

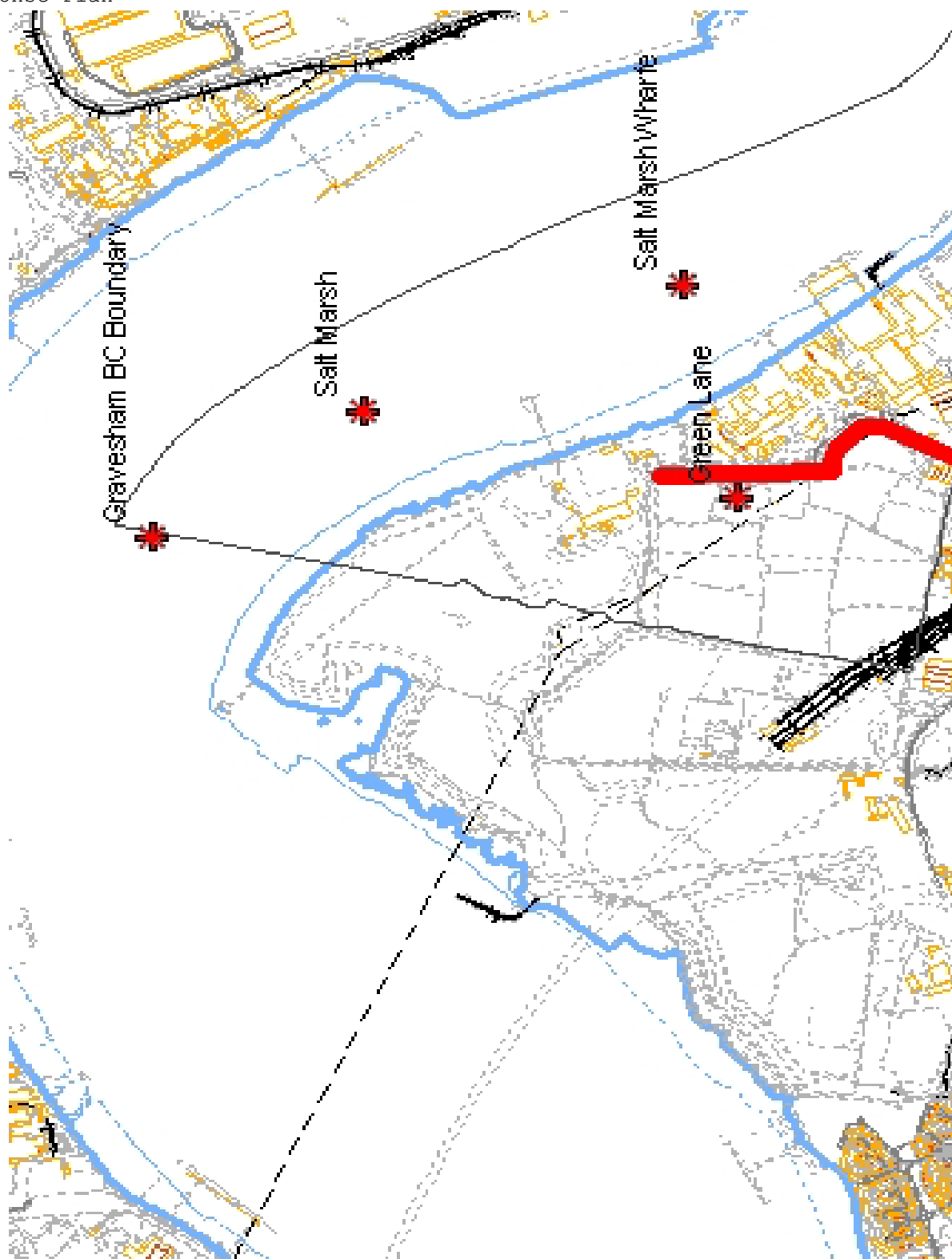
ANNEX R – GRAVESHAM ZONAL PLANS

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The zones are based on the Port of London Zonal Maps for the tidal Thames.
Maps 062 to 066 cover the the shoreline along Gravesham's boundary with the river.

Zonal map 062	Broadness
Zonal map 063	Northfleet
Zonal map 064	Gravesend
Zonal map 065	Eastcourt & Shorne Marshes
Zonal map 066	Cliffe Fort





Zone: **2**
PLA map number **062**
Shoreline section: Broadness

Description of shoreline:

Fairly inaccessible muddy shore with fringing saltmarsh.

O.S.map type and number	TQ 67/77
From grid reference	TQ 6093e 7654n
To grid reference	TQ 6151e 7456n

Access routes to foreshore:

(routes, owner/entry contacts, key holders)

Access via private track (Green Manor Road) with access to creek just outside the borough boundary.

Seasonal sensitivity (L=low, M=moderate, H=high):

	Conservational	Amenity	Industrial
Spring	M	L	L
Summer	L	M	L
Autumn	M	L	L
Winter	M	L	L

Ecology considerations:

Take care not to trample on saltmarsh excessively.

