□ Southend-on-Sea boundary

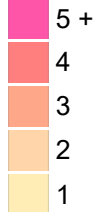
□ Local authority boundaries

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



Number of swimming pool sites within a 20-minute walk time of output area centroids (approx. 1 mile)



Number of swimming pool sites within a 20-minute drive time of output area centroids



Swimming pools included in run

◆ Existing swimming pool

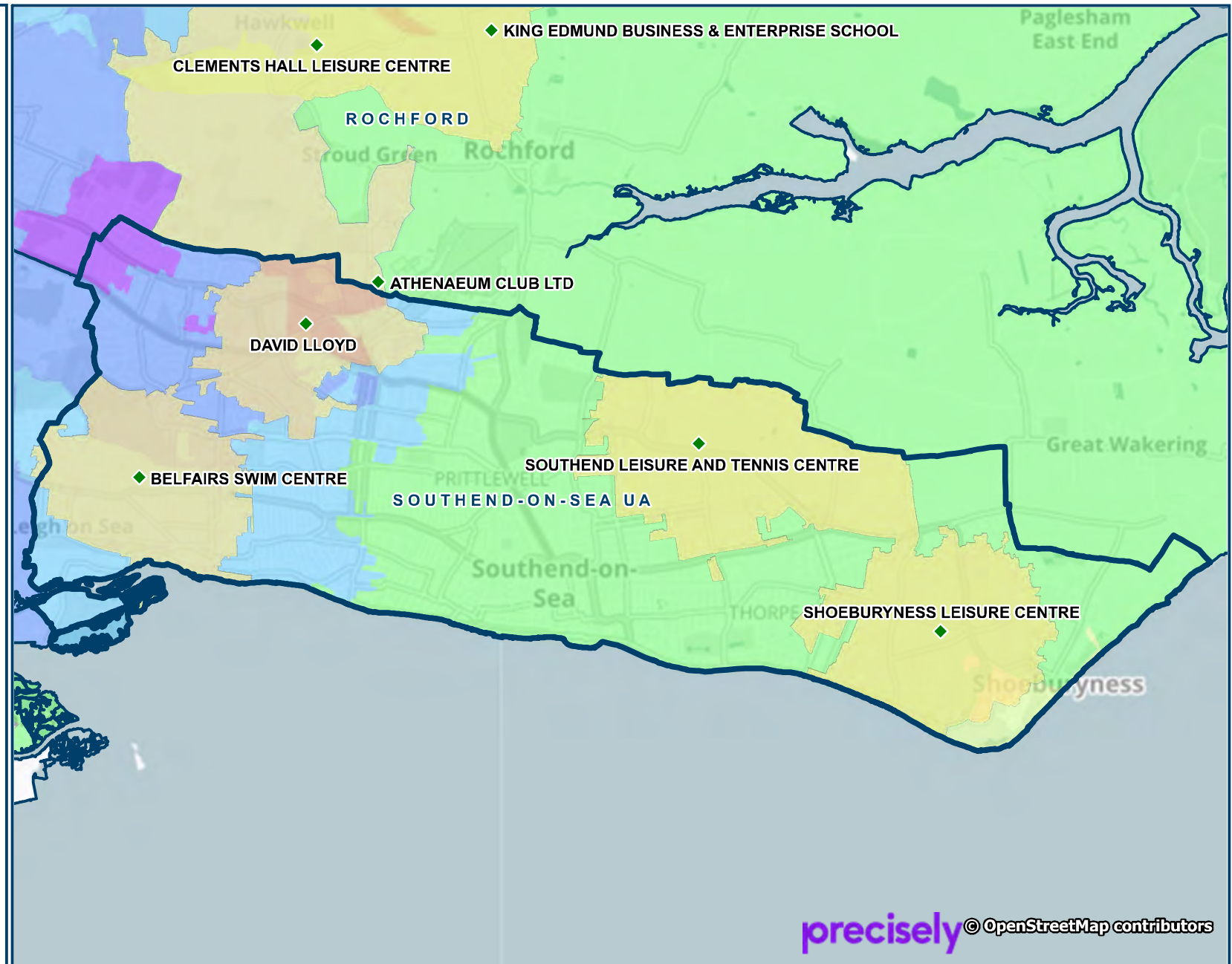
Boundaries

Southend-on-Sea boundary

Local authority boundaries

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and database rights 2026 OS AC0000850566



Areas within walking time shown thematically (colours) from bus, coach and tram stops, and railway, metro and underground stations.

