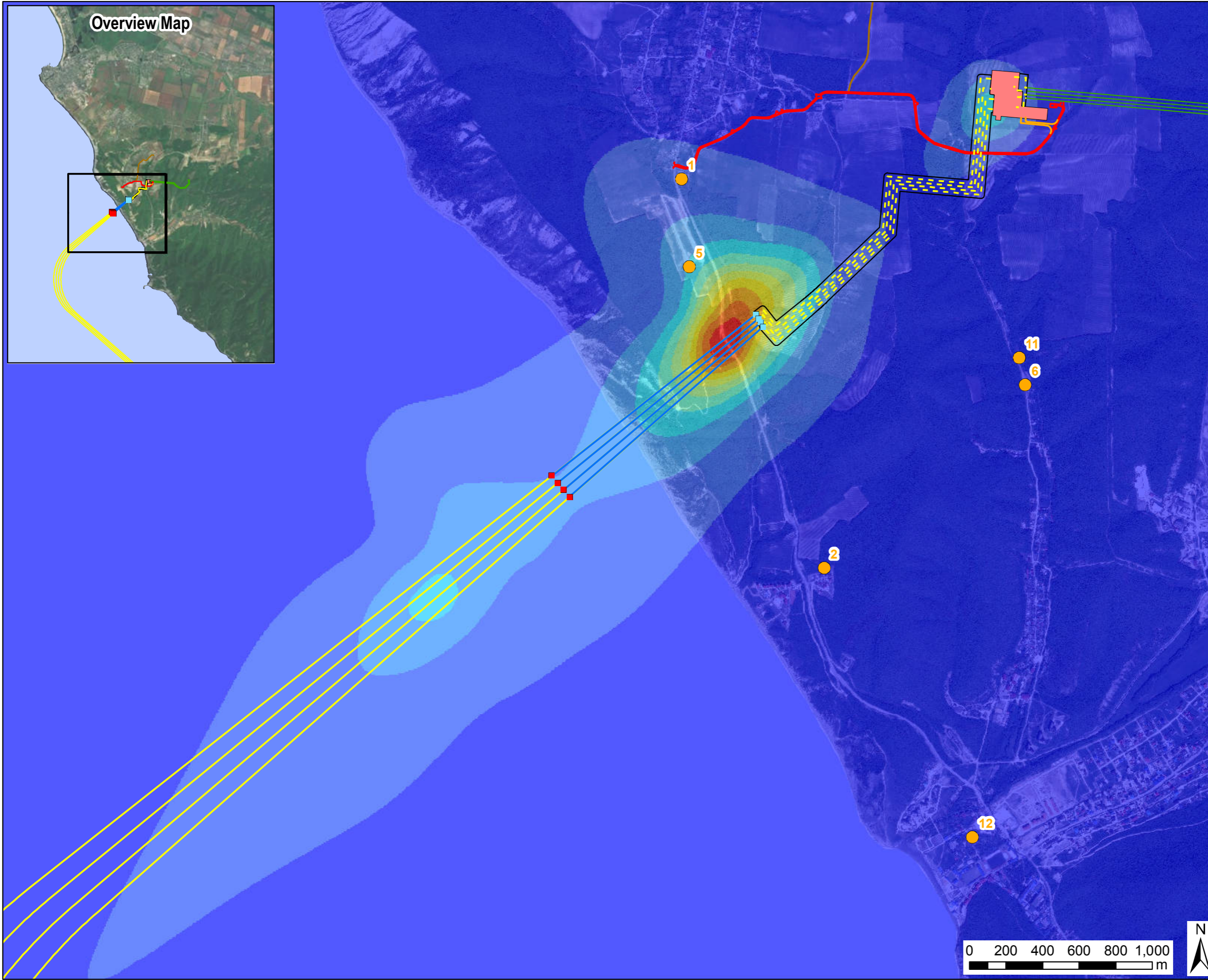
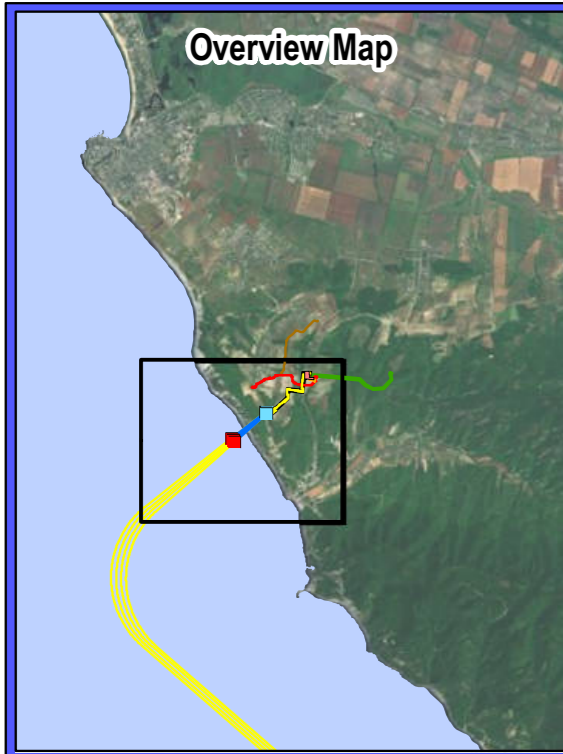


Appendix 9.3: Contour Plots

Plot Date: 27 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A-1 Construction Phase Impact on Annual Mean Ground Level NO2 Concentrations.mxd



Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: **SOUTH STREAM OFFSHORE PIPELINE**

Drawing Title: **CONSTRUCTION PHASE IMPACT ON ANNUAL MEAN GROUND LEVEL NO₂ CONCENTRATIONS**

Drawn: DH	Checked: RW	Approved: MW	Date: 27/02/2014
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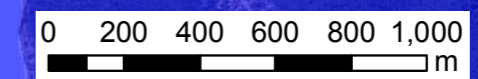
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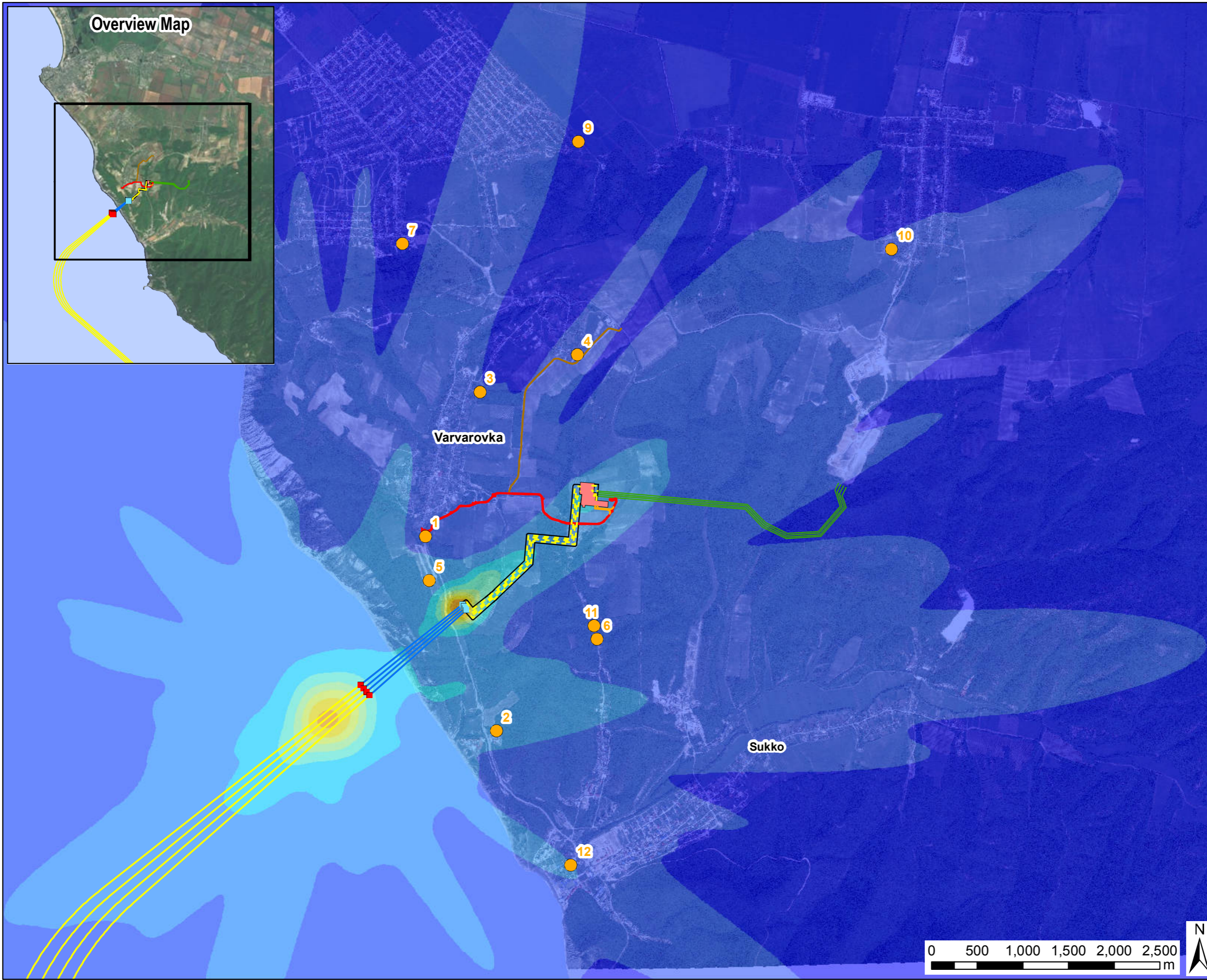
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Drawing Number: **Figure 9.A.1** | Rev:



Plot Date: 27 Feb 2014
 File Name: I:\9004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9-A.2 Construction Phase Impact on Max 20 minute Ground Level NO2 Concentrations.mxd



LEGEND

Construction phase max 20 minute ground level NO₂ concentrations
 micrograms of NO₂ per metre cubed air

- 0- 50
- >50 - 100
- >100 - 150
- >150 - 200
- >200 - 250
- >250 - 300
- >300 - 350
- >350 - 400
- >400 - 450
- >450 - 500
- >500

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
 Offshore Pipeline ENERGING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL NO₂ CONCENTRATIONS