Amenity considerations:

There are boats moored in the creek.

Industrial & economic implications:
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None.

Clean-up recommendations:

Prohibited!

exercise extreme caution before entering muddy areas. Avoid entering on to saltmarsh. These habitats are fragile and easily damaged.
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Recommended

Leave oil to degrade naturally. Strand line oil and debris may be collected manually. If bulk oil collects along foreshore consider low pressure seawater flushing. Re-mobilised oil must be contained using booms and recovered with skimmers. Small hovercraft or shallow draft boats at high water may be useful.
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On site waste collection and disposal:

There is no suitable location past the metalled length of Green Lane.

On-site considerations:

(site services survey, skip and accommodation facilities)

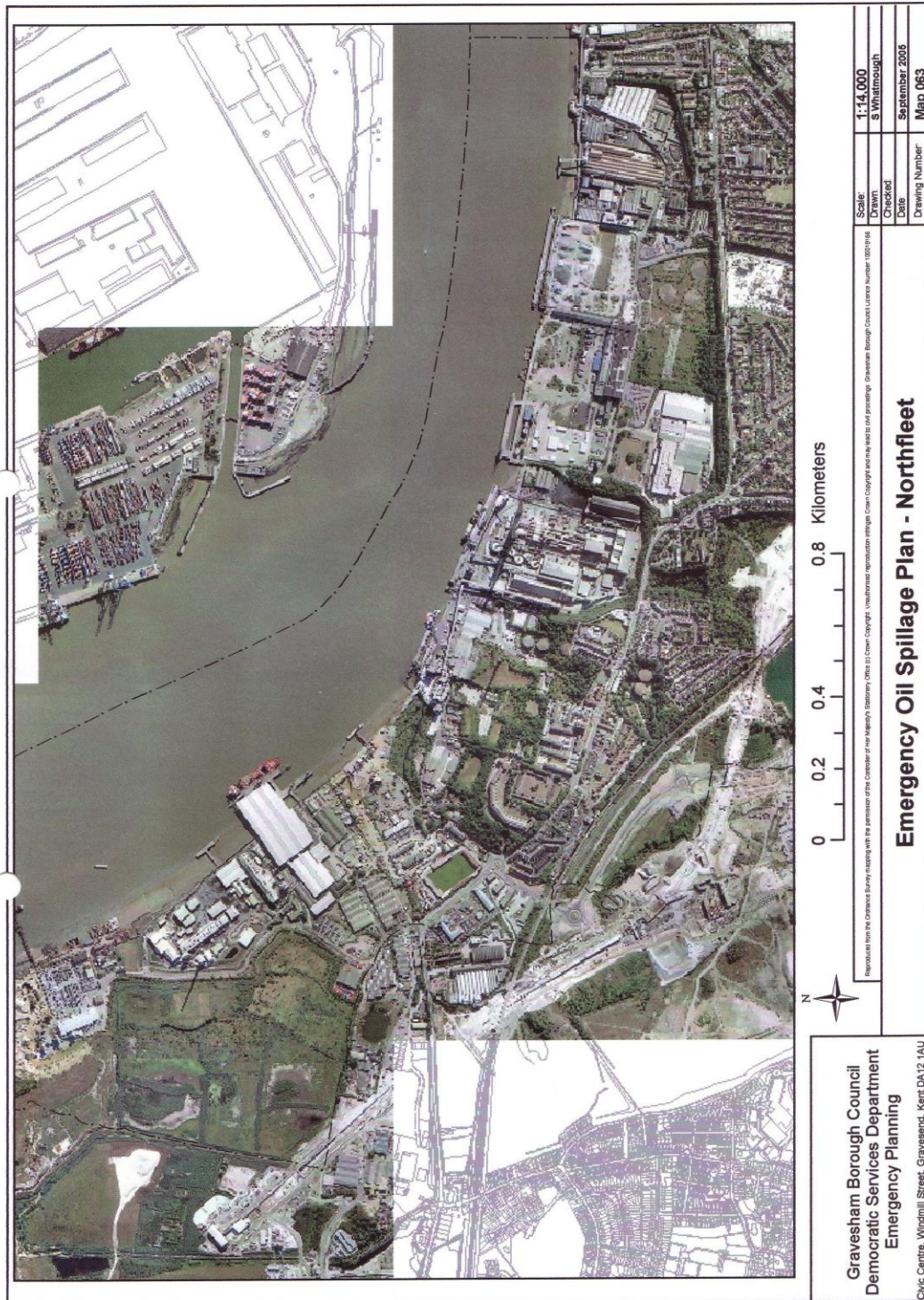
Shoreline hazards/risk assessment:

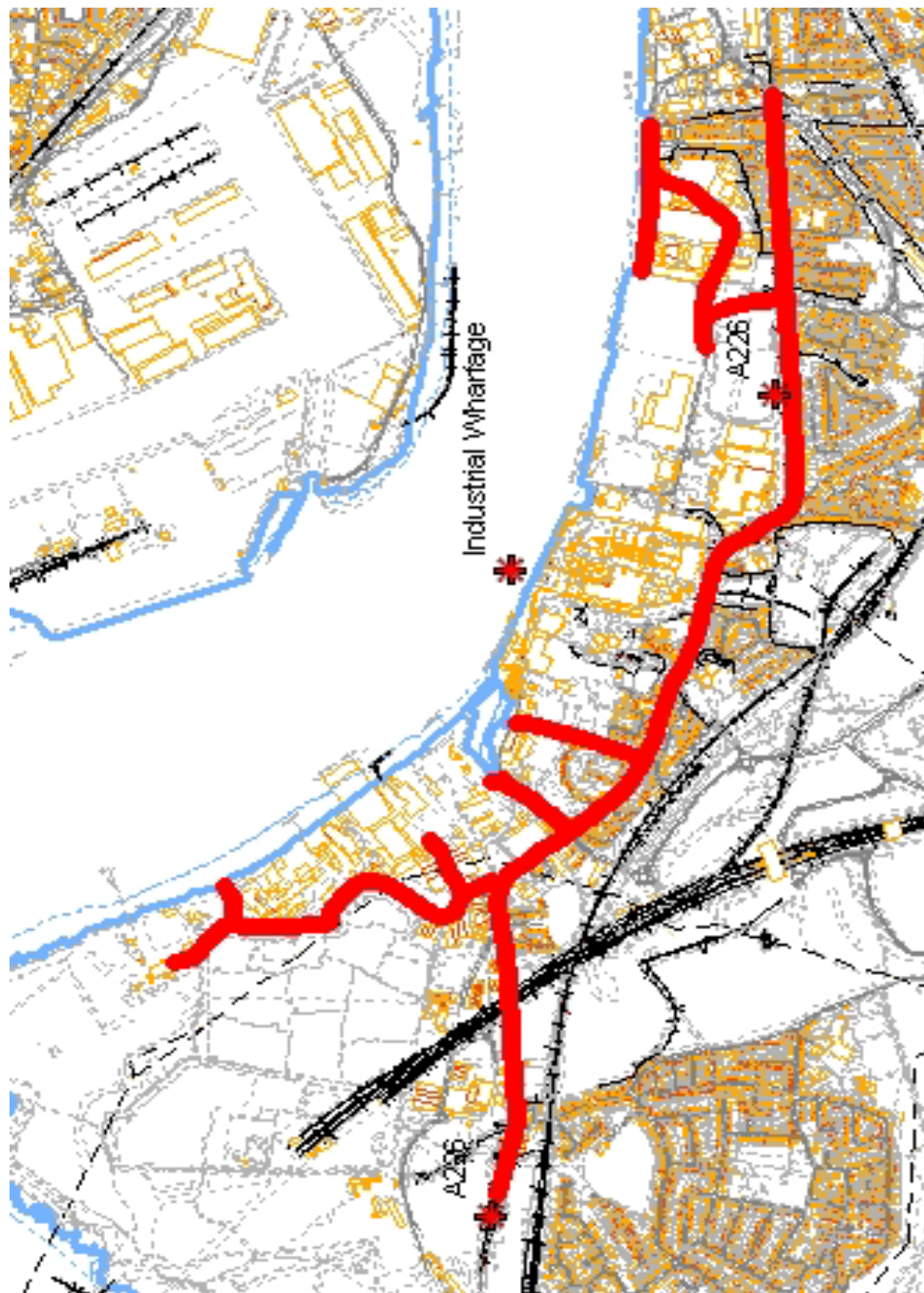
Other contacts:

District Oil Pollution Officer	Deputy DOPO
Name: Vacant Address: Gravesham Borough Council Tel. nos: 01474 337648 (office)	Name: Vacant Address: Tel. nos:

Zonal Section Beachmaster (1 st)	
Name: Vacant poss Rey Fadil Address: Operational Services (Transport Workshop) Tel. nos: 01474 337 547 (office) (home) (mobile)	Graham Marchant Address: Operational Services (Horticultural Services) Tel. nos: 01474 337 547 (office) (home) (mobile)

Other relevant information:
(booming plans etc) The adjacent creek could be usefully protected by booming, confer with Dartford Borough Council.





EMERGENCY OIL SPILLAGE PLAN - NORTHFLEET

Map 063

Zone: **2**
PLA map number **063**
Shoreline section: Northfleet

Description of shoreline:

Wharves and concrete sea walls backed by industrial premises. Muddy foreshore.

O.S.map type and number	TQ 67/77
From grid reference	TQ 6151e 7590n
To grid reference	TQ 6330e 7456n

Access routes to foreshore:

(routes, owner/entry contacts, key holders)

Metalled roads from A226 to industrial premises suitable for HGV's.
Foreshore accessible only within industrial premises but they are open 24hrs and manned by security.