Public Transport

- Railway/Metro/Underground Station

Walk Time from Station

- 5 minutes
- 10 minutes
- 15 minutes

Walk Time from Bus Stop

- 5 minutes

Facilities Included in Runs

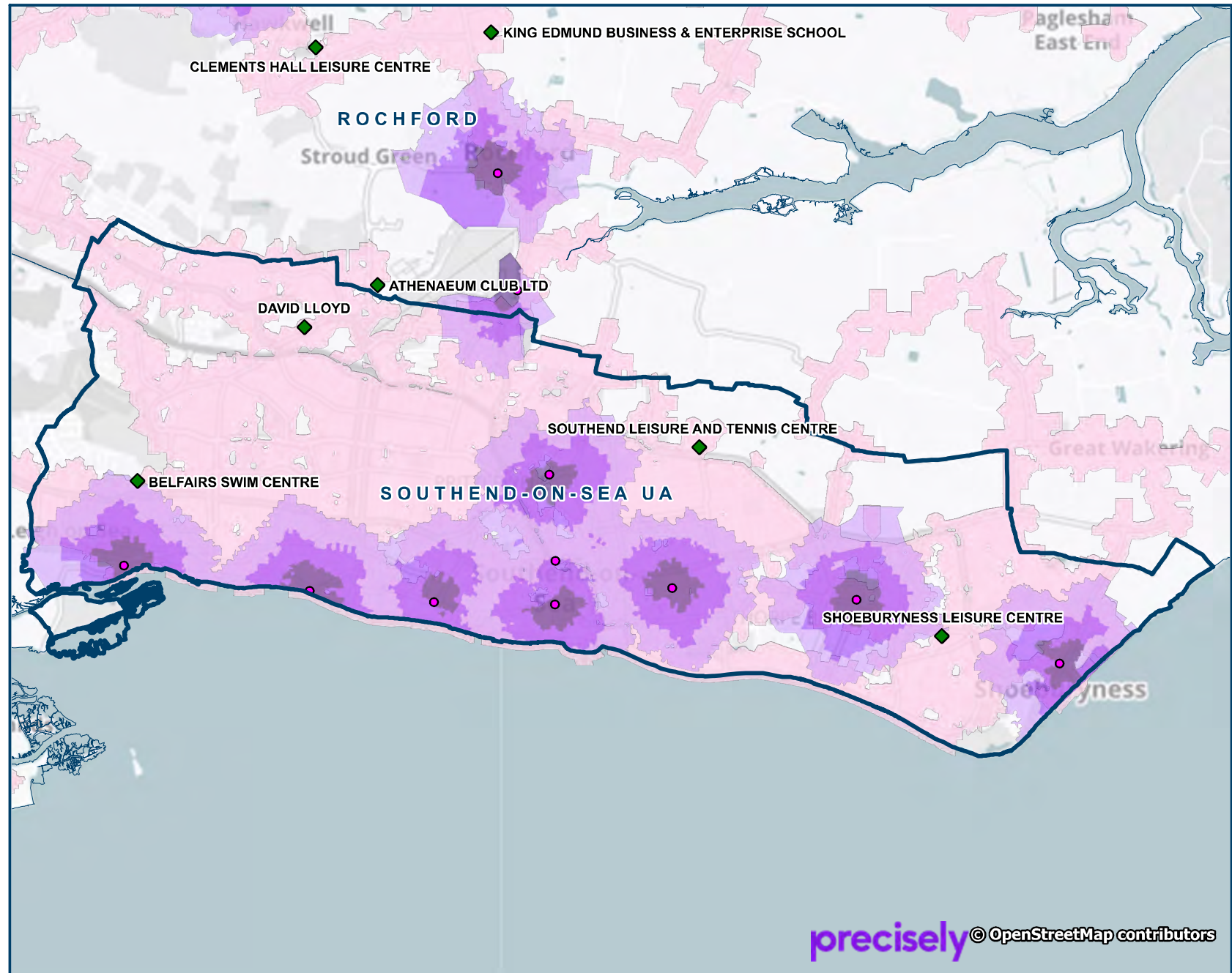
- ◆ Existing Swimming Pools Location

Boundaries

- Southend-on-Sea
- Neighbouring Local Authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



3 EXPORT OF SATISFIED DEMAND AND IMPORT OF USED CAPACITY

Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

Run 3: Existing Provision with Potential Urban Extension in 2045

The figure within each chevron is the number of visits in the weekly peak period from that local authority met at the other local authority.

> > > > Direction of flow

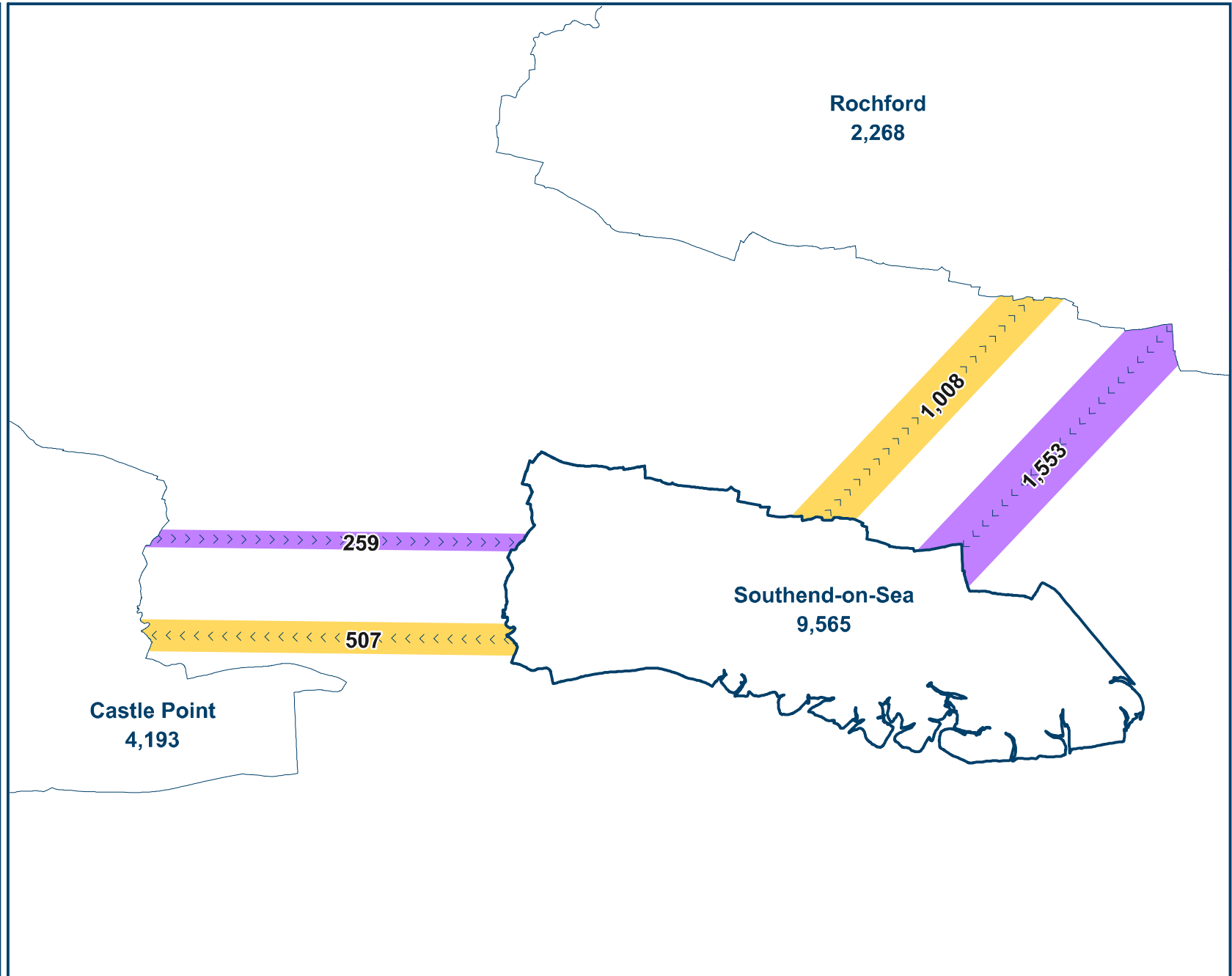
Import

Export

The figure within each boundary is the number of visits retained within the local authority area in the weekly peak period.

Southend-on-Sea

Neighbouring Local Authorities



The figure within each chevron is the number of visits in the weekly peak period from that local authority met at the other local authority.