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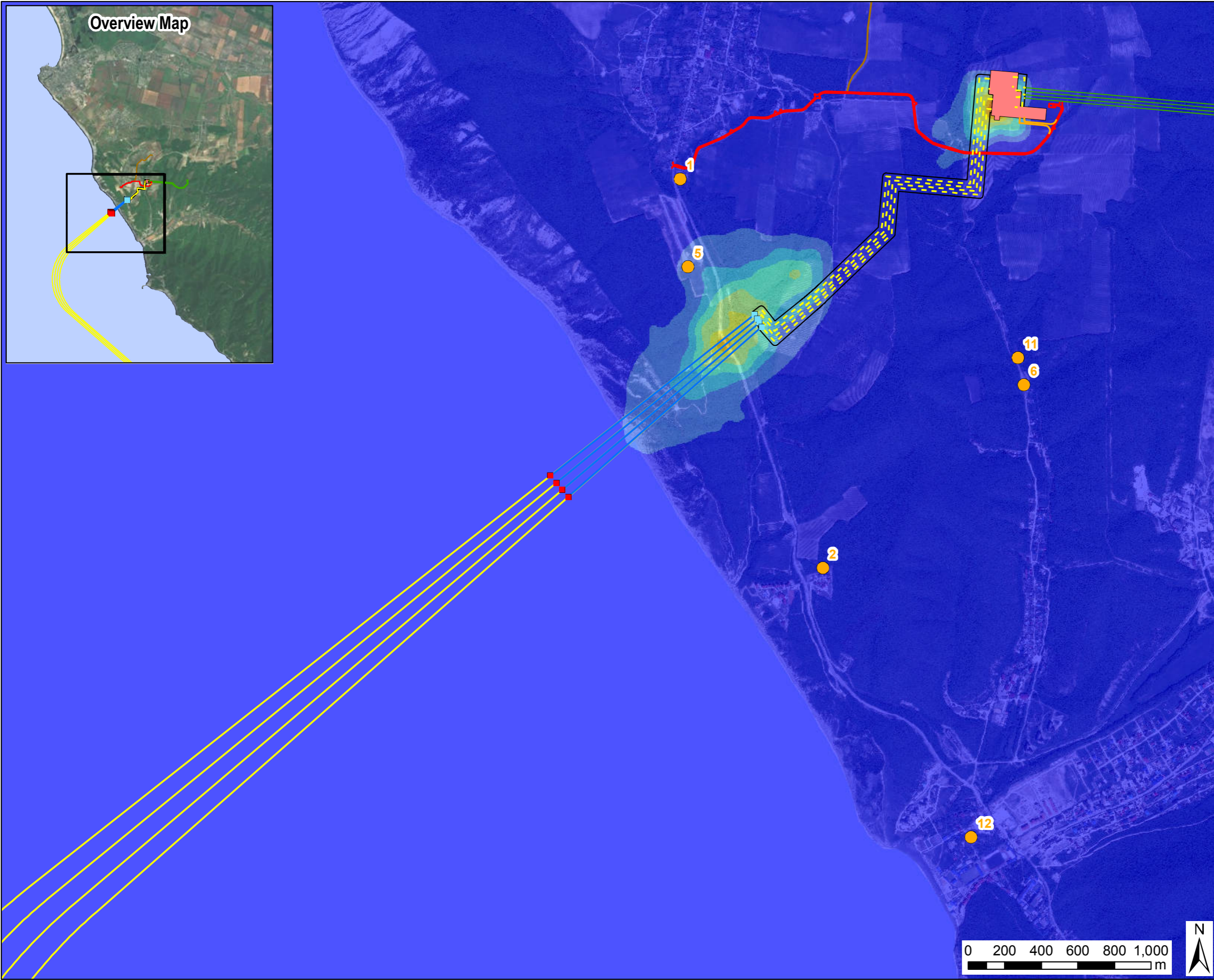
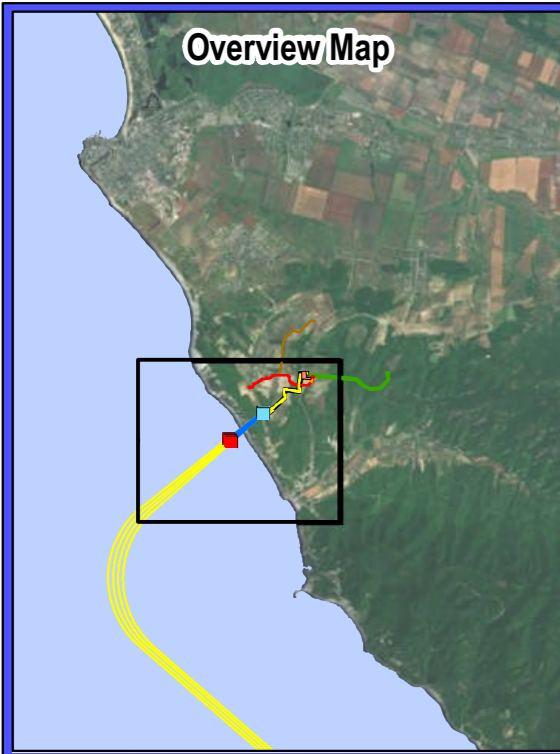
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Scale: 0 500 1,000 1,500 2,000 2,500 m

Drawing Number: Figure 9.A.2

Plot Date: 27 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9-A-3 Construction Phase Impact on Annual Mean Ground Level CO Concentrations.mxd



LEGEND

Construction Phase Impact on Annual Mean Ground Level CO Concentrations micrograms of CO per metre cubed air

- 0 - 2.0
- >2.0 - 4.0
- >4.0 - 6.0
- >6.0 - 8.0
- >8.0 - 10.0
- >10.0 - 12.0
- >12.0 - 14.0
- >14.0 - 16.0
- >16.0 - 18.0

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- - - Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON ANNUAL MEAN GROUND LEVEL CO CONCENTRATIONS

Drawn: DH	Checked: RW	Approved: MW	Date: 27/02/2014
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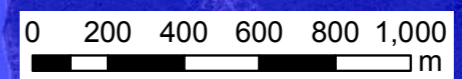
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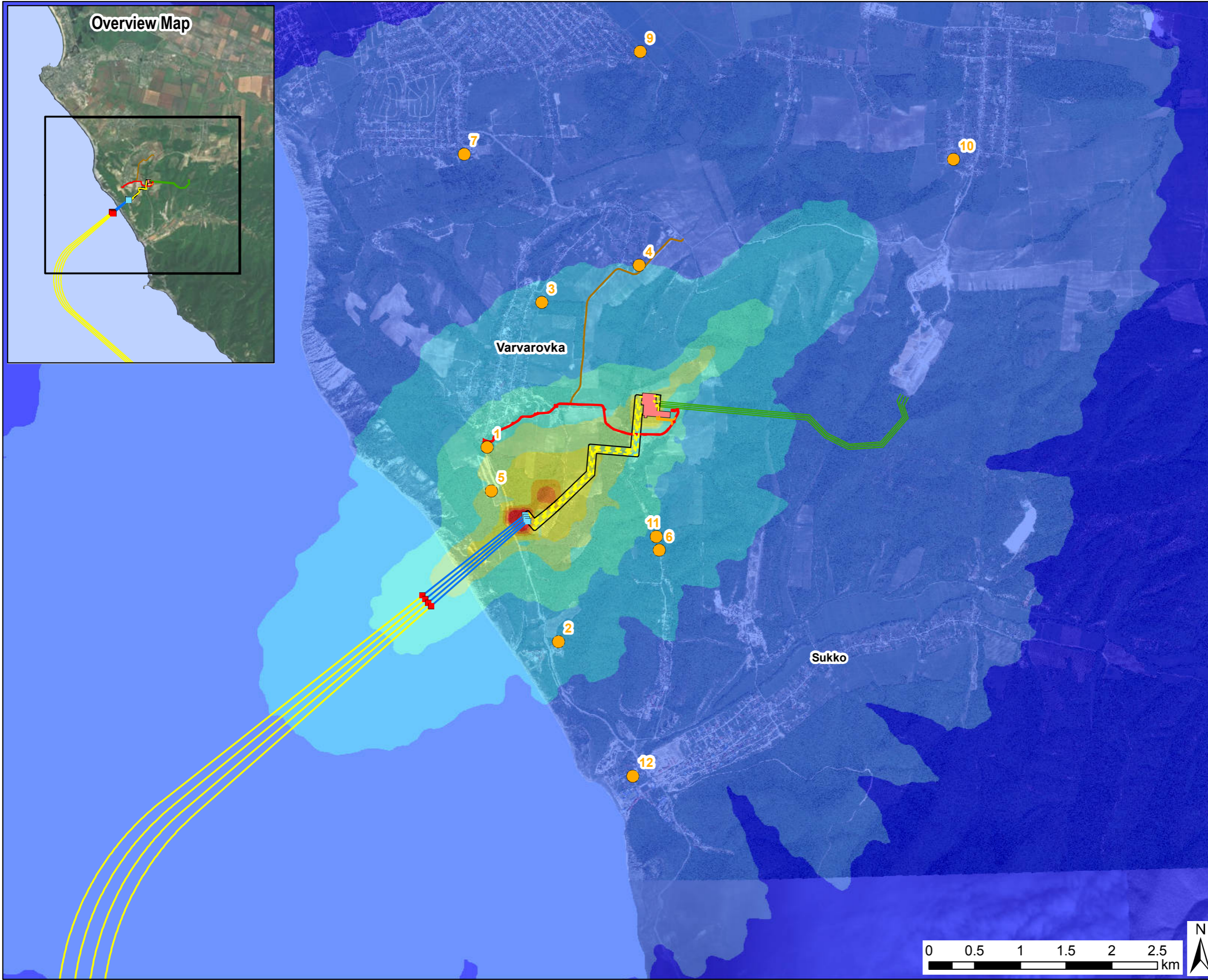
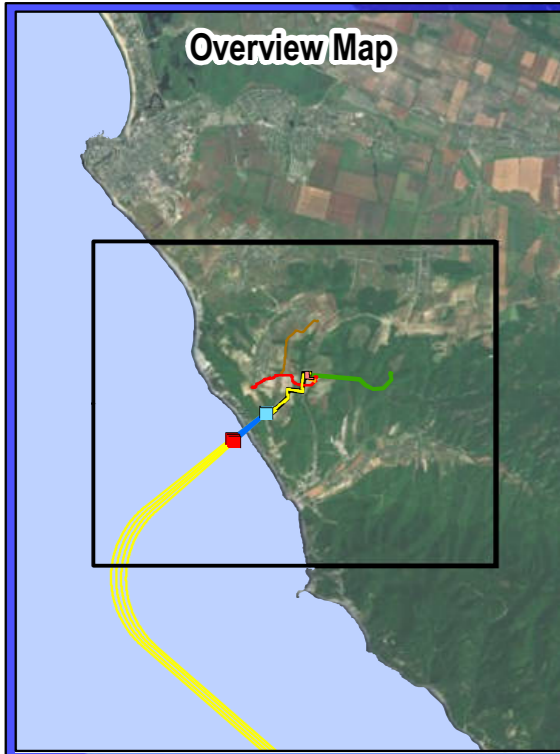
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Drawing Number: Figure 9.A.3



Plot Date: 27 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.4 Construction Phase Impact on Max 20 minute Ground Level CO Concentrations.mxd



LEGEND

Construction Phase Impact on Max 20 minute Ground Level CO Concentrations micrograms of CO per metre cubed air

- 0 - 50
- >50 - 100
- >100 - 150
- >150 - 200
- >200 - 250
- >250 - 500
- >500 - 750
- >750 - 1000
- >1000

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- - - Proposed landfill section pipelines
- Landfill facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL CO CONCENTRATIONS

Drawn	Checked	Approved	Date
DH	RW	MW	27/02/2014

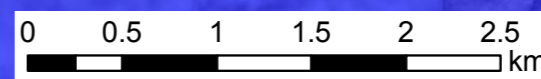
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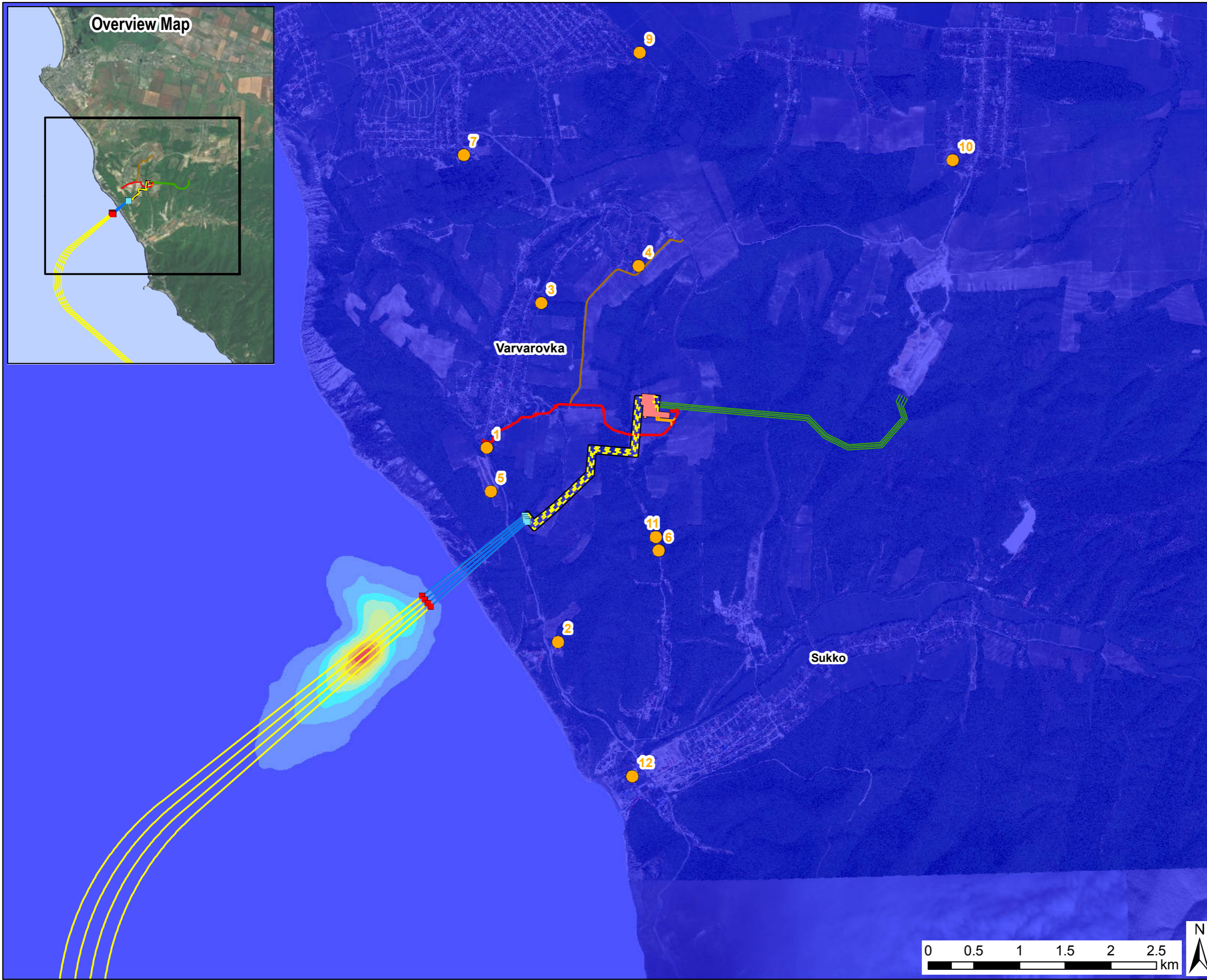
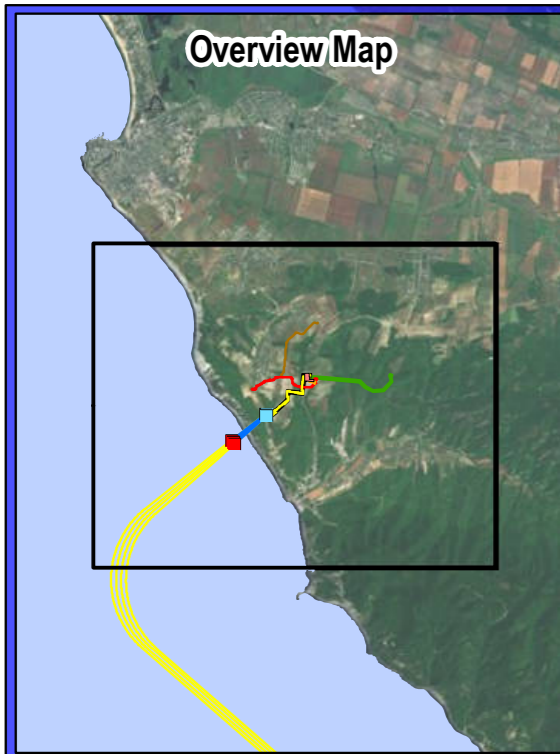
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Drawing Number: Figure 9.A.4