Seasonal sensitivity (L=low, M=moderate, H=high):

	Conservational	Amenity	Industrial
Spring	L	L	H
Summer	L	L	H
Autumn	L	L	H
Winter	L	L	H

Ecology considerations:

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Amenity considerations:

Industrial & economic implications:
The industrial units are large and busy and most have wharves in constant use. Closure to facilitate clean up operations may conflict with business considerations.

Clean-up recommendations:
Prohibited!
Recommended Wharves may be used as anchorage points for booms, especially to deflect oil away from abstraction point Hall Aggregates where sea water is added to aggregates to help discharge from ships. High pressure hosing or steam cleaning may be used on man made structures and provision needs to be made for containment and recovery of released oil.

On site waste collection and disposal:
Skips may be located by permission of riparian owners.

On-site considerations:
(site services survey, skip and accommodation facilities)

Shoreline hazards/risk assessment:

Working at height over water, tidal range and with limited access/egress from foreshore.
Heavy plant working in industrial premises.
Hazardous chemicals used within some premises.

Other contacts:

District Oil Pollution Officer

Name: Vacant
Address: Gravesham Borough Council

Tel. nos: 01474 337648 (office)

Deputy DOPO

Name: Vacant
Address:

Tel. nos:

Zonal Section Beachmaster (1st)

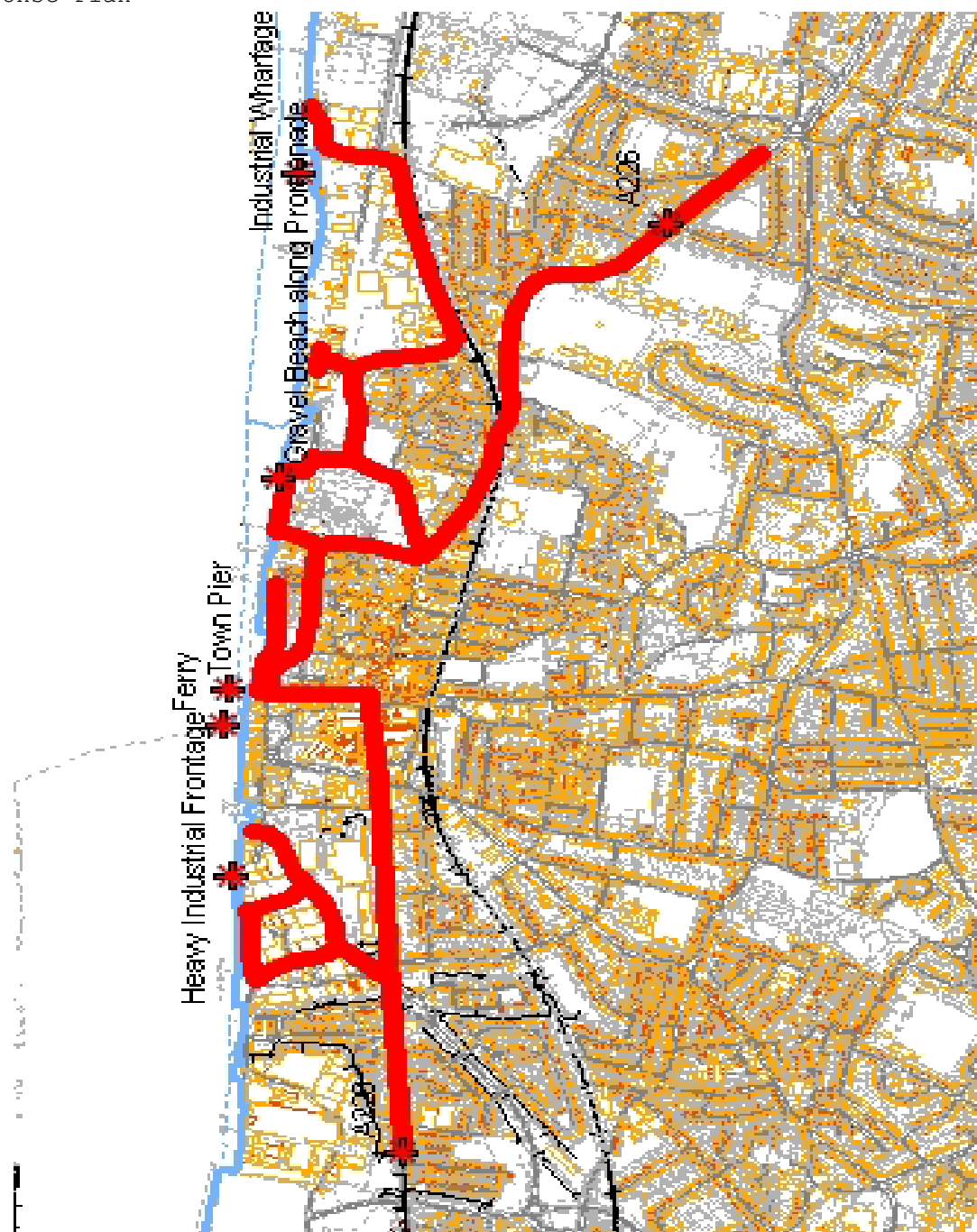
Name: Tony Norris
Address: Operational Services
(Responsive Repairs)

Tel. nos: 01474 337 437 (office)
(home)
(mobile)

Other relevant information:

(booming plans etc)





Zone: **2**
PLA map number **064**
Shoreline section: **Gravesend**

Description of shoreline:

Muddy foreshore backed by wharves with small ships/boats in dock and slipways.
Promenade with shingle foreshore.
Concrete sea wall.