> > > > Direction of flow

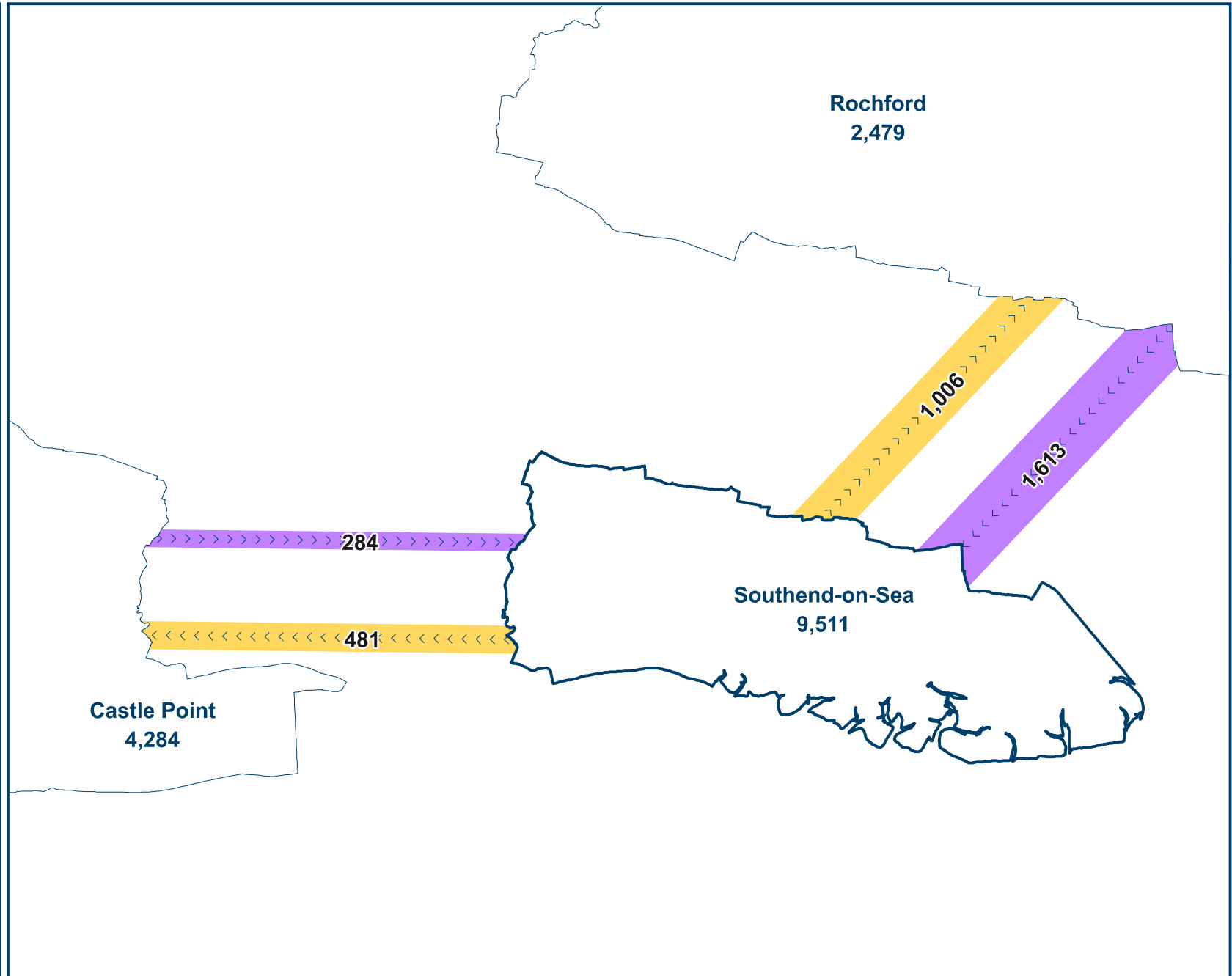
Import

Export

The figure within each boundary is the number of visits retained within the local authority area in the weekly peak period.

Southend-on-Sea

Neighbouring Local Authorities



The figure within each chevron is the number of visits in the weekly peak period from that local authority met at the other local authority.

> > > > Direction of flow

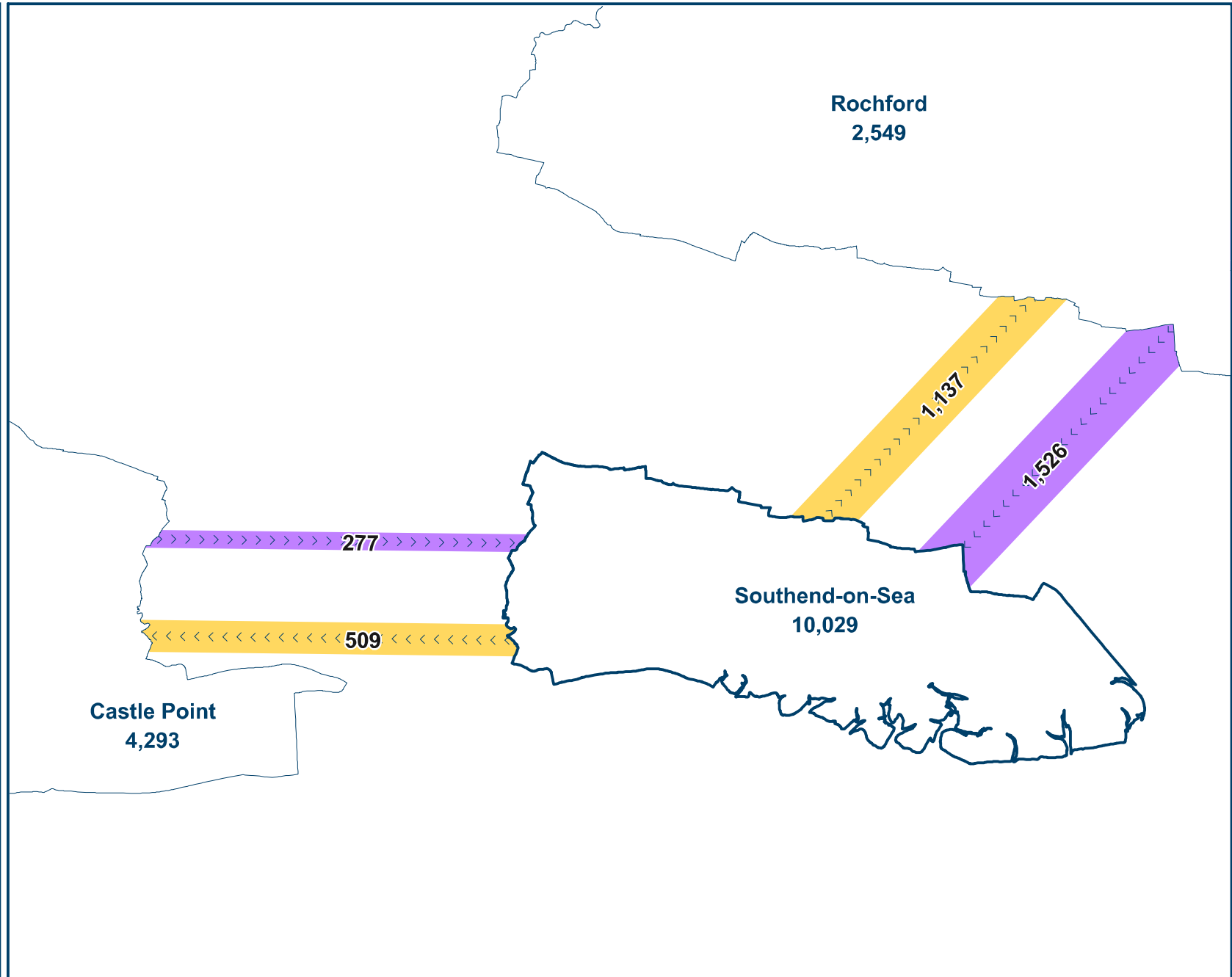
Import

Export

The figure within each boundary is the number of visits retained within the local authority area in the weekly peak period.