LEGEND

Construction Phase Impact on Annual Mean Ground Level SO₂ Concentrations micrograms of SO₂ per metre cubed air

- 0 - 0.4
- >0.4 - 0.6
- >0.6 - 0.8
- >0.8 - 1
- >1.0 - 1.2
- >1.2 - 1.4
- >1.4 - 1.6
- >1.6 - 1.8
- >1.8 - 2
- >2.0

Air quality sensitive receptors

-

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
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Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON ANNUAL MEAN GROUND LEVEL SO₂ CONCENTRATIONS

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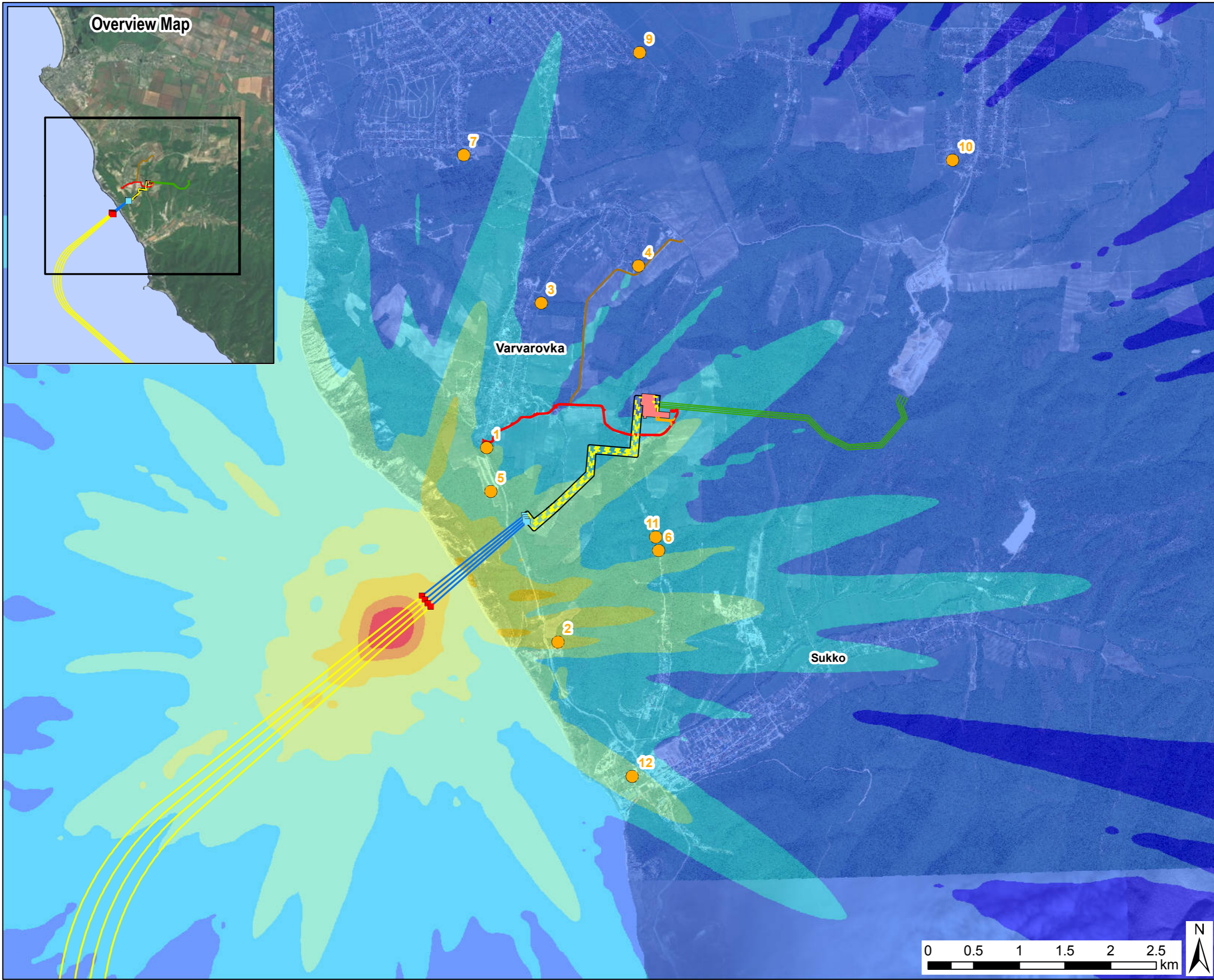
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Scale: 0 0.5 1 1.5 2 2.5 km

Drawing Number: Figure 9.A.5

Plot Date: 27 Feb 2014
 File Name: I:\9004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.6 Construction Phase Impact on Max 10 minute Ground Level SO₂ Concentrations.mxd



LEGEND

Construction Phase Impact on Max 10 minute Ground Level SO₂ Concentrations micrograms of SO₂ per metre cubed air

- 0 - 40
- >40 - 80
- >80 - 120
- >120 - 160
- >160 - 200
- >200 - 300
- >300 - 400
- >400

Air quality sensitive receptors

-

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON MAX 10 MINUTE GROUND LEVEL SO₂ CONCENTRATIONS

Drawn: DH	Checked: RW	Approved: MW	Date: 27/02/2014
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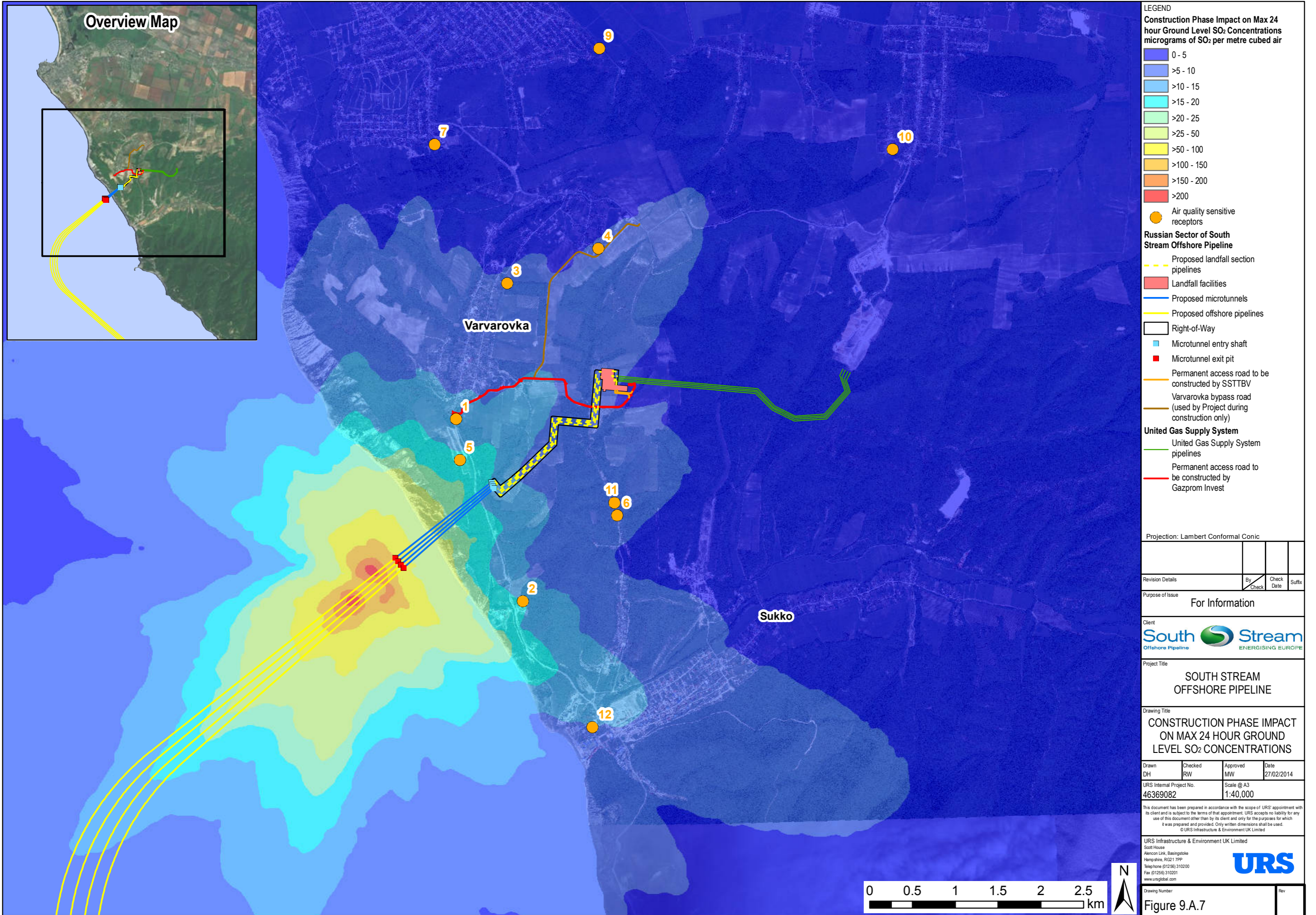
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Drawing Number: Figure 9.A.6

Plot Date: 27 Feb, 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9-A.7 Construction Phase Impact on Max 24 hour Ground Level SO2 Concentrations.mxd



LEGEND

Construction Phase Impact on Max 24 hour Ground Level SO₂ Concentrations micrograms of SO₂ per metre cubed air

- 0 - 5
- >5 - 10
- >10 - 15
- >15 - 20
- >20 - 25
- >25 - 50
- >50 - 100
- >100 - 150
- >150 - 200
- >200

Air quality sensitive receptors

-

Russian Sector of South Stream Offshore Pipeline

- Proposed landfill section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: **SOUTH STREAM OFFSHORE PIPELINE**