O.S.map type and number	TQ 67/77
From grid reference	TQ 6330e 7456n
To grid reference	TQ 6695e 7428n

Access routes to foreshore:

(routes, owner/entry contacts, key holders)

Access to dock areas is via Norfolk Road from A226 to Canal Basin and then on to Mark Lane for access to Denton Wharves.
Access to promenade from Canal Basin, Canal Road and from Milton Place.
Access to industrial premises from West Street and Clifton Marine Parade.

Seasonal sensitivity (L=low, M=moderate, H=high):

	Conservational	Amenity	Industrial
Spring	L	L	H
Summer	L	M	H
Autumn	L	L	H
Winter	L	L	H

Ecology considerations:

n/a

Amenity considerations:
Close promenade to public access.

Industrial & economic implications:
Disruption to loading and unloading ships during the clean up process.

Clean-up recommendations:
Prohibited!
Recommended Low pressure sea water flushing along foreshore areas. High pressure hosing or steam cleaning structures and sea walls. Re-mobilised oil requires containment with booms and recovered with skimmers. Oil on gravel beach can be washed and returned on site, bio-remediation can be considered.

On site waste collection and disposal:
Possible sites at Denton Wharf, Promenade.

On-site considerations:
(site services survey, skip and accommodation facilities)

Shoreline hazards/risk assessment:
Working at height from structures. Few points of egress along foreshore bounded by Thames Tidal Wall with large tide height range.

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Other contacts:

Port of London Authority (01474) 562200

District Oil Pollution Officer

Name: Vacant
Address: Gravesham Borough Council

Tel. nos: 01474 337648 (office)

Deputy DOPO

Name: Vacant
Address:

Tel. nos:

Zonal Section Beachmaster (1st)

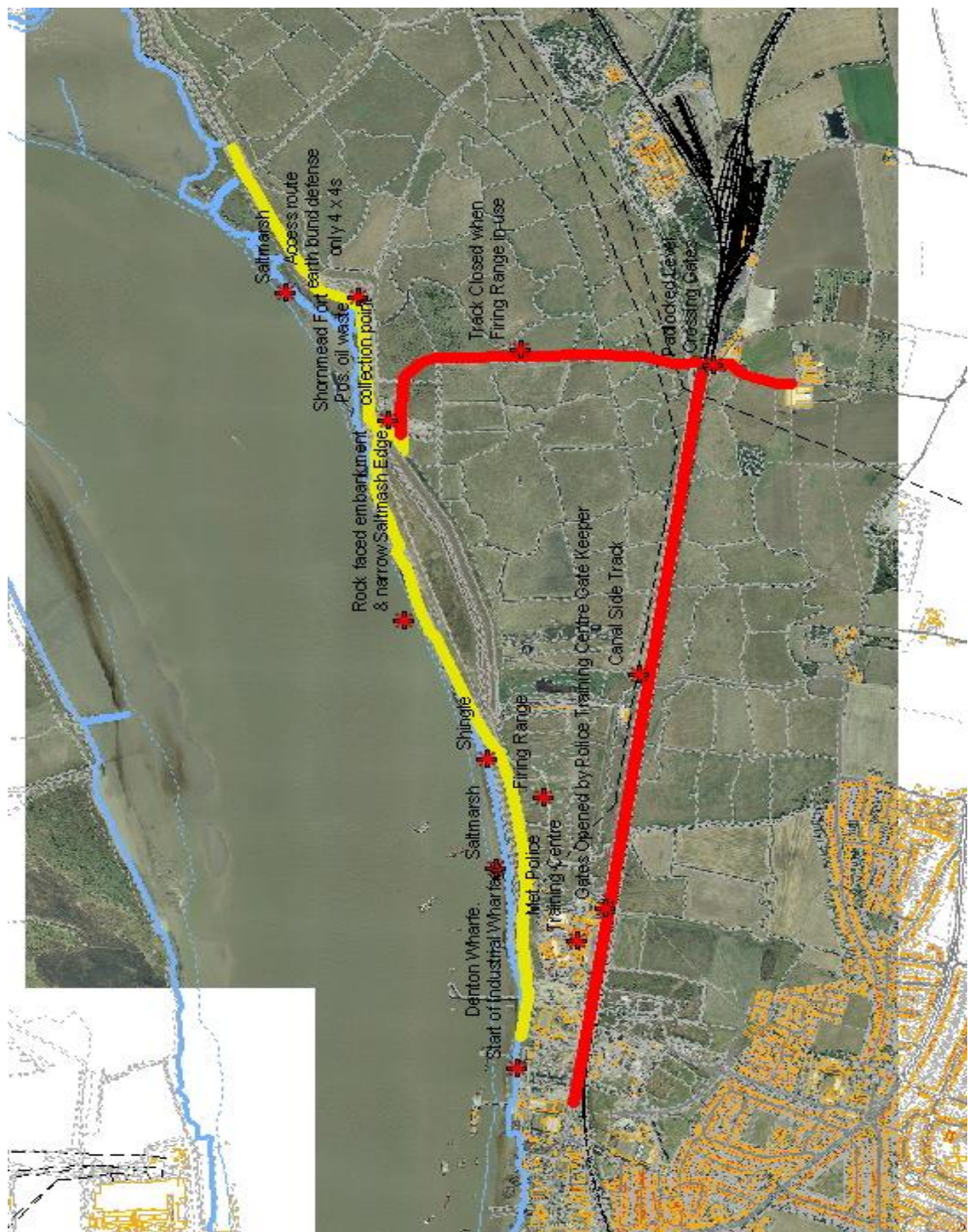
Name: Mark Cordingley
Address: Operational Services
(Building Services)