Southend-on-Sea

Neighbouring Local Authorities



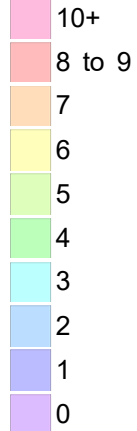
4 UNMET DEMAND

Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

Run 3: Existing Provision with Potential Urban Extension in 2045

Peak period unmet demand per square kilometre expressed as square metres of water



Swimming pools included in run

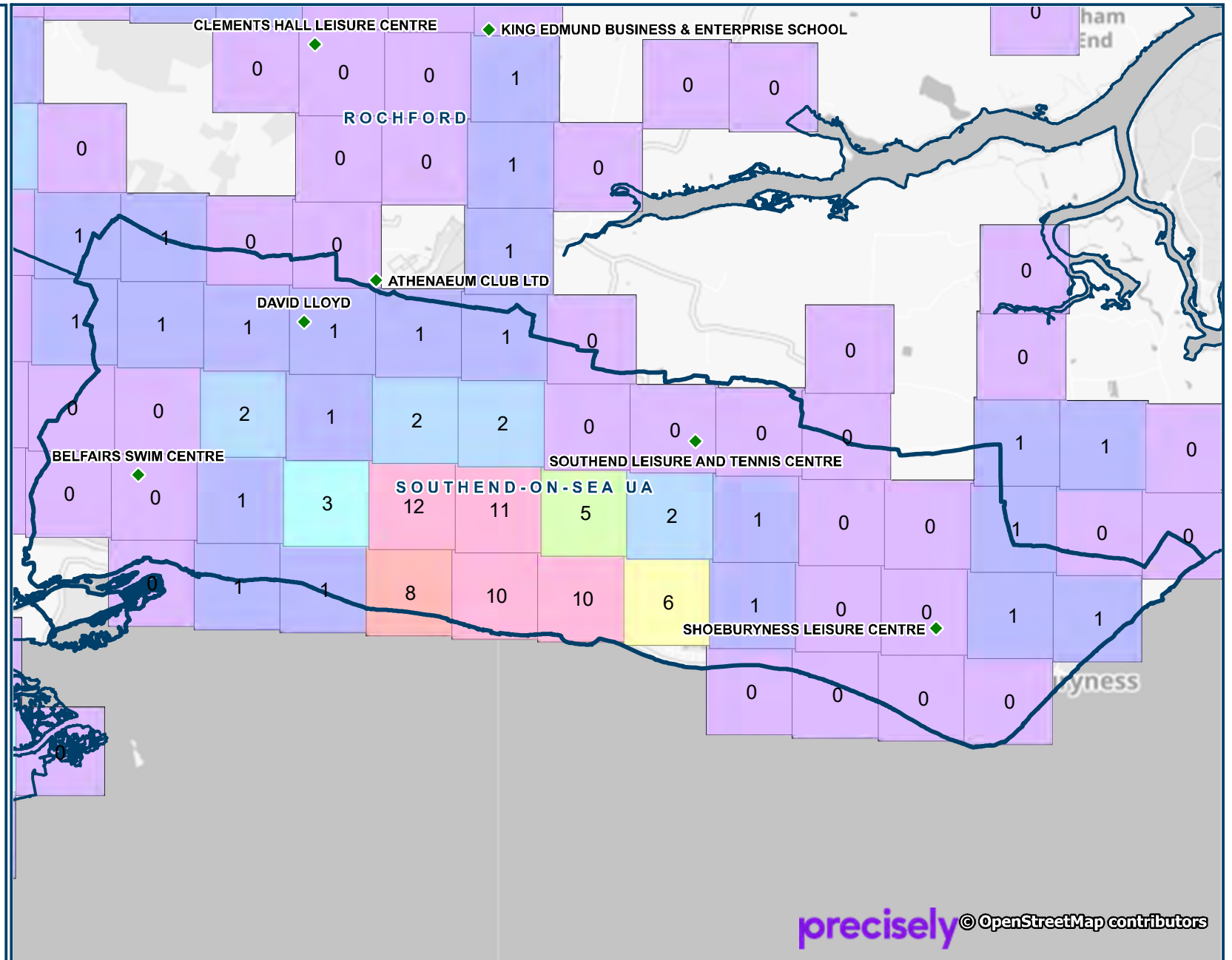
◆ Existing swimming pool

Boundaries

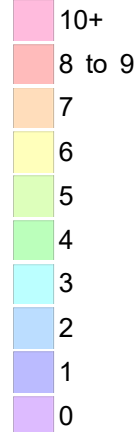
□ Southend-on-Sea
□ Local authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566

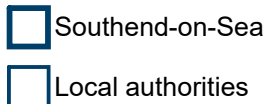


Peak period unmet demand per square kilometre expressed as square metres of water



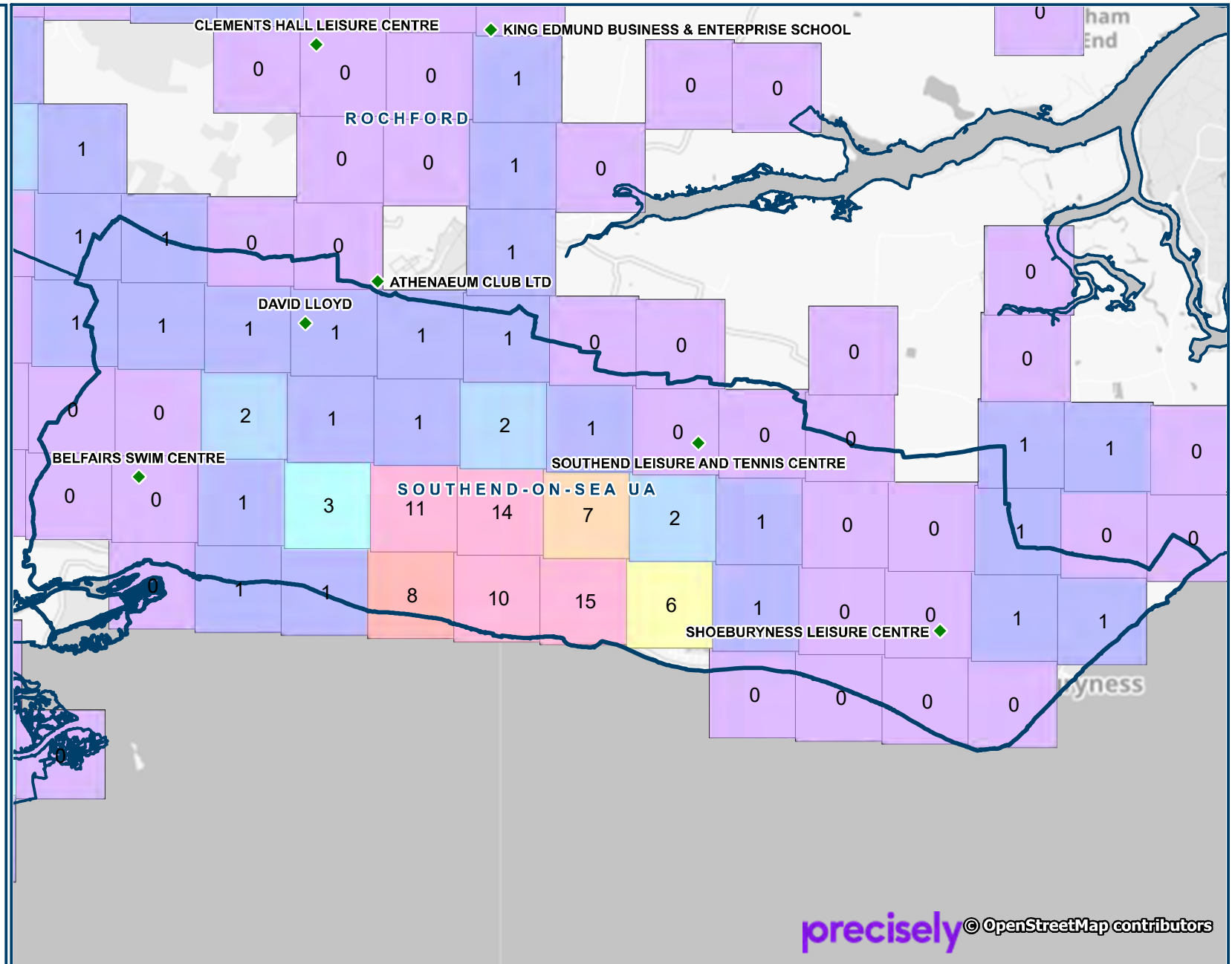
Swimming pools included in run
 ◆ Existing swimming pool