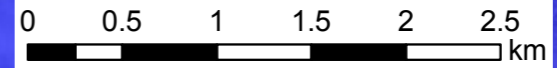
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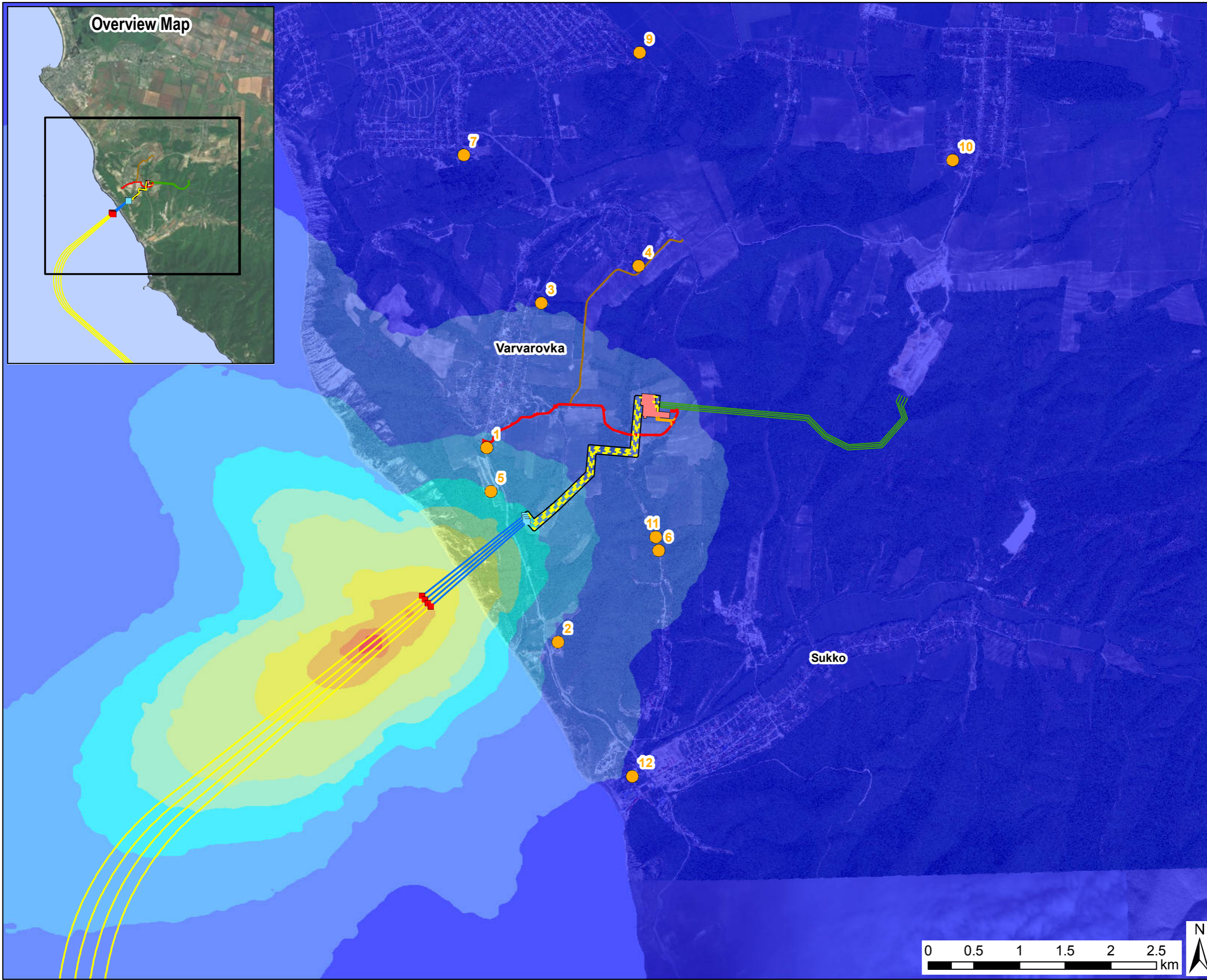
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Drawing Number: **Figure 9.A.7**



Plot Date: 27 Feb 2014
 File Name: I:\9004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.8 Construction Phase Impact on Max 20 minute Ground Level SO2 Concentrations.mxd



LEGEND

Construction Phase Impact on Max 20 minute Ground Level SO₂ Concentrations micrograms of SO₂ per metre cubed air

- 0 - 0.5
- >0.5 - 1.0
- >1.0 - 1.5
- >1.5 - 2.0
- >2.0 - 2.5
- >2.5 - 5.0
- >5.0 - 10.0
- >10.0 - 20.0
- >20.0 - 30.0
- >30.0

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL SO₂ CONCENTRATIONS

Drawn	Checked	Approved	Date
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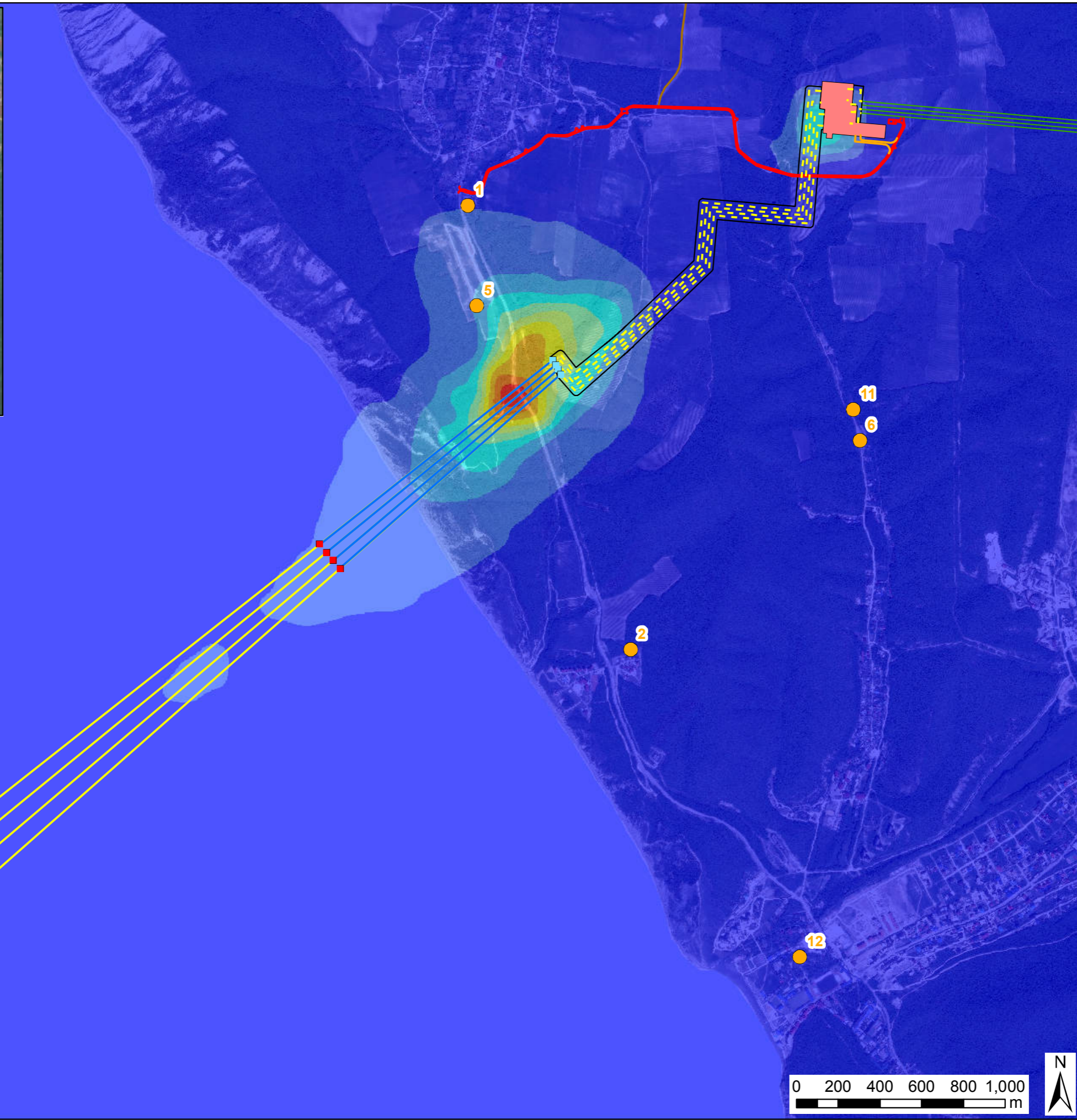
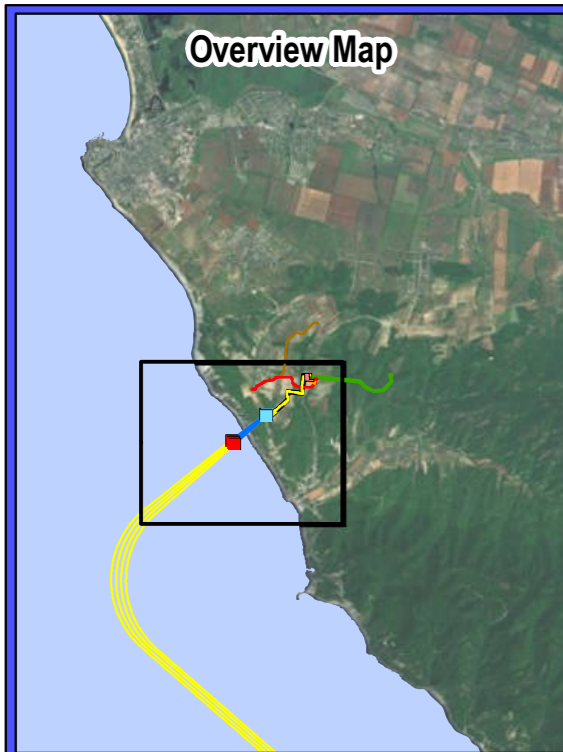
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0 0.5 1 1.5 2 2.5 km

North Arrow

Drawing Number: Figure 9.A.8



LEGEND

Construction Phase Impact on Annual Mean Ground Level Particulate Matter Concentrations
micrograms per metre cubed air

- 0 - 0.2
- >0.2 - 0.4
- >0.4 - 0.6
- >0.6 - 0.8
- >0.8 - 1.0
- >1.0 - 1.2
- >1.2 - 1.4
- >1.4 - 1.6
- >1.6 - 1.8
- >1.8

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details			
By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: **SOUTH STREAM OFFSHORE PIPELINE**