Tel. nos: 01474 337 619 (office)
(home)
(mobile)

Other relevant information:

(booming plans etc)





EMERGENCY OIL SPILLAGE PLAN - EASTCOURT & SHORNE MARSH
Map 065

Zone: **2**
PLA map number **065**
Shoreline section: Eastcourt & Shorne Marshes

Description of shoreline:

Mud flats and salt marsh with earth bund sea wall and industrial wharfage,

O.S.map type and number	O.S. 67/77
From grid reference	
To grid reference	

Access routes to foreshore:

(routes, owner/entry contacts, key holders)

Concrete access road to Shornemead Fort which is suitable HGV's from Lower Higham Road. Key for the level crossing gates from the Rail Master, tel 0208 8571422. The track is behind the Metropolitan Police Training Centre firing range and will be closed when in use. A track is available for HGV's from the canal side road to the section of earth sea wall behind the National Sea Training Centre ('College'). Access to Denton Wharf from Mark Lane.

Seasonal sensitivity (L=low, M=moderate, H=high):

	Conservational	Amenity	Industrial
Spring	M	L	M
Summer	L	M	M
Autumn	M	L	M
Winter	H	L	M

Ecology considerations:

Consider use of bird scaring devices close to shoreline if feeding areas are oiled.
Do not enter on to areas of saltmarsh,

Amenity considerations:

Close access to public. Sea wall used by horse riders.
Saxon Shore Way public footpath runs along foreshore behind the sea wall.

Industrial & economic implications:

Denton Wharf is used for loading and unloading ships including containers and oil clean up procedures may conflict with wharf operations.

Clean-up recommendations:

Prohibited!

Exercise extreme caution before entering on to mud flats.

Do not enter on to the salt marsh.

Recommended

Leave oil to degrade naturally in salt marsh.

If bulk oil accumulates along the foreshore consider low pressure seawater flushing.

Remobilised oil must be collected and recovered using booms and skimmers.

Use hovercraft or shallow draft vessels.

Manual collection of strandline oil deposits.

High pressure hosing or steam cleaning may be used on man-made structures and remobilised oil must be collected and recovered using booms and skimmers.

On site waste collection and disposal:

There is a suitable area for an oily waste collection point and for parking next to Shornmead Fort. Access along the embankment suitable for 4x4's only.

On-site considerations:

(site services survey, skip and accommodation facilities)

No overhead or underground services known about.

Shoreline hazards/risk assessment:

Uneven and sloping ground will be unsuitable for most vehicles.

Deep ditches adjacent.

The ground surface adjacent to the sea wall on the land side may become soft and rutted in wet weather conditions.

Wharf areas may be busy with operational traffic such as fork lifts moving containers.