Boundaries

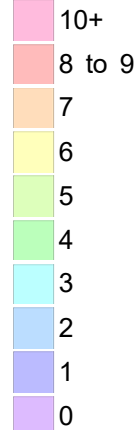


E25_SOS_P1

Additional material ©Sport England 2026
 Ordnance Survey data © Crown copyright and
 database rights 2026 OS AC0000850566



Peak period unmet demand per square kilometre expressed as square metres of water



Swimming pools included in run

◆ Existing swimming pool

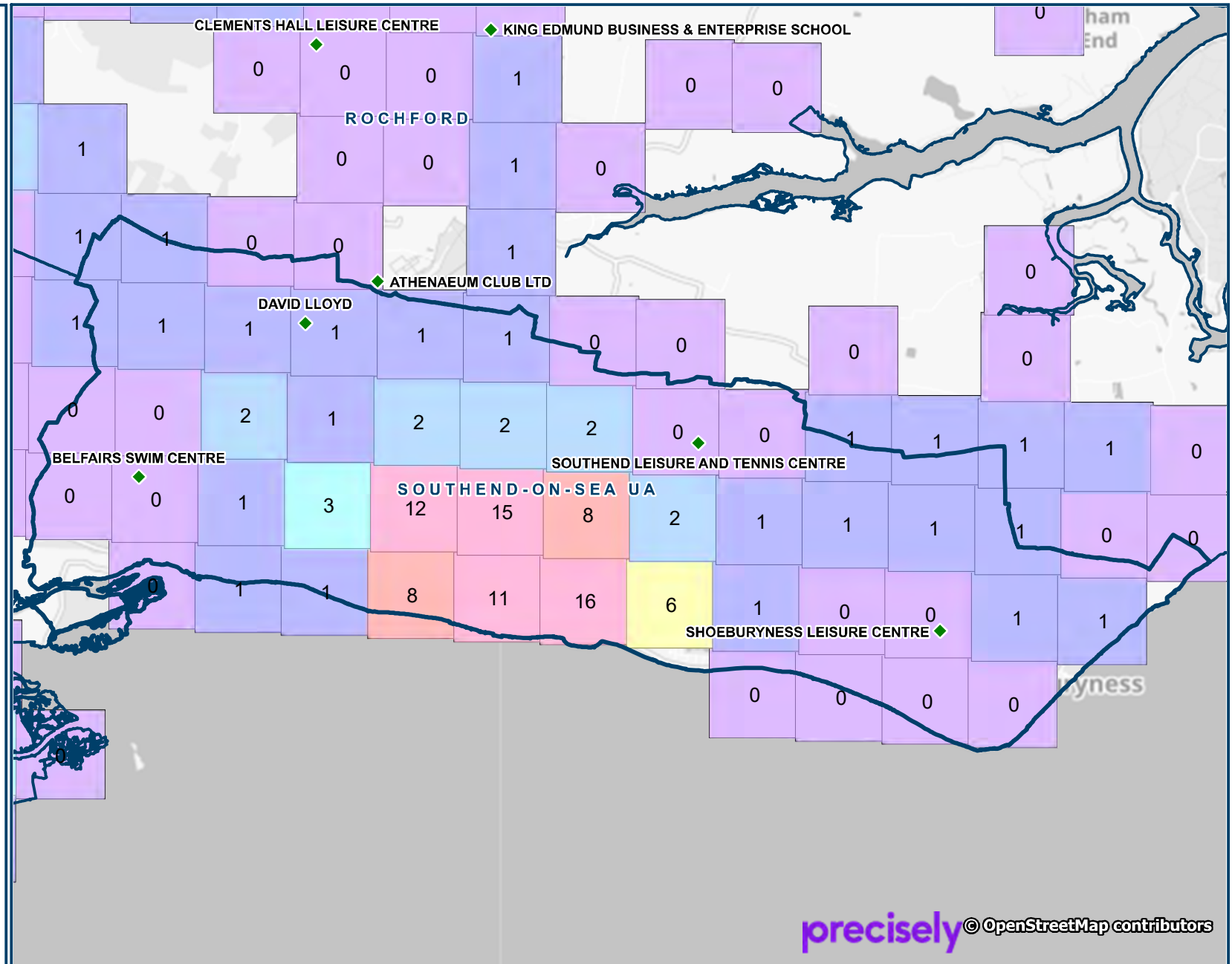
Boundaries

□ Southend-on-Sea

□ Local authorities

E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



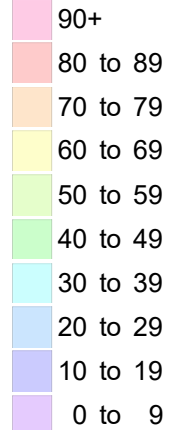
5 REACHABLE UNMET DEMAND

Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

Run 3: Existing Provision with Potential Urban Extension in 2045

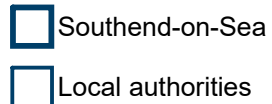
Reachable unmet demand from square kilometre expressed as square metres of water