Drawing Title: **CONSTRUCTION PHASE IMPACT ON ANNUAL MEAN GROUND LEVEL PARTICULATE MATTER CONCENTRATIONS**

Drawn: DH	Checked: RW	Approved: MW	Date: 28/02/2014
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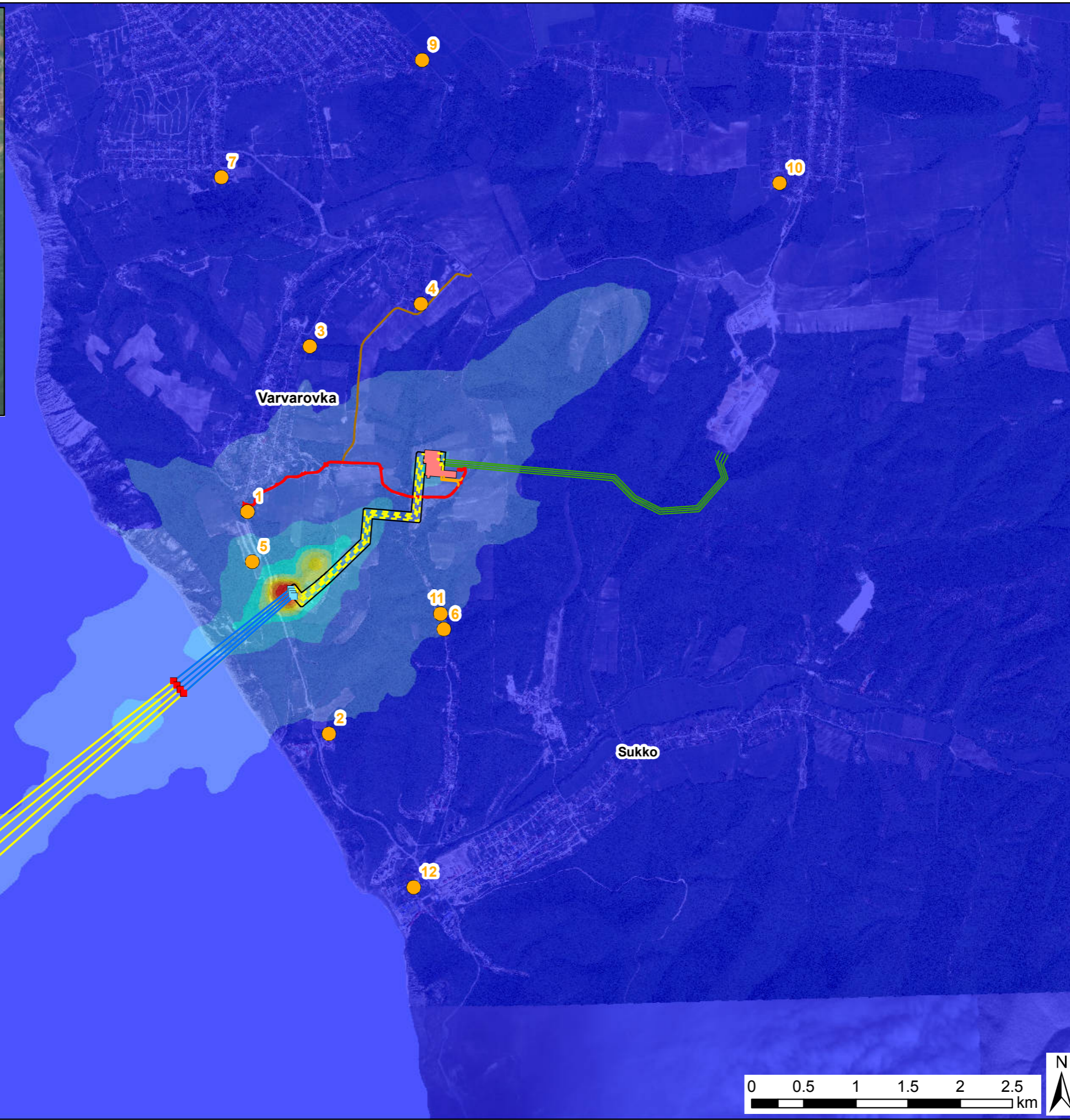
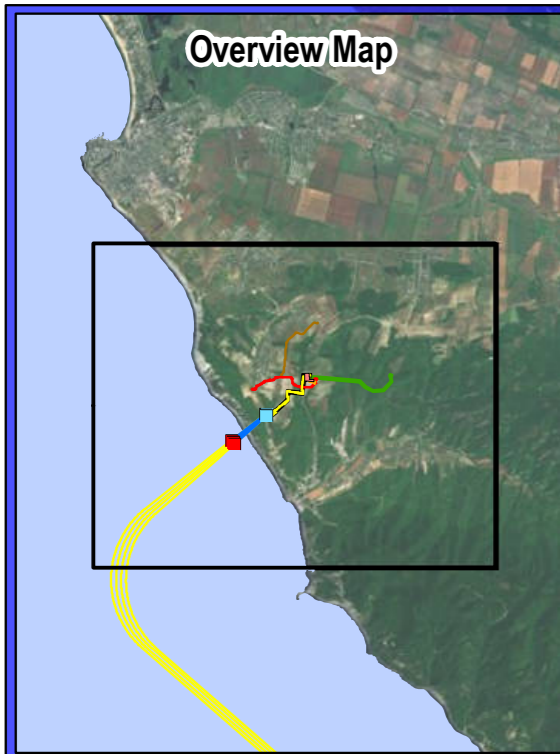
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Scale: 0 200 400 600 800 1,000 m

North Arrow

Drawing Number: Figure 9.A.9	Rev:
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LEGEND

Construction Phase Impact on Max 20 minute Particulate Matter Concentrations micrograms per metre cubed air

- 0 - 10
- >10 - 20
- >20 - 30
- >30 - 40
- >40 - 50
- >50 - 60
- >60 - 70
- >70 - 80
- >80 - 90
- >90

Air quality sensitive receptors

-

Russian Sector of South Stream Offshore Pipeline

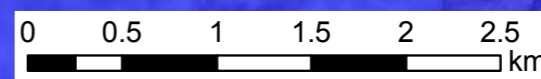
- Proposed landfill section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

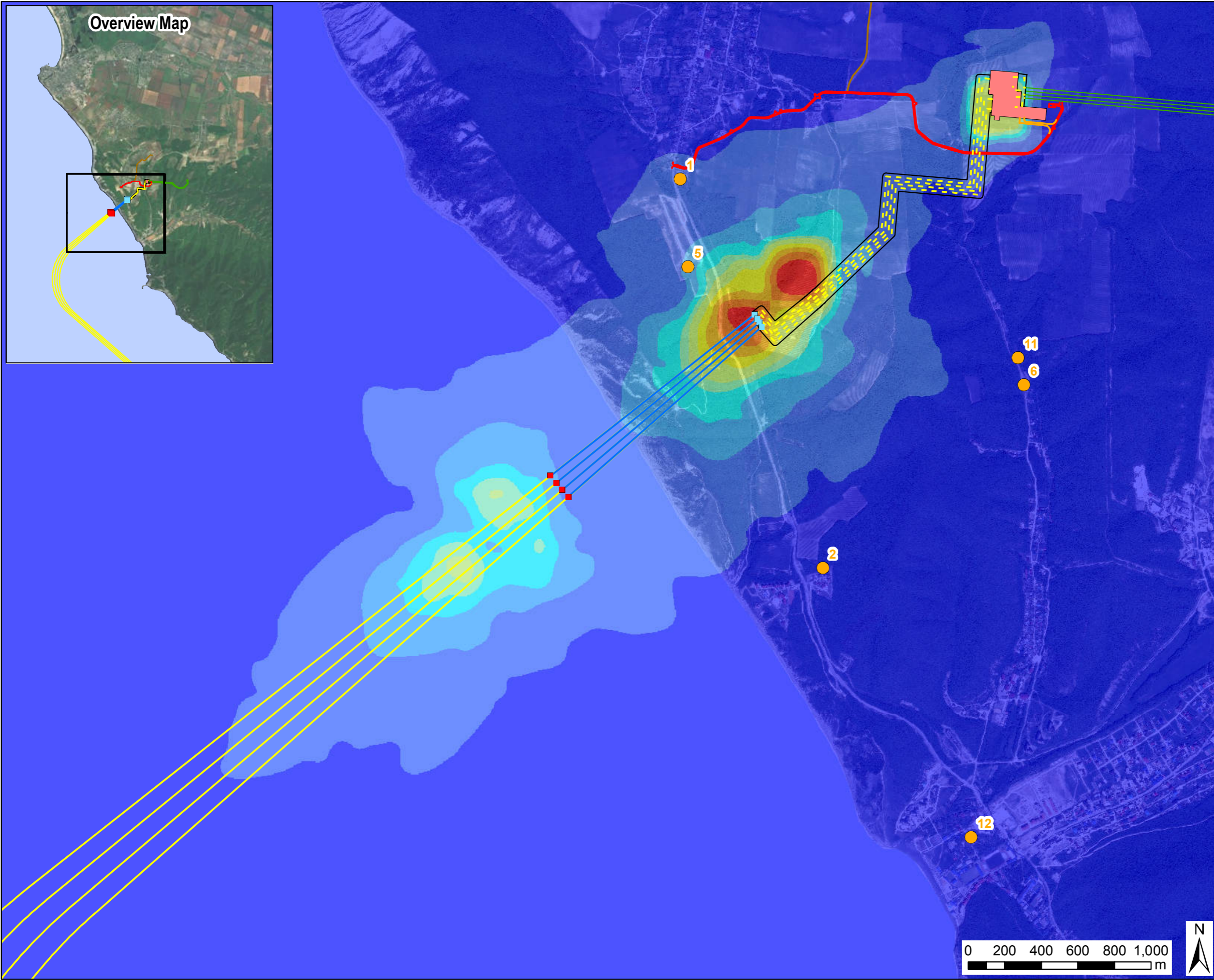
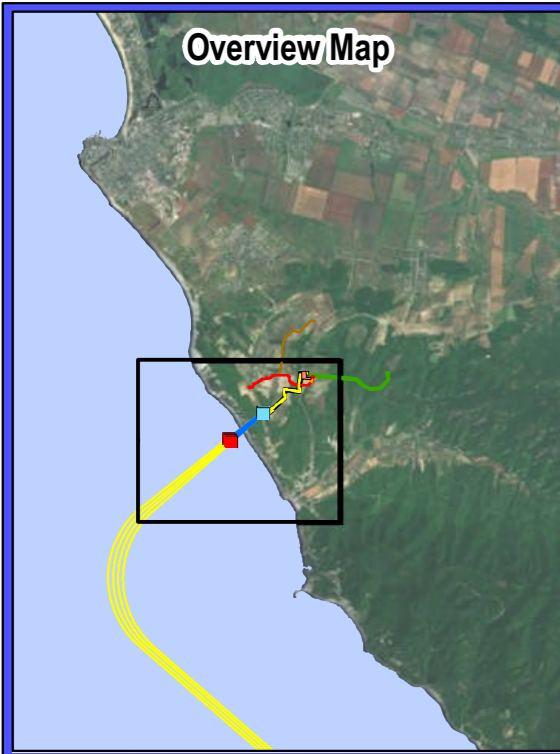
- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

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Purpose of Issue				
For Information				
Client				
Project Title				
SOUTH STREAM OFFSHORE PIPELINE				
Drawing Title				
CONSTRUCTION PHASE IMPACT ON MAX 20 MINUTE PARTICULATE MATTER CONCENTRATIONS				
Drawn	Checked	Approved	Date	
DH	RW	MW	28/02/2014	
URS Internal Project No.		Scale @ A3		
46369082		1:40,000		
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Figure 9.A.10				



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 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.11 Construction Phase Impact on Max 24 hour Particulate Matter Concentrations.mxd



LEGEND
Construction Phase Impact on Max 24 hour Particulate Matter Concentrations
 micrograms per metre cubed air

- 0 - 2
- >2 - 4
- >4 - 6
- >6 - 8
- >8 - 10
- >10 - 15
- >15 - 20
- >20 - 25
- >25 - 30
- >30

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

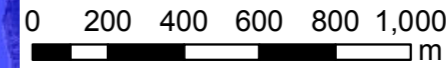
- - - Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