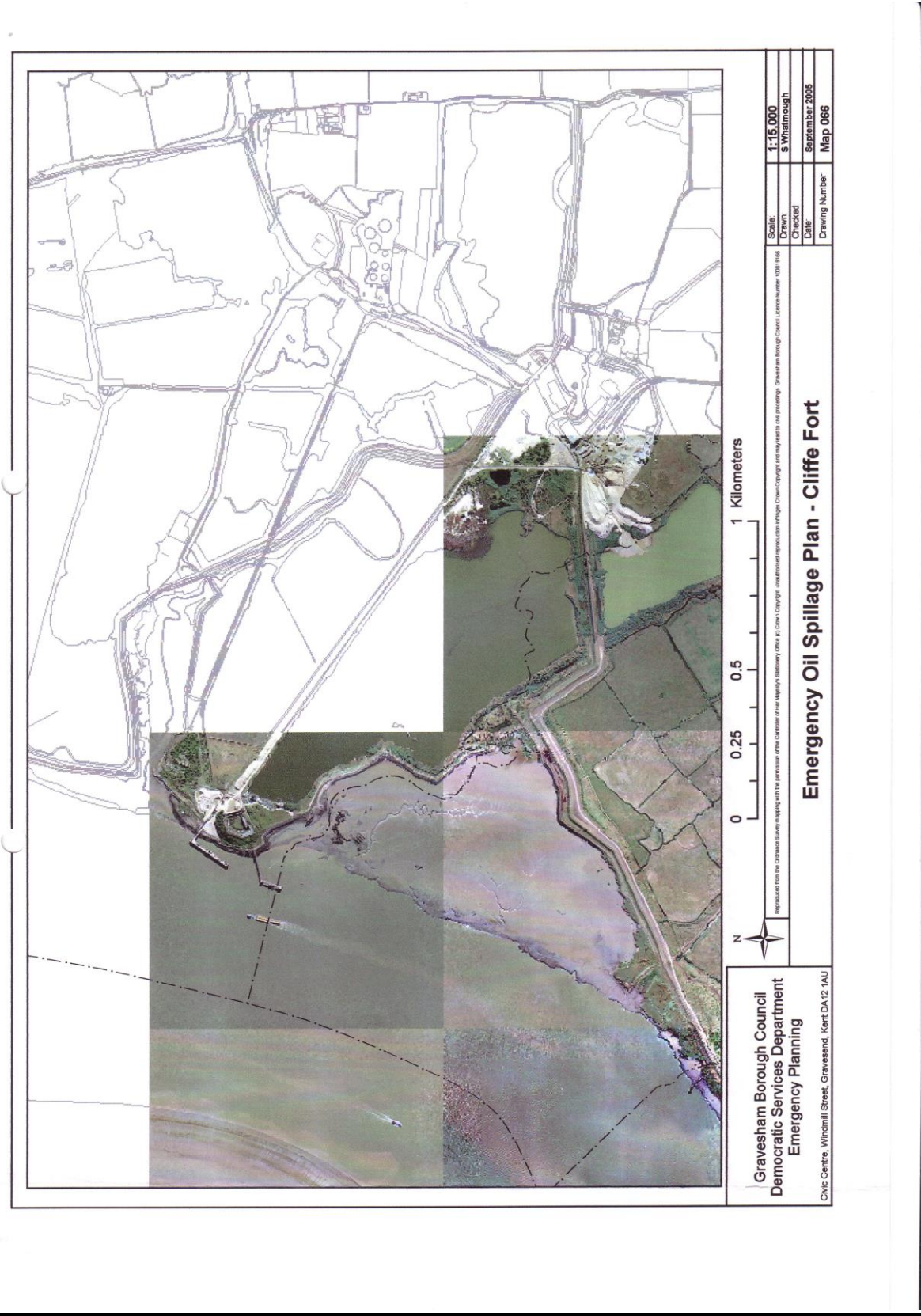
Other contacts:

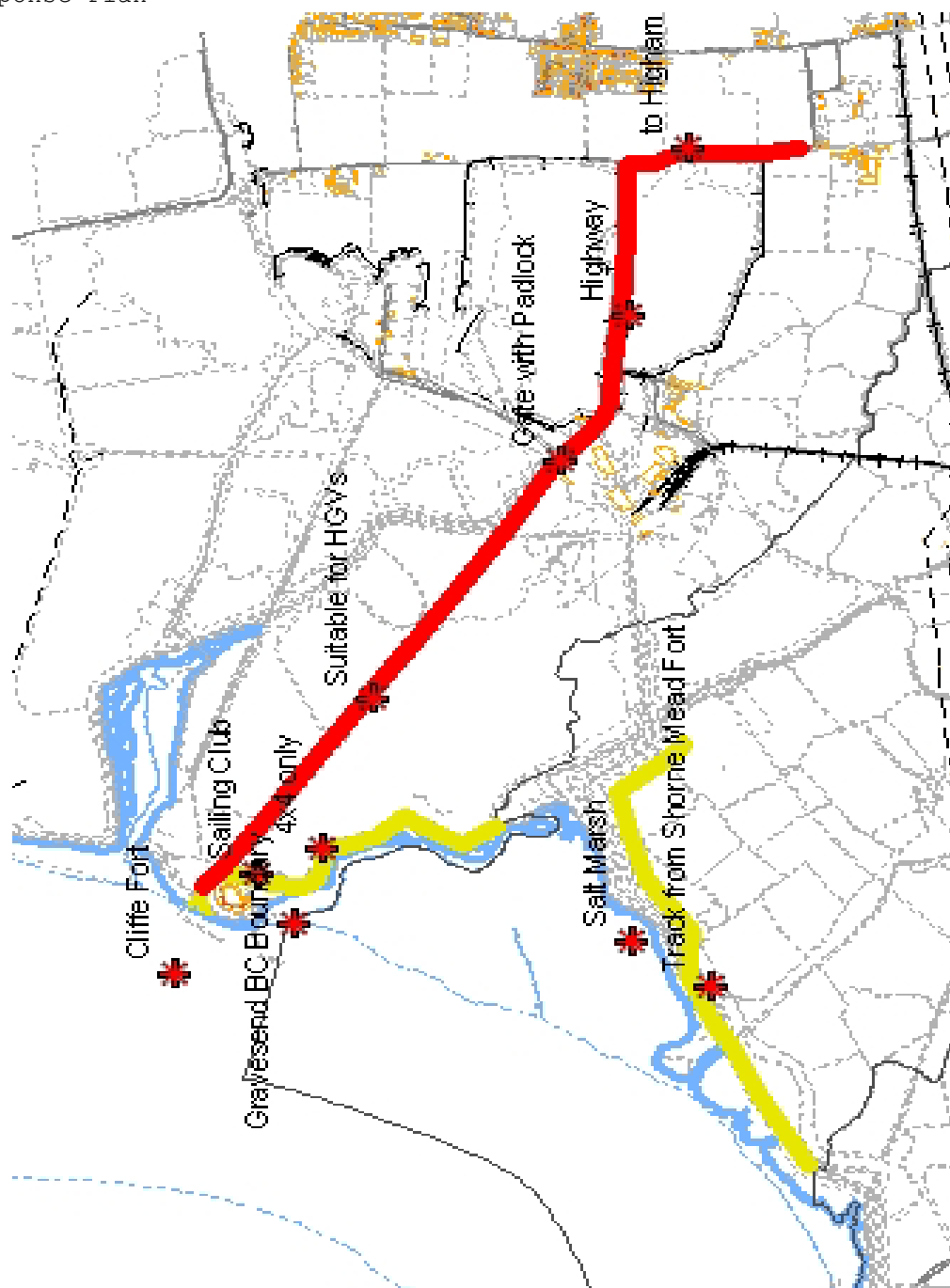
Port of London Marine Services office in Denton Wharf, tel. 01474 562402.