Swimming pools included in run

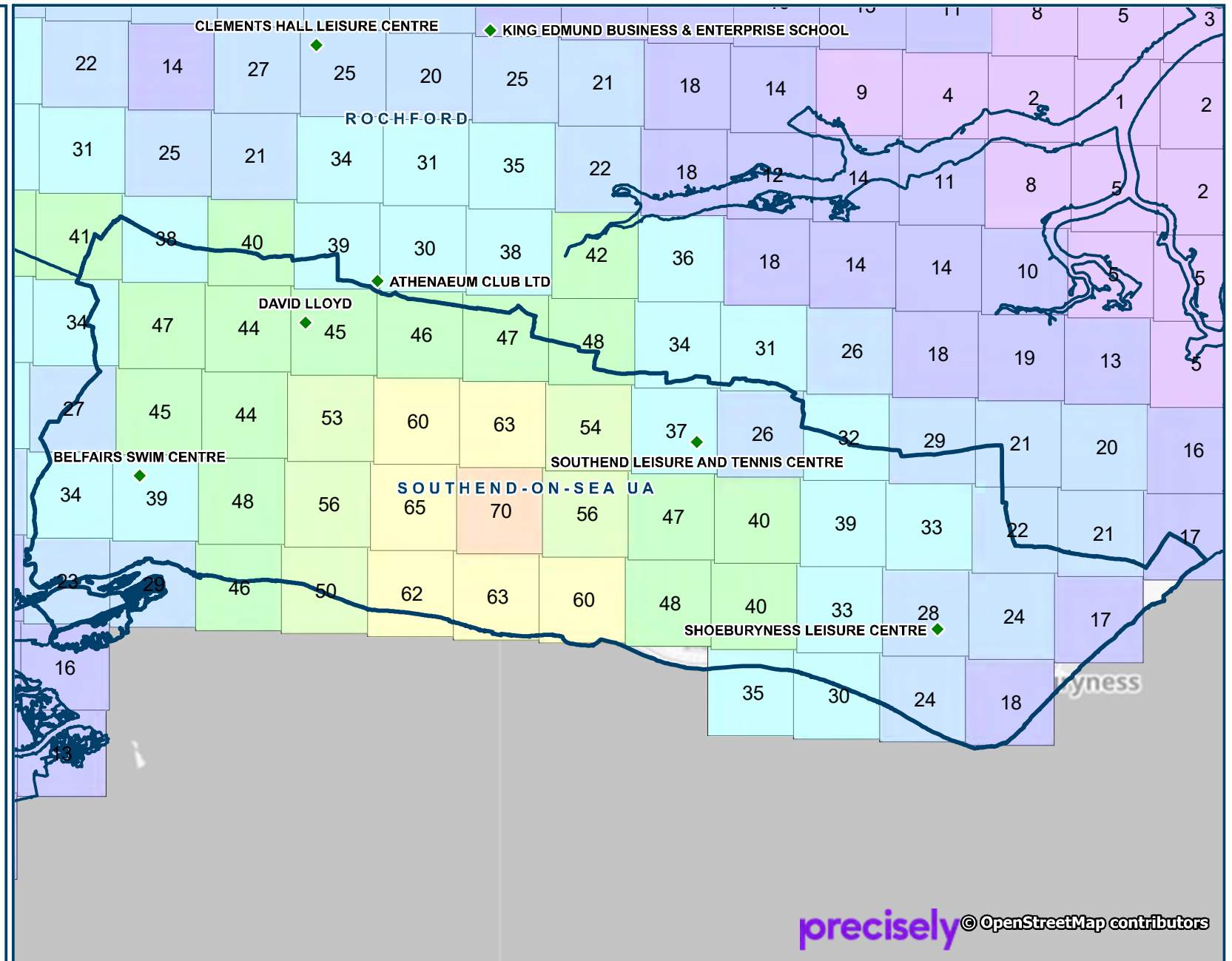
- Existing swimming pool

Boundaries

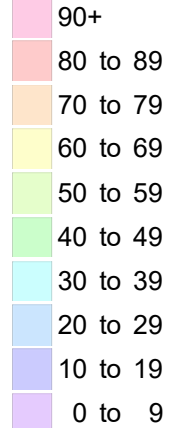


E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



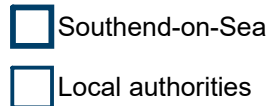
Reachable unmet demand from square kilometre expressed as square metres of water



Swimming pools included in run

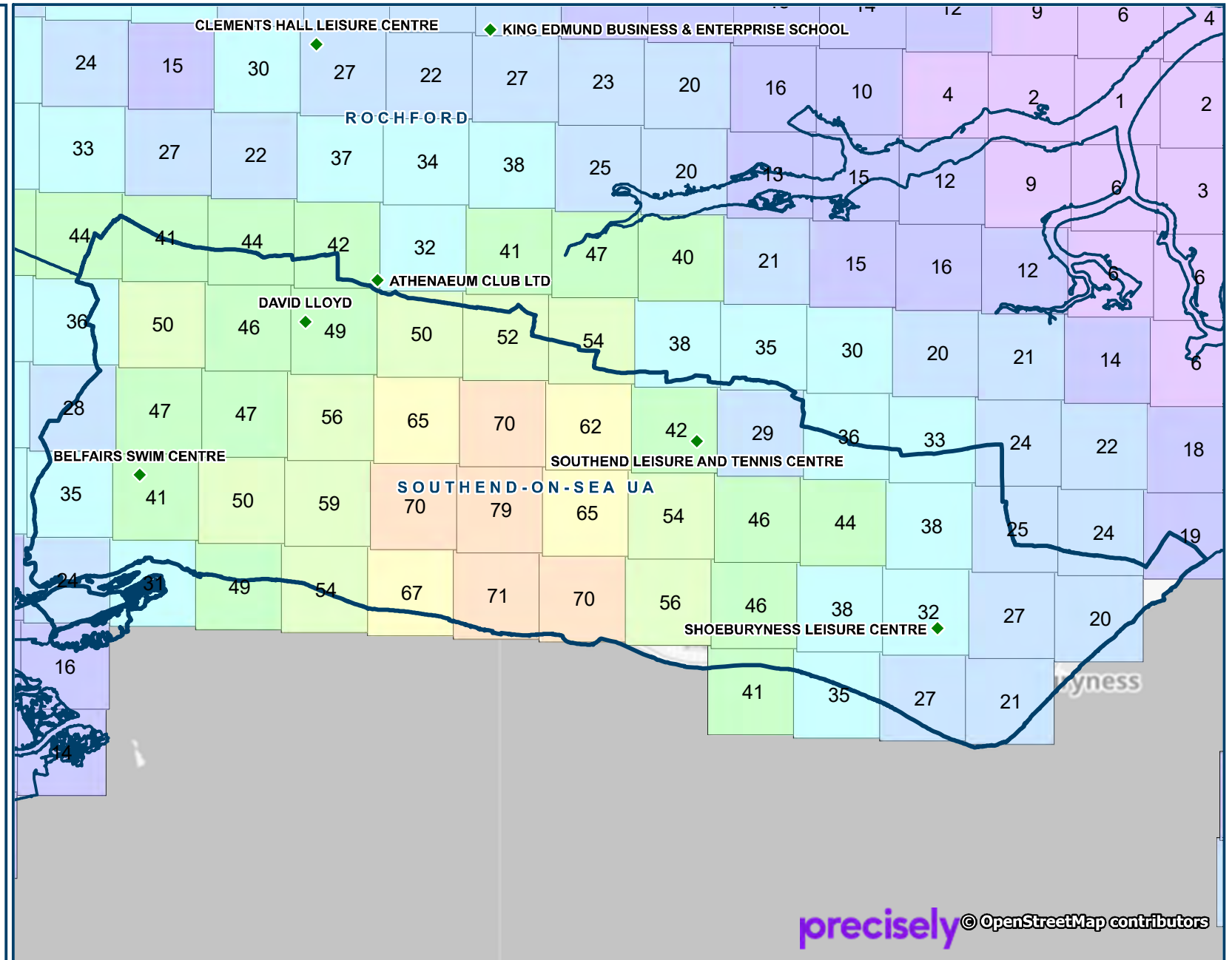
- Existing swimming pool

Boundaries

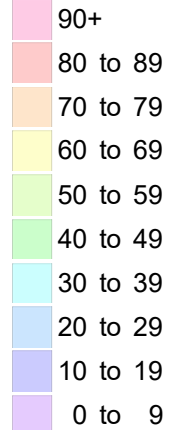


E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



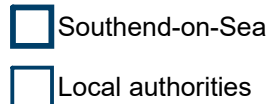
Reachable unmet demand from square kilometre expressed as square metres of water