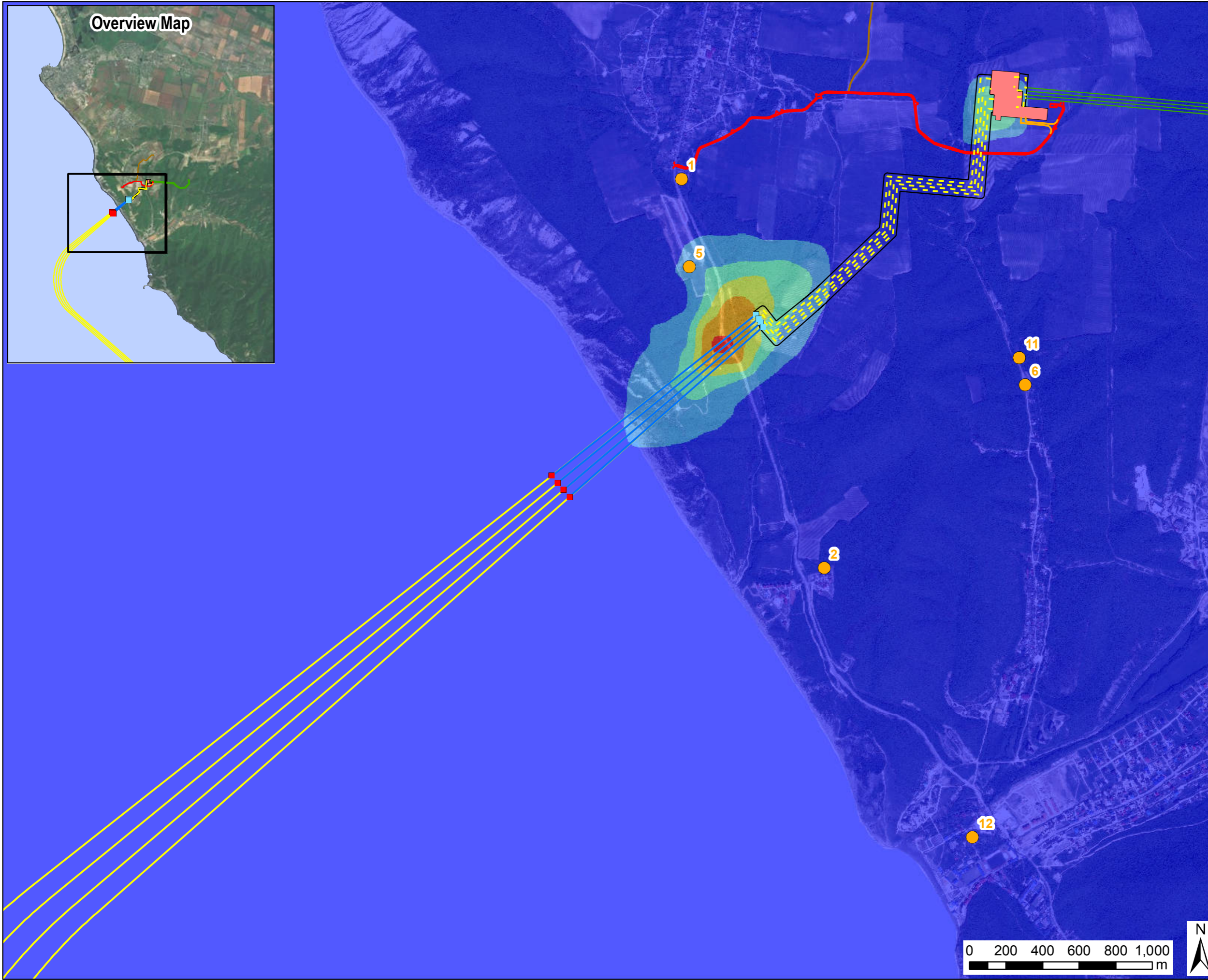
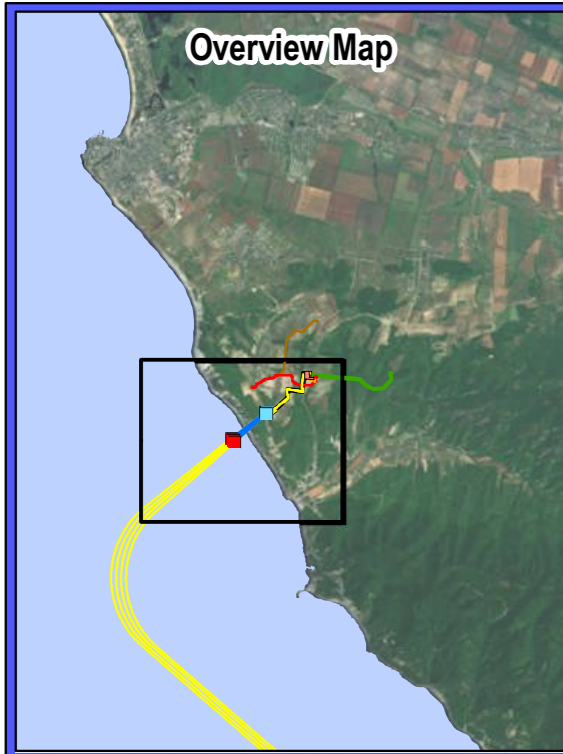
- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details				By	Check	Date	Suffix
Purpose of Issue				For Information			
Client							
Project Title							
SOUTH STREAM OFFSHORE PIPELINE							
Drawing Title							
CONSTRUCTION PHASE IMPACT ON MAX 24 HOUR PARTICULATE MATTER CONCENTRATIONS							
Drawn	Checked	Approved	Date				
DH	RW	MW	28/02/2014				
URS Internal Project No.			Scale @ A3				
46369082			1:20,000				
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							Rev
Drawing Number							Figure 9.A.11



Plot Date: 27 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.12 Construction Phase Impact on Annual Mean Ground Level Benzene Concentrations.mxd



LEGEND

Construction Phase Impact on Annual Mean Ground Level Benzene Concentrations micrograms of benzene per metre cubed air <VALUE>

- 0 - 0.5
- >0.5 - 1.0
- >1.0 - 1.5
- >1.5 - 2.0
- >2.0 - 2.5
- >2.5 - 3.0

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: CONSTRUCTION PHASE IMPACT ON ANNUAL MEAN GROUND LEVEL BENZENE CONCENTRATIONS

Drawn: DH	Checked: RW	Approved: MW	Date: 27/02/2014
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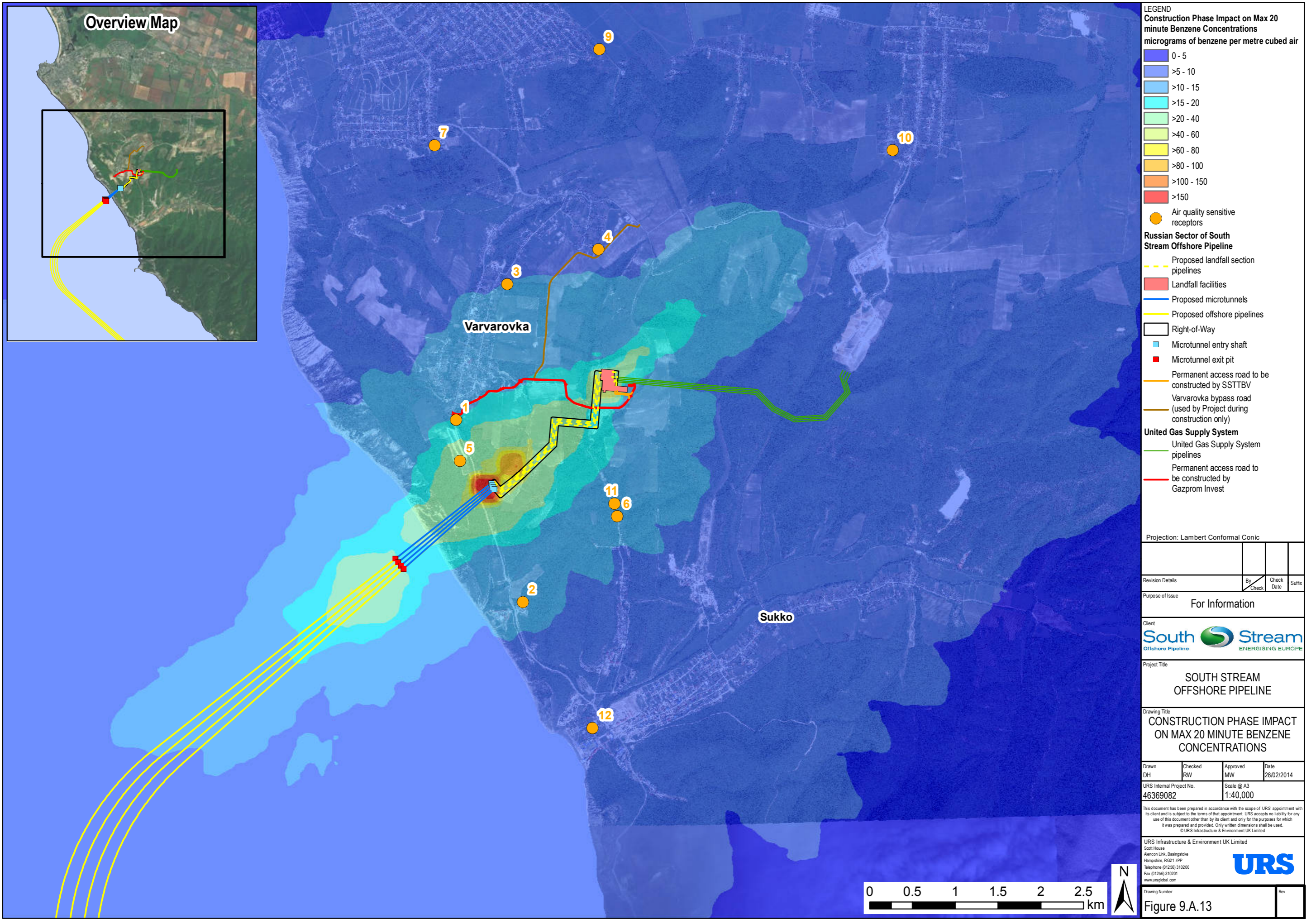
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Scale: 0 200 400 600 800 1,000 m

Drawing Number: Figure 9.A.12

Plot Date: 28 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\Maps\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.A.13 Construction Phase Impact on Max 20 minute Benzene Concentrations.mxd



- LEGEND**
- Construction Phase Impact on Max 20 minute Benzene Concentrations**
 micrograms of benzene per metre cubed air
- 0 - 5
 - >5 - 10
 - >10 - 15
 - >15 - 20
 - >20 - 40
 - >40 - 60
 - >60 - 80
 - >80 - 100
 - >100 - 150
 - >150
- Air quality sensitive receptors
- Russian Sector of South Stream Offshore Pipeline**
- Proposed landfall section pipelines
 - Landfall facilities
 - Proposed microtunnels
 - Proposed offshore pipelines
 - Right-of-Way
 - Microtunnel entry shaft
 - Microtunnel exit pit
 - Permanent access road to be constructed by SSTTBV
 - Varvarovka bypass road (used by Project during construction only)
- United Gas Supply System**
- United Gas Supply System pipelines
 - Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information



Project Title: SOUTH STREAM OFFSHORE PIPELINE

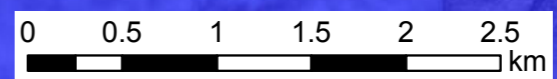
Drawing Title: CONSTRUCTION PHASE IMPACT ON MAX 20 MINUTE BENZENE CONCENTRATIONS

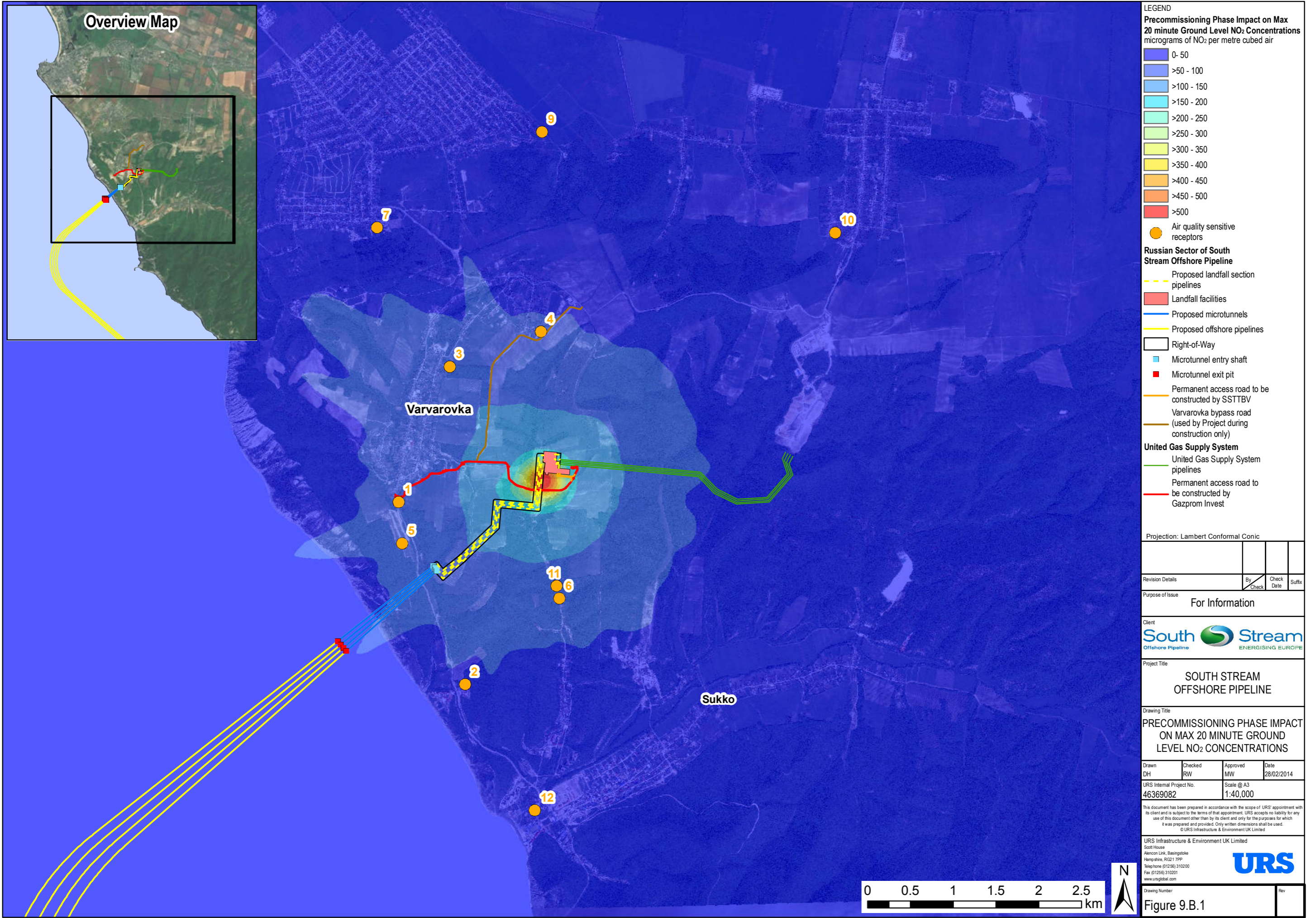
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Drawing Number: Figure 9.A.13