District Oil Pollution Officer	Deputy DOPO
<p>Name: Vacant Address: Gravesham Borough Council Tel. nos: 01474 337648 (office)</p>	<p>Name: Vacant Address: Tel. nos:</p>

Zonal Section Beachmaster (1 st)	
<p>Name: Bal Chatta Address: Operational Services (Building Services) Tel. nos: 01474 337 505 (office) (home) (mobile)</p>	

Other relevant information:
<p>(booming plans etc)</p> <p>n/a</p>





Zone: **2**
PLA map number **066**
Shoreline section: Cliffe Fort

Description of shoreline:

Mud and saltmarsh with stone filled gabion and earth sea wall.
SSSI area.

O.S.map type and number	TQ 67/77
From grid reference	TQ 7070e 7546n
To grid reference	TQ 7098e 7572n

Access routes to foreshore:

(routes, owner/entry contacts, key holders)

Highway to Westcourt Farm. Road ends at padlocked gate. From the gate to the aggregate jetty adjacent to Cliffe Fort and sailing club is a concrete road capable of taking HGV's. Padlock key available from Brett Aggregates, John Mullimar 07802 950653 (24 hours).

A track suitable only for 4x4 vehicles runs past the sailing club and along the sea wall.

Seasonal sensitivity (L=low, M=moderate, H=high):

	Conservational	Amenity	Industrial
Spring	M	L	L
Summer	L	M	L
Autumn	M	L	L
Winter	H	L	L

Ecology considerations:

Consider use of bird scaring devices close to shoreline if feeding areas are oiled.
Do not enter on to areas of saltmarsh,

Amenity considerations:

Close access to public. Sea wall used by horse riders.
Saxon Shore Way public footpath runs along foreshore behind the sea wall.

Industrial & economic implications:

None

Clean-up recommendations:

Prohibited!

Exercise extreme caution before entering on to mud flats.

Do not enter on to the salt marsh.

Recommended

Leave oil to degrade naturally in salt marsh.

If bulk oil accumulates along the foreshore consider low pressure seawater flushing.

Remobilised oil must be collected and recovered using booms and skimmers.

Use hovercraft or shallow draft vessels.

Manual collection of strandline oil deposits.

On site waste collection and disposal:
A temporary oil collection point could be located in the parking area next to Brett's jetty which has access for heavy goods vehicles.

On-site considerations:
(site services survey, skip and accommodation facilities)
There are no overhead or underground services to consider at the jetty. There is a rough track between the sailing club lake and the sea wall which becomes a grassed track behind the sea wall only suitable for 4x4's.

Shoreline hazards/risk assessment:
Uneven and sloping ground will be unsuitable for most vehicles. Deep ditches adjacent. The ground surface adjacent to the sea wall on the land side may become soft and rutted in wet weather conditions.

Other contacts:

District Oil Pollution Officer	Deputy DOPO
Name: Vacant Address: Gravesham Borough Council Tel. nos: 01474 337648 (office) 	Name: Vacant Address: Tel. nos:

Zonal Section Beachmaster (1 st)	
Name: Jamie Arthur Address: Operational Services (Building Services) Tel. nos: 01474 337 623 (office) (home) (mobile)	

Other relevant information:
(booming plans etc) Cliife Creek which is in Medway Council's area.