Swimming pools included in run

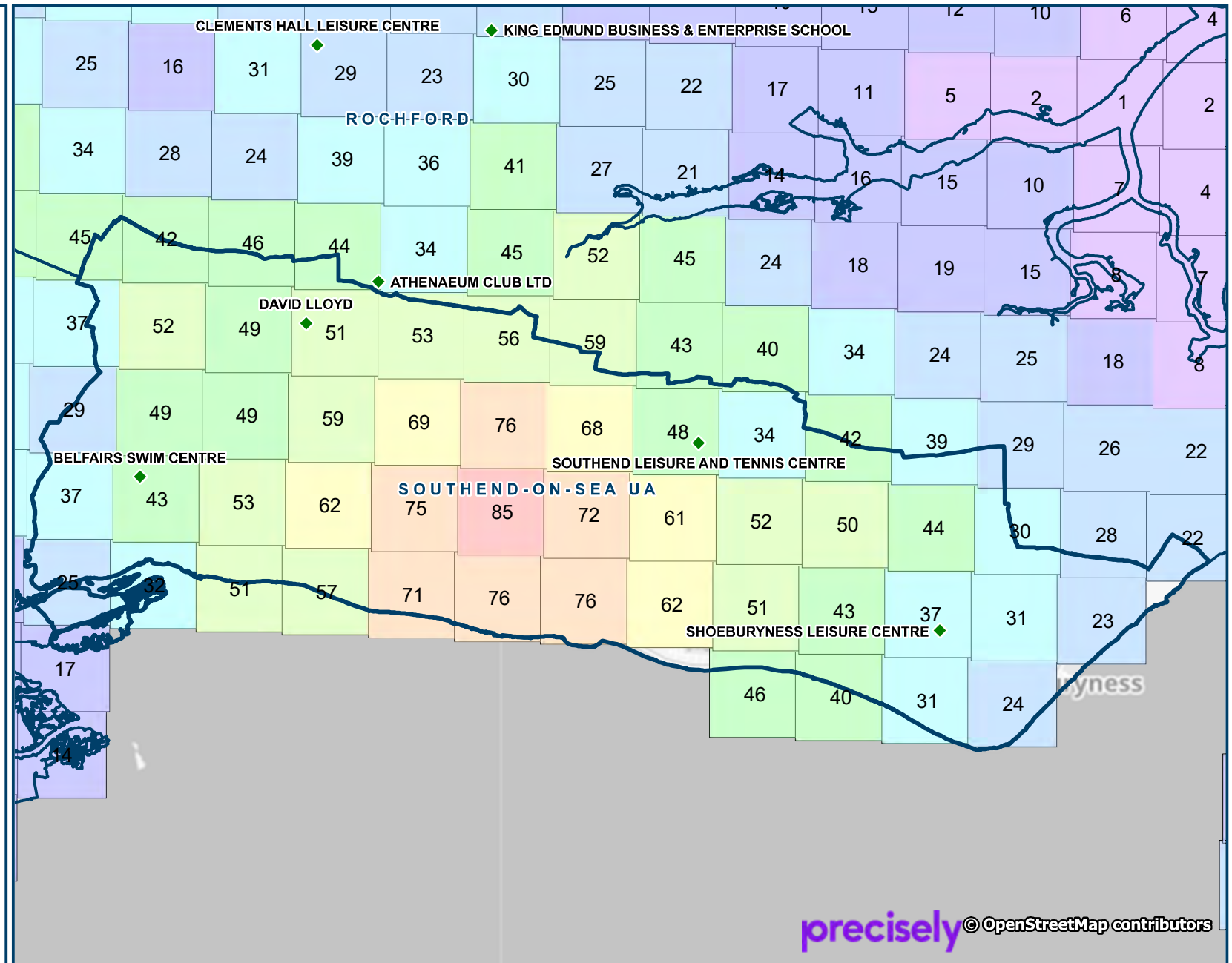
◆ Existing swimming pool

Boundaries



E25_SOS_P1

Additional material ©Sport England 2026
Ordnance Survey data © Crown copyright and
database rights 2026 OS AC0000850566



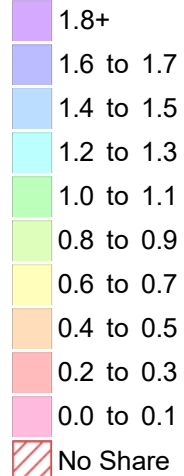
6 LOCAL SHARE

Run 1: Existing Provision with Demand in 2026

Run 2: Existing Provision with Demand in 2045

Run 3: Existing Provision with Potential Urban Extension in 2045

Local share of swimming pools relative to demand in local area:
 <1 = poorer, >1 = better