LEGEND

Precommissioning Phase Impact on Max 20 minute Ground Level NO₂ Concentrations
 micrograms of NO₂ per metre cubed air

- 0- 50
- >50 - 100
- >100 - 150
- >150 - 200
- >200 - 250
- >250 - 300
- >300 - 350
- >350 - 400
- >400 - 450
- >450 - 500
- >500

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue
 For Information

Client
South Stream
 OFFSHORE PIPELINE ENERGISING EUROPE

Project Title
SOUTH STREAM OFFSHORE PIPELINE

Drawing Title
PRECOMMISSIONING PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL NO₂ CONCENTRATIONS

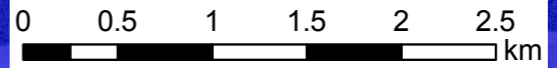
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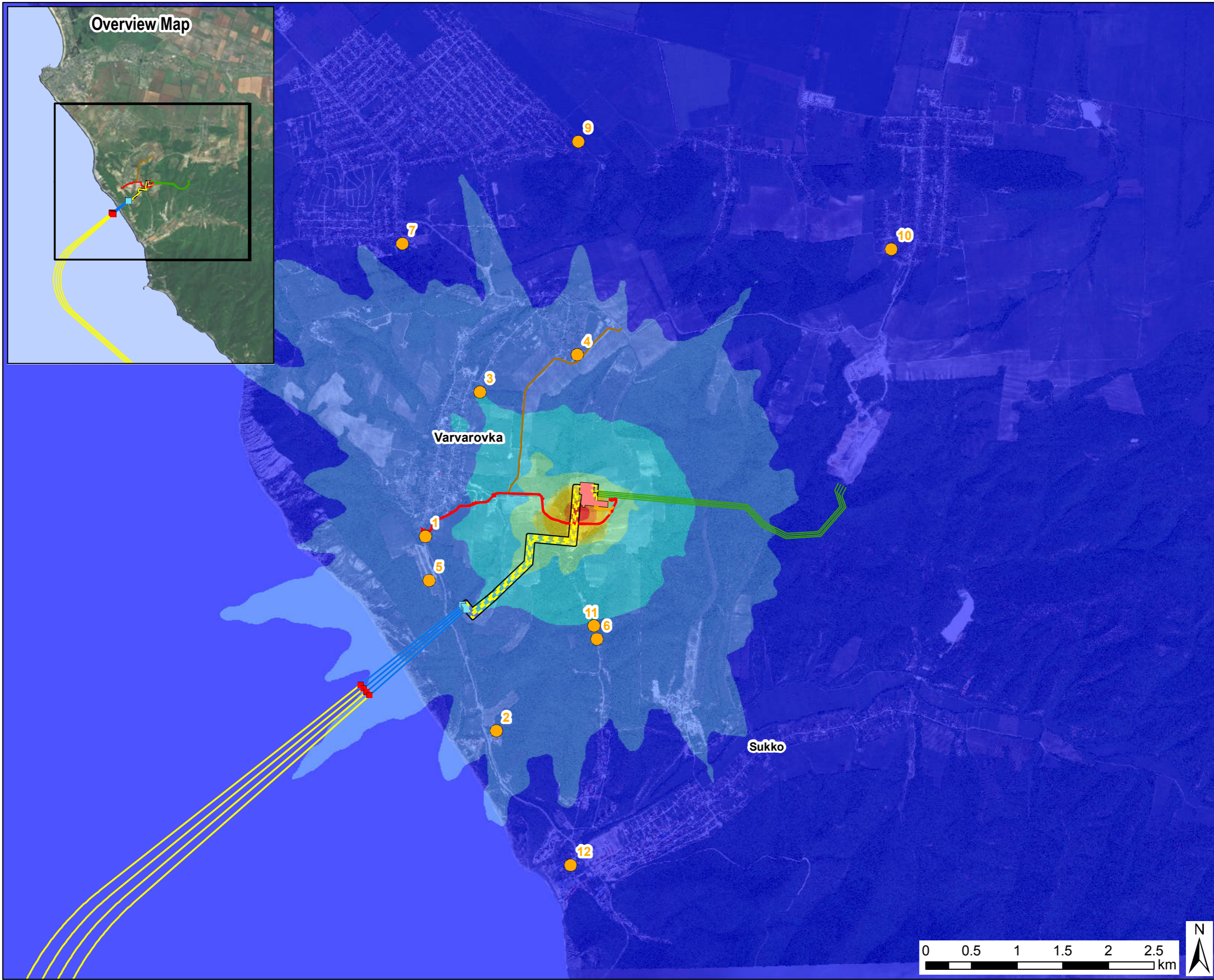
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Drawing Number Figure 9.B.1	Rev
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Plot Date: 28 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.B.2 Precommissioning Phase Impact on Max 20 minute Ground Level CO Concentrations.mxd



LEGEND

Precommissioning Phase Impact on Max 20 minute Ground Level CO Concentrations micrograms of CO per metre cubed air

- 0 - 100
- >100 - 200
- >200 - 300
- >300 - 400
- >400 - 500
- >500 - 1,000
- >1000 - 1500
- >1500

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Check Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: PRECOMMISSIONING PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL CO CONCENTRATIONS

Drawn	Checked	Approved	Date
DH	RW	MW	28/02/2014

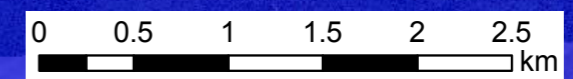
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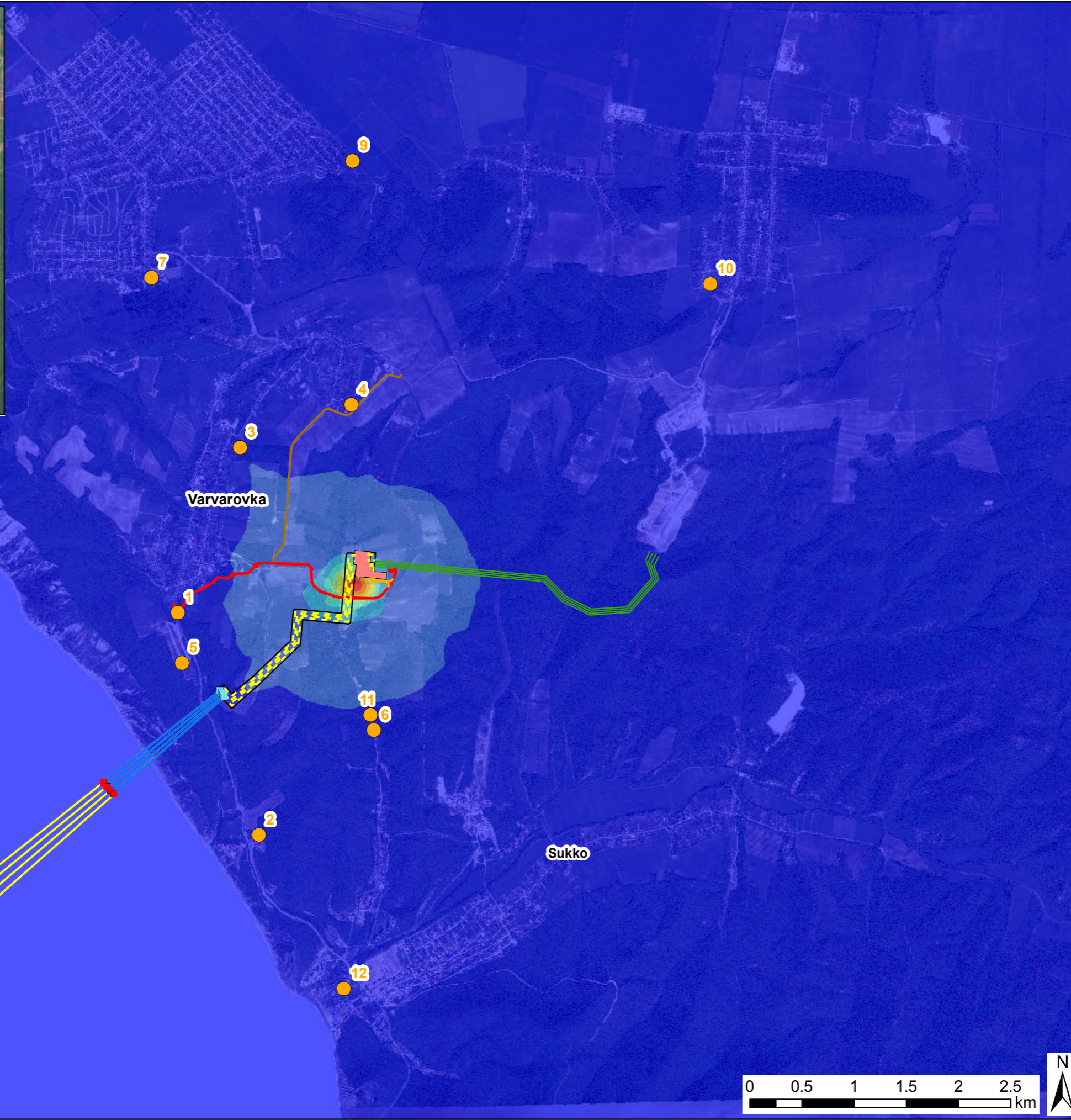
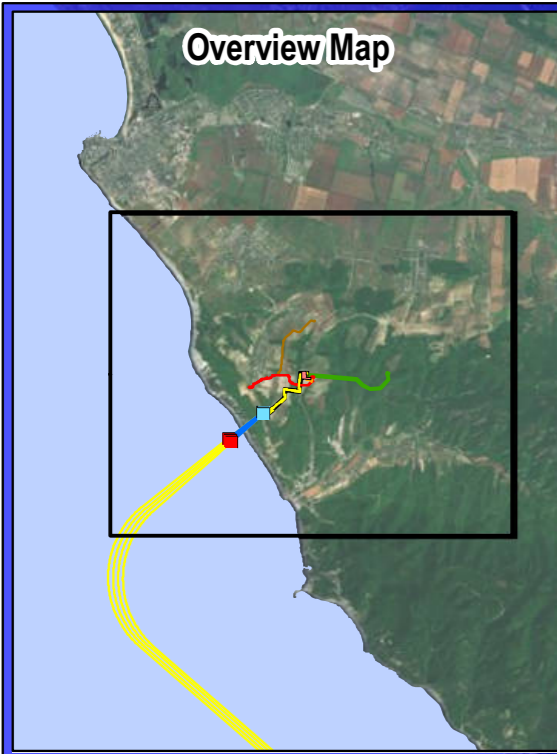
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Drawing Number: Figure 9.B.2



Plot Date: 28 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.B.3 Precommissioning Phase Impact on Max 20 minute Ground Level SO₂ Concentrations.mxd



LEGEND

Precommissioning Phase Impact on Max 20 minute Ground Level SO₂ Concentrations micrograms of SO₂ per metre cubed air

- 0 - 0.2
- >0.2 - 0.4
- >0.4 - 0.6
- >0.6 - 0.8
- >0.8 - 1.0
- >1.0 - 1.2
- >1.2 - 1.4
- >1.4 - 1.6
- >1.6

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- - - Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Check Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: **SOUTH STREAM OFFSHORE PIPELINE**

Drawing Title: **PRECOMMISSIONING PHASE IMPACT ON MAX 20 MINUTE GROUND LEVEL SO₂ CONCENTRATIONS**

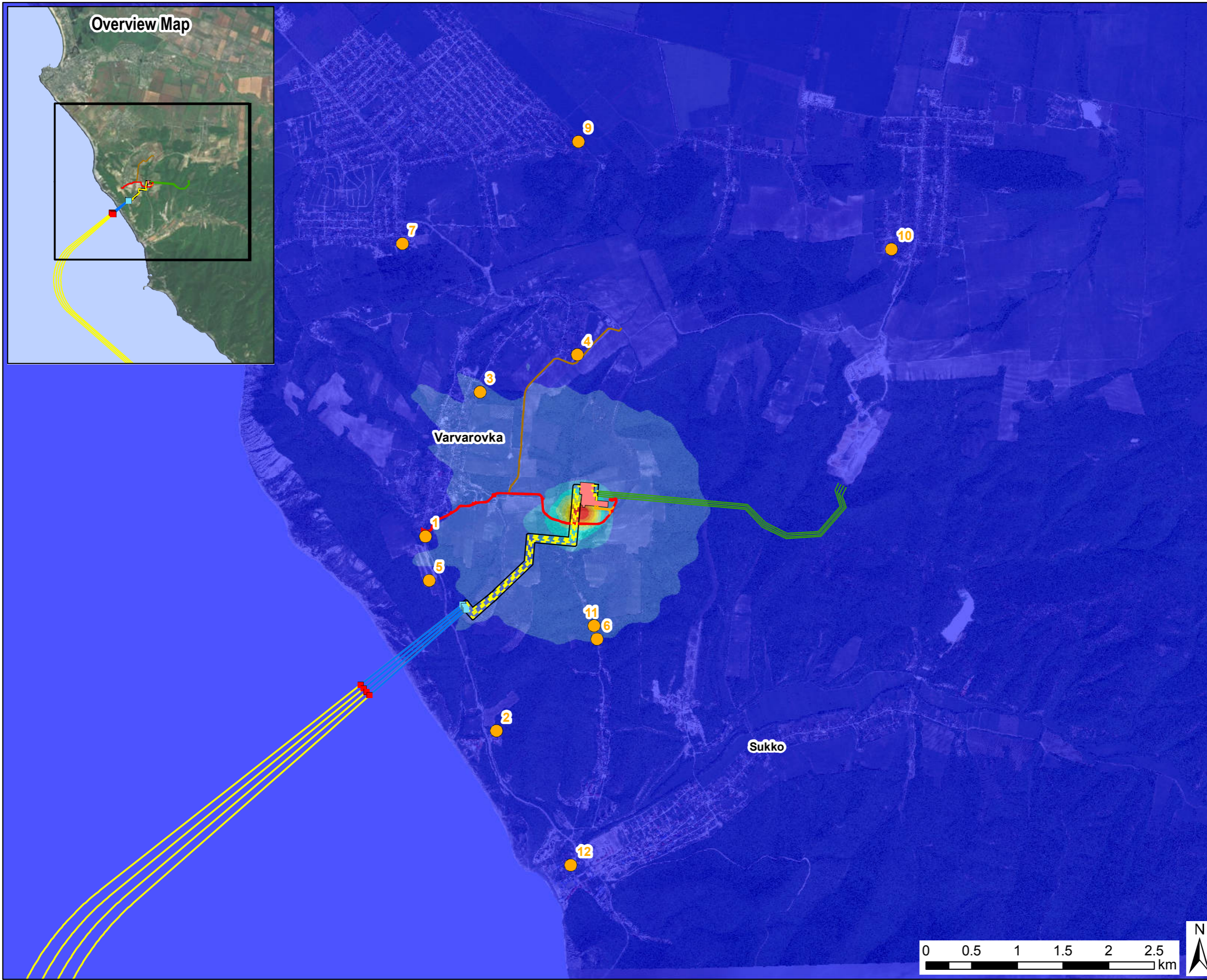
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LEGEND

Precommissioning Phase Impact on Max 20 minute Particulate Matter Concentrations micrograms per metre cubed air

- 0 - 10
- >10 - 20
- >20 - 30
- >30 - 40
- >40 - 50
- >50 - 60
- >60 - 70
- >70 - 80
- >80 - 90
- >90

● Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
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- Proposed offshore pipelines
- Right-of-Way
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- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream** OFFSHORE PIPELINE ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: PRECOMMISSIONING PHASE IMPACT ON MAX 20 MINUTE PARTICULATE MATTER CONCENTRATIONS

Drawn: DH	Checked: RW	Approved: MW	Date: 28/02/2014
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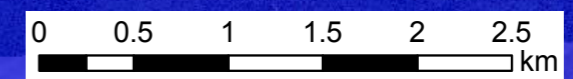
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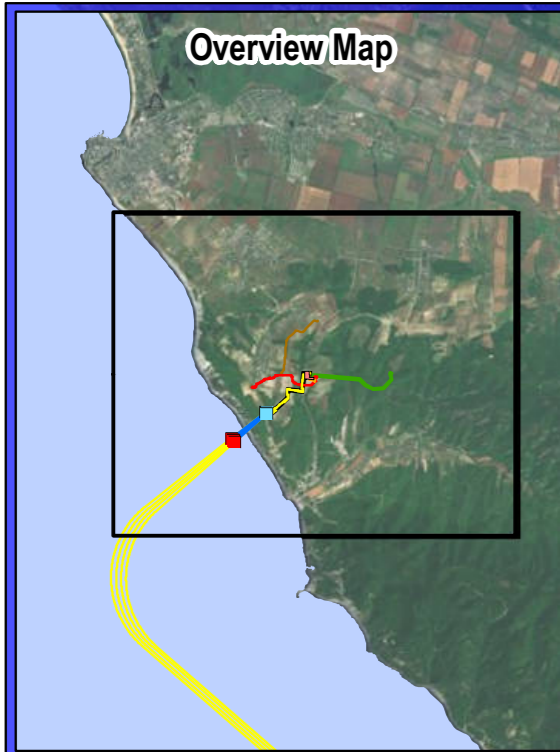
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Drawing Number: Figure 9.B.4



Plot Date: 28 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9.B.5 Precommissioning Phase Impact on Max 24 hour Particulate Matter Concentrations.mxd



LEGEND

Precommissioning Phase Impact on Max 24 hour Particulate Matter Concentrations micrograms per metre cubed air

- 0 - 5
- >5 - 10
- >10 - 15
- >15 - 20
- >20 - 25
- >25 - 30
- >30 - 35
- >35 - 40
- >40 - 45
- >45

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Date	Suffix

Purpose of Issue: For Information

Client: **South Stream**
Offshore Pipeline ENERGISING EUROPE

Project Title: SOUTH STREAM OFFSHORE PIPELINE

Drawing Title: PRECOMMISSIONING PHASE IMPACT ON MAX 24 HOUR PARTICULATE MATTER CONCENTRATIONS

Drawn: DH	Checked: RW	Approved: MW	Date: 28/02/2014
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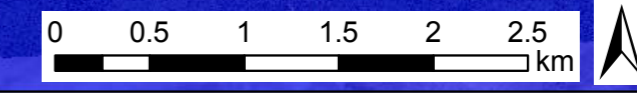
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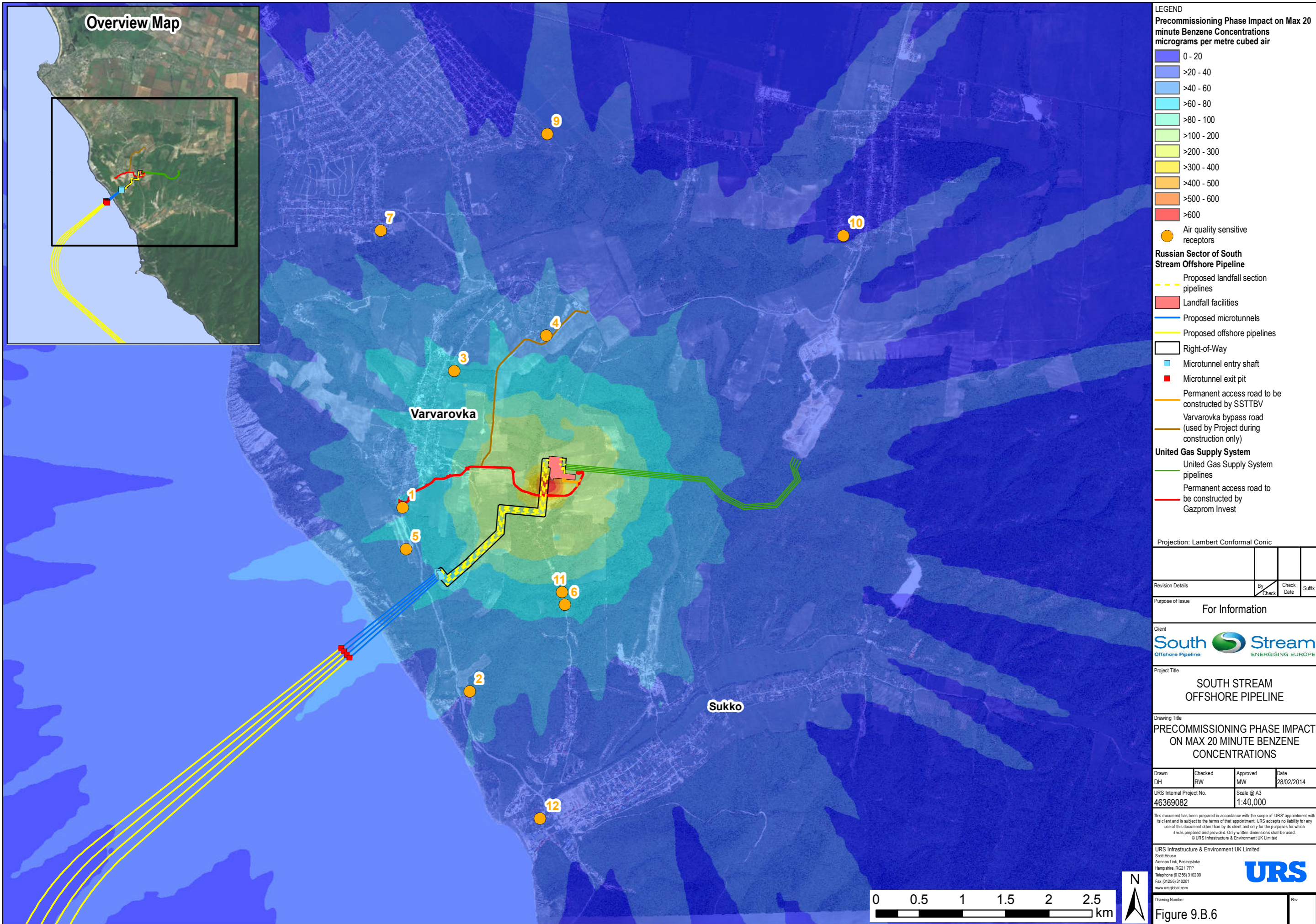
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Drawing Number: Figure 9.B.5



Plot Date: 28 Feb 2014
 File Name: I:\5004 - Information Systems\46369082_South_Stream\MXDs\Report Maps - Russia\Russian ESIA v2\Chapter 9 Air Quality\Figure 9-B.6 Precommissioning Phase Impact on Max 20 minute Benzene Concentrations.mxd



LEGEND

Precommissioning Phase Impact on Max 20 minute Benzene Concentrations micrograms per metre cubed air

- 0 - 20
- >20 - 40
- >40 - 60
- >60 - 80
- >80 - 100
- >100 - 200
- >200 - 300
- >300 - 400
- >400 - 500
- >500 - 600
- >600

- Air quality sensitive receptors

Russian Sector of South Stream Offshore Pipeline

- Proposed landfall section pipelines
- Landfall facilities
- Proposed microtunnels
- Proposed offshore pipelines
- Right-of-Way
- Microtunnel entry shaft
- Microtunnel exit pit
- Permanent access road to be constructed by SSTTBV
- Varvarovka bypass road (used by Project during construction only)

United Gas Supply System

- United Gas Supply System pipelines
- Permanent access road to be constructed by Gazprom Invest

Projection: Lambert Conformal Conic

Revision Details	By	Check	Check Date	Suffix
Purpose of Issue				
For Information				
Client				
Project Title				
SOUTH STREAM OFFSHORE PIPELINE				
Drawing Title				
PRECOMMISSIONING PHASE IMPACT ON MAX 20 MINUTE BENZENE CONCENTRATIONS				
Drawn	Checked	Approved	Date	
DH	RW	MW	28/02/2014	
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Drawing Number				Rev
Figure 9.B.6				