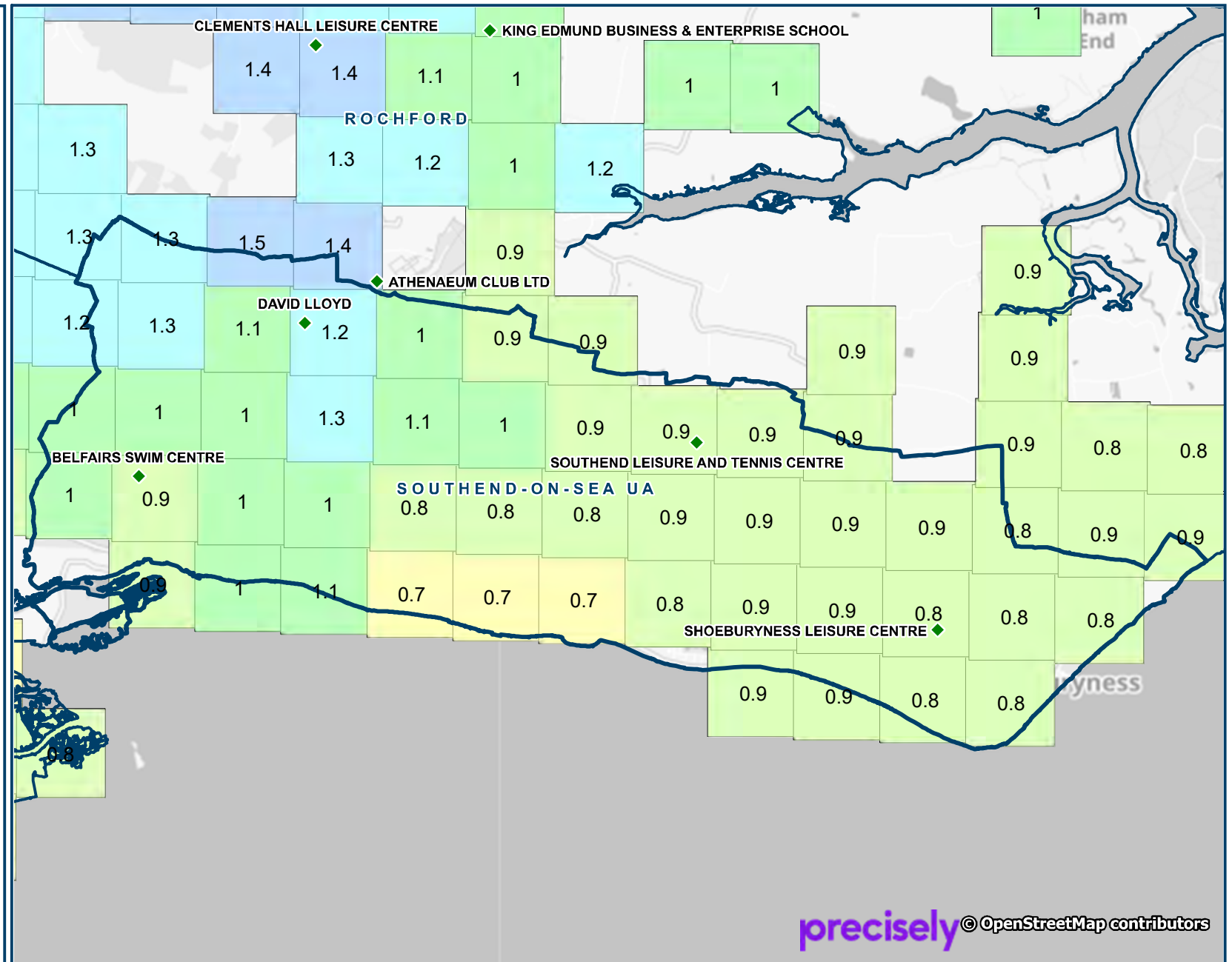


Swimming pools included in run
 ◆ Existing swimming pool

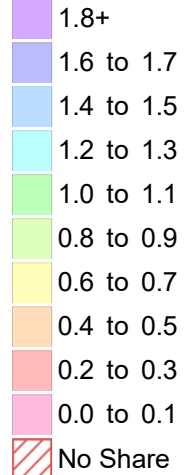
Boundaries
 □ Southend-on-Sea boundary
 □ Local authority boundaries

E25_SOS_P1

Additional material ©Sport England 2026
 Ordnance Survey data © Crown copyright and
 database rights 2026 OS AC0000850566



Local share of swimming pools relative to demand in local area:
 <1 = poorer, >1 = better

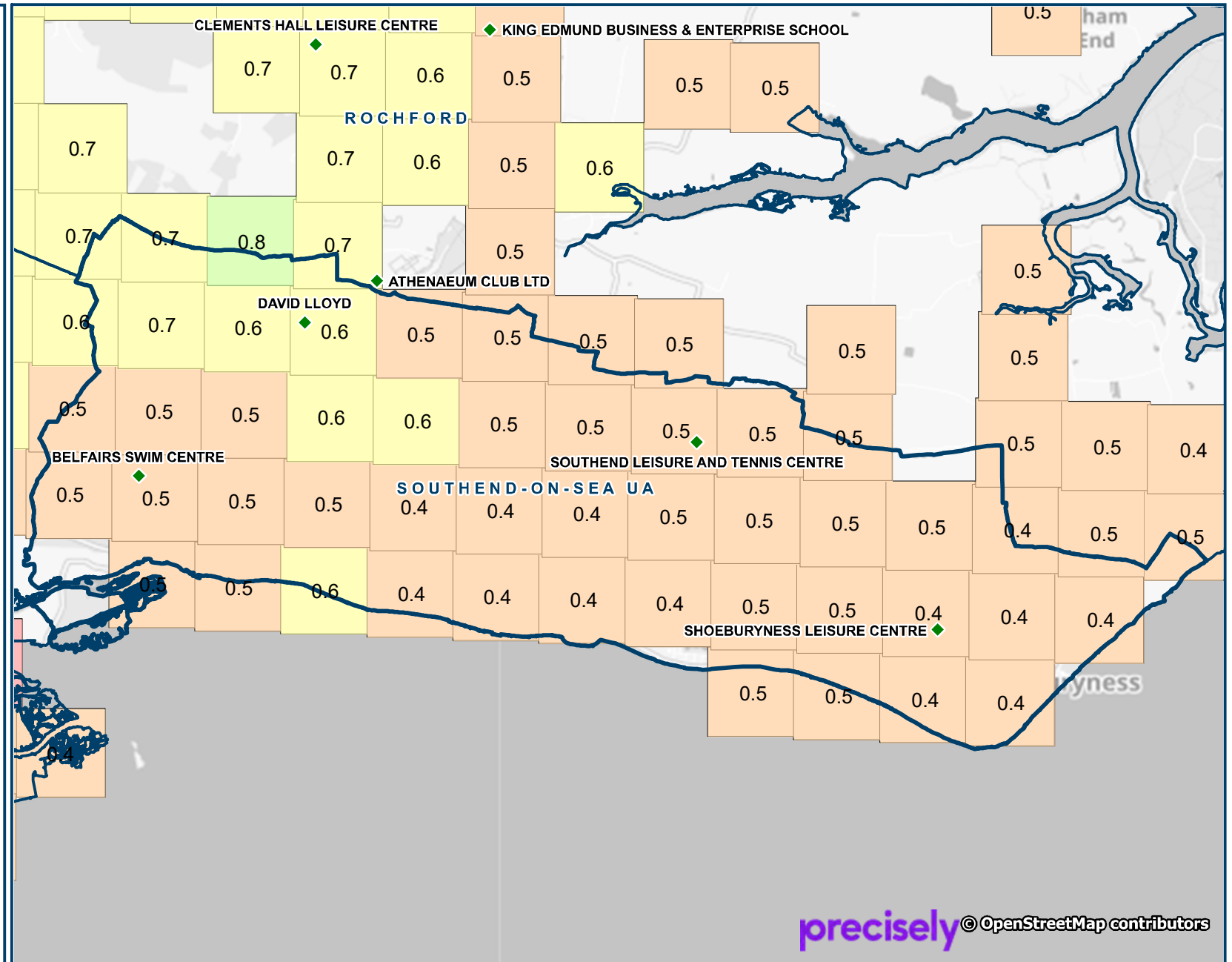
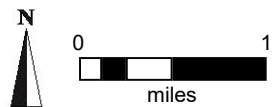


Swimming pools included in run
 ◆ Existing swimming pool

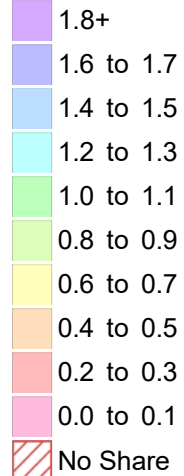
Boundaries
 □ Southend-on-Sea boundary
 □ Local authority boundaries

E25_SOS_P1

Additional material ©Sport England 2026
 Ordnance Survey data © Crown copyright and
 database rights 2026 OS AC0000850566

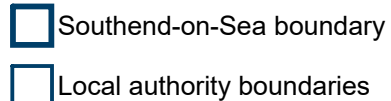


Local share of swimming pools relative to demand in local area:
 <1 = poorer, >1 = better



Swimming pools included in run
 ◆ Existing swimming pool

Boundaries



E25_SOS_P1

Additional material ©Sport England 2026
 Ordnance Survey data © Crown copyright and
 database rights 2026 OS AC0000850566

