

APPENDIX N

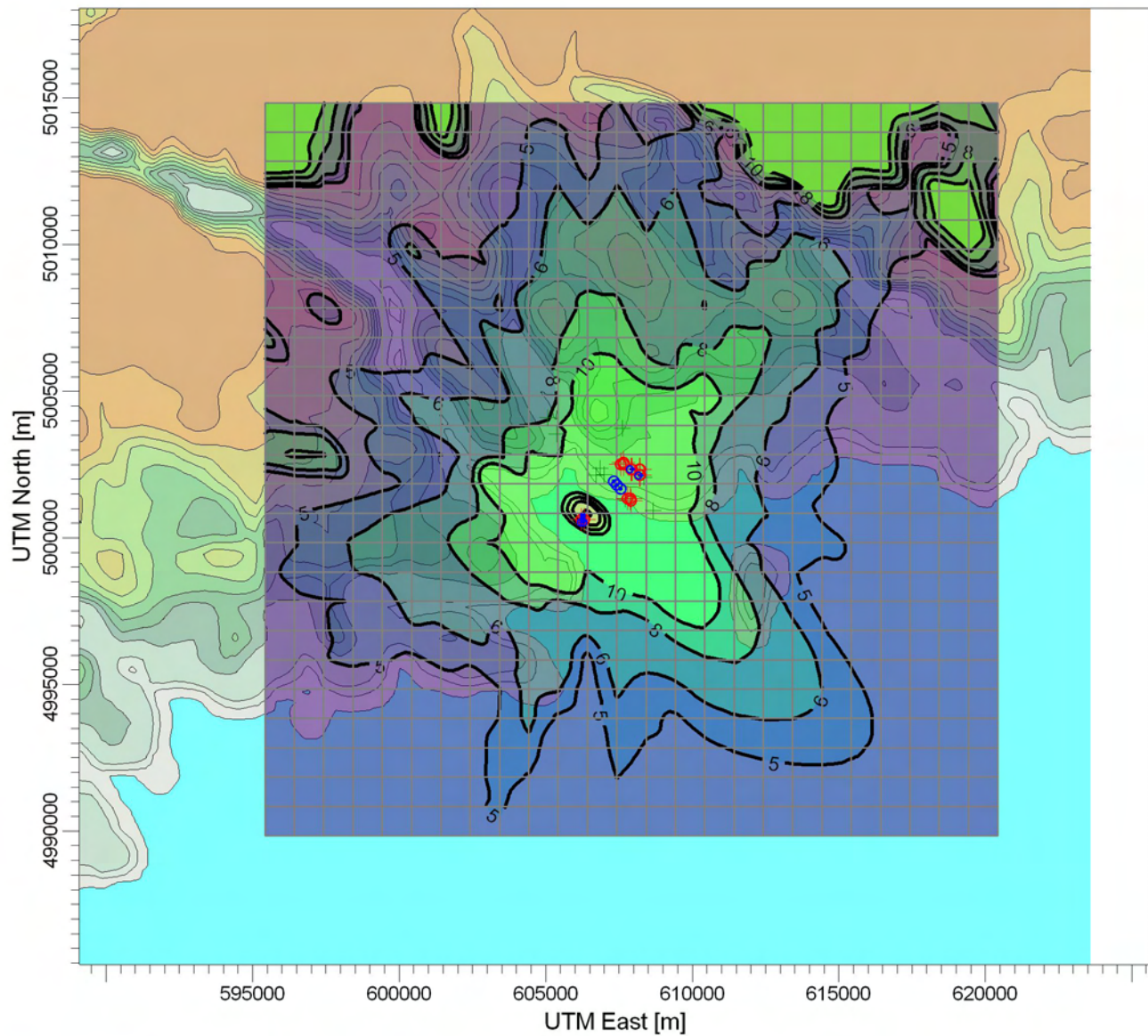
AIR DISPERSION MODELLING RESULTS



**GOLDBORO
LNG**

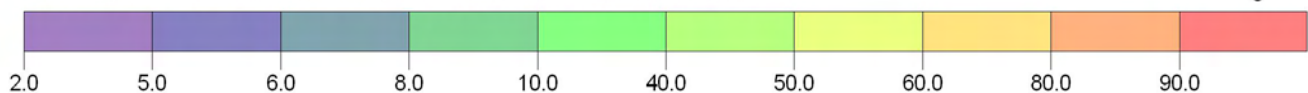
PROJECT TITLE:

CO GLCs for a 8 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:229,904

0  5 km

MAX:

86.89006 ug/m³

DATE:

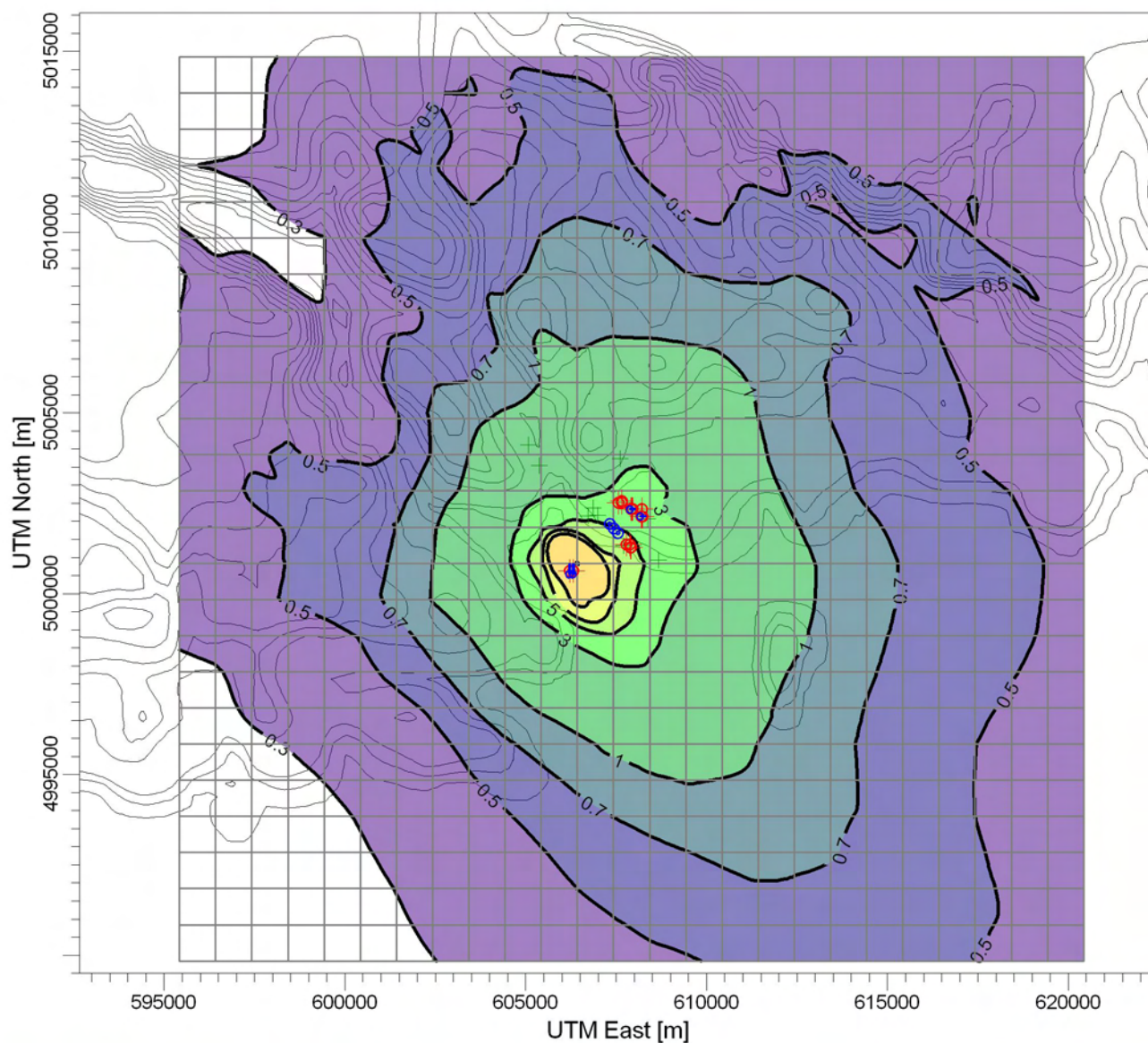
7/31/2013

PROJECT NO.:

TV121039

PROJECT TITLE:

NO2 GLCs for an Annual Averaging Period - Normal Conditions



PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:187,184

0

5 km

MAX:

30.75491 ug/m³

DATE:

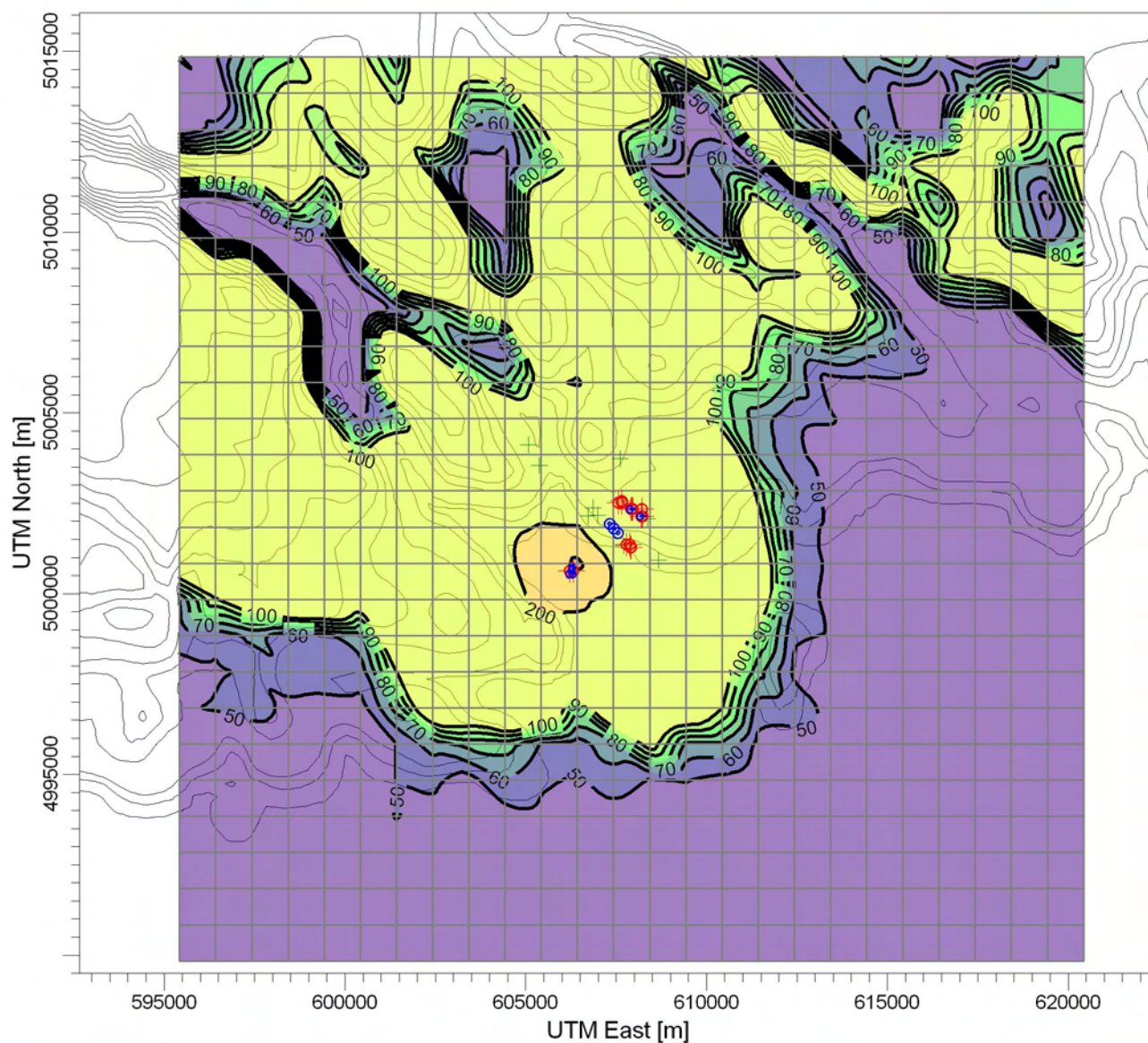
7/31/2013

PROJECT NO.:

TV121039

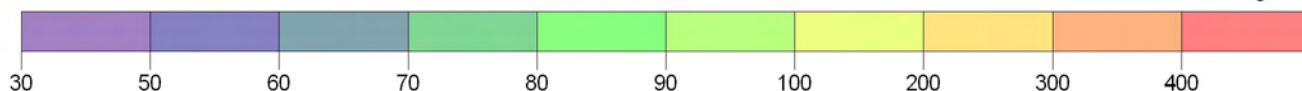
PROJECT TITLE:

NO2 GLCs for a 1 Hour Averaging Period - Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:187,206

0

5 km

MAX:

318.69403 ug/m³

DATE:

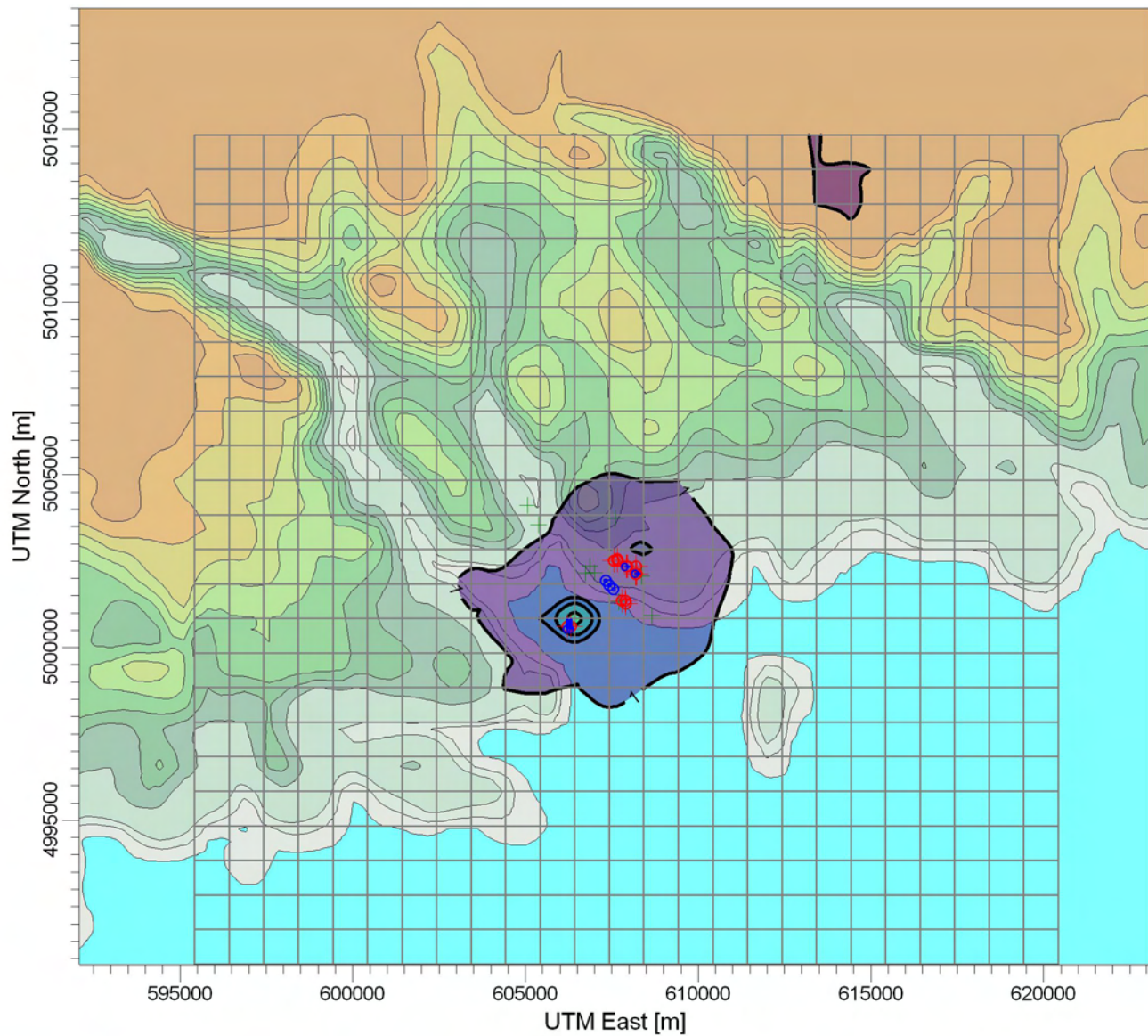
7/30/2013

PROJECT NO.:

TV121039

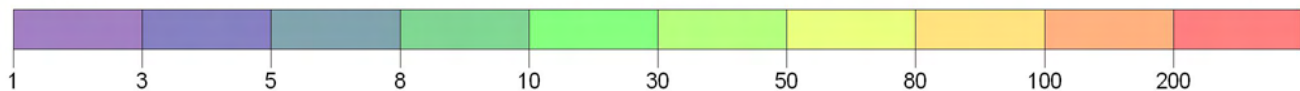
PROJECT TITLE:

PM2.5 GLCs for a 24 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:195,072

0

5 km

MAX:

9.91748 ug/m³

DATE:

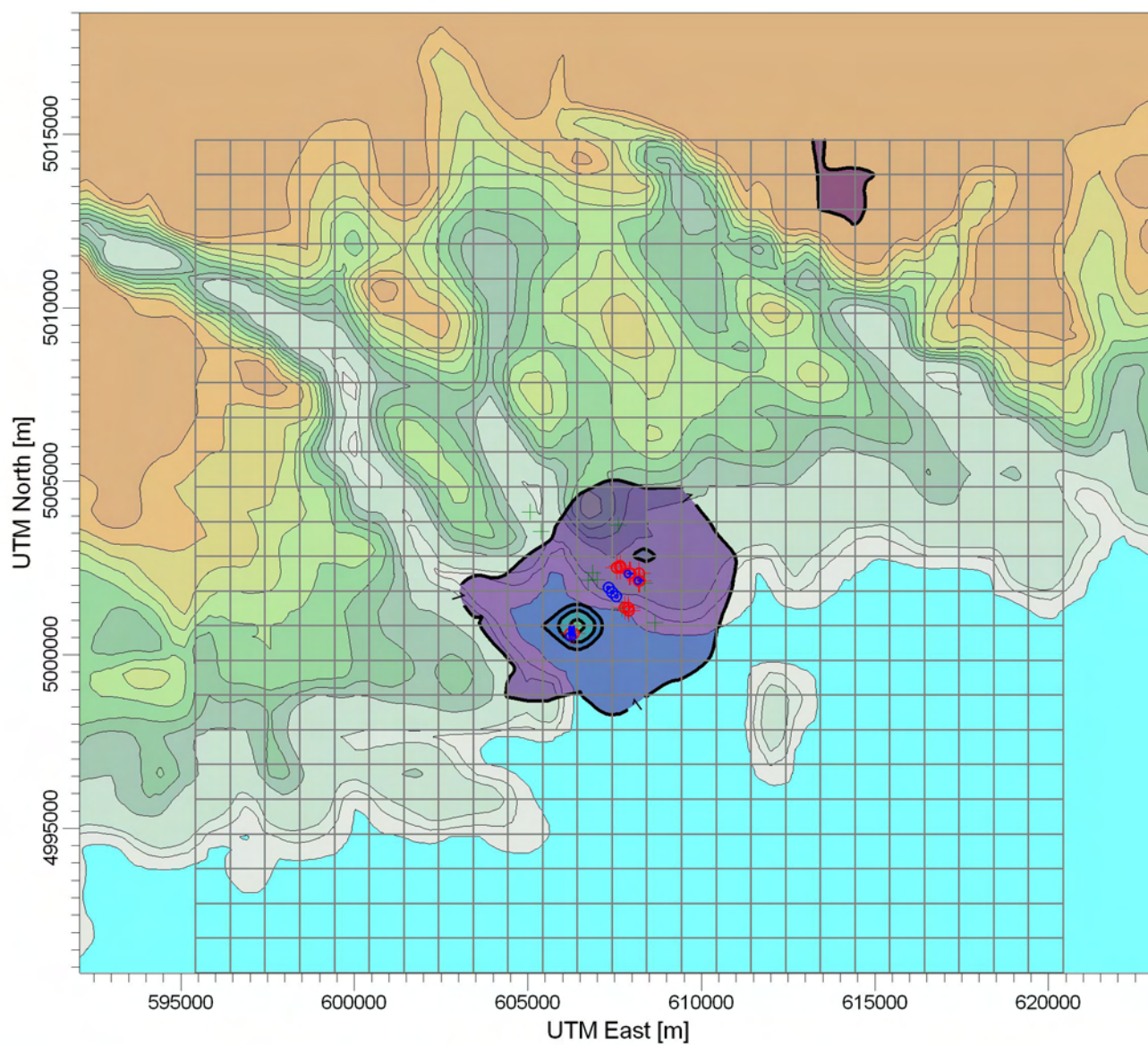
8/1/2013

PROJECT NO.:

TV121039

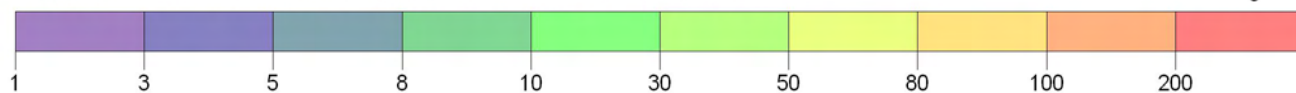
PROJECT TITLE:

PM2.5 GLCs for a 24 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:195,072

0

5 km

MAX:

9.91748 ug/m³

DATE:

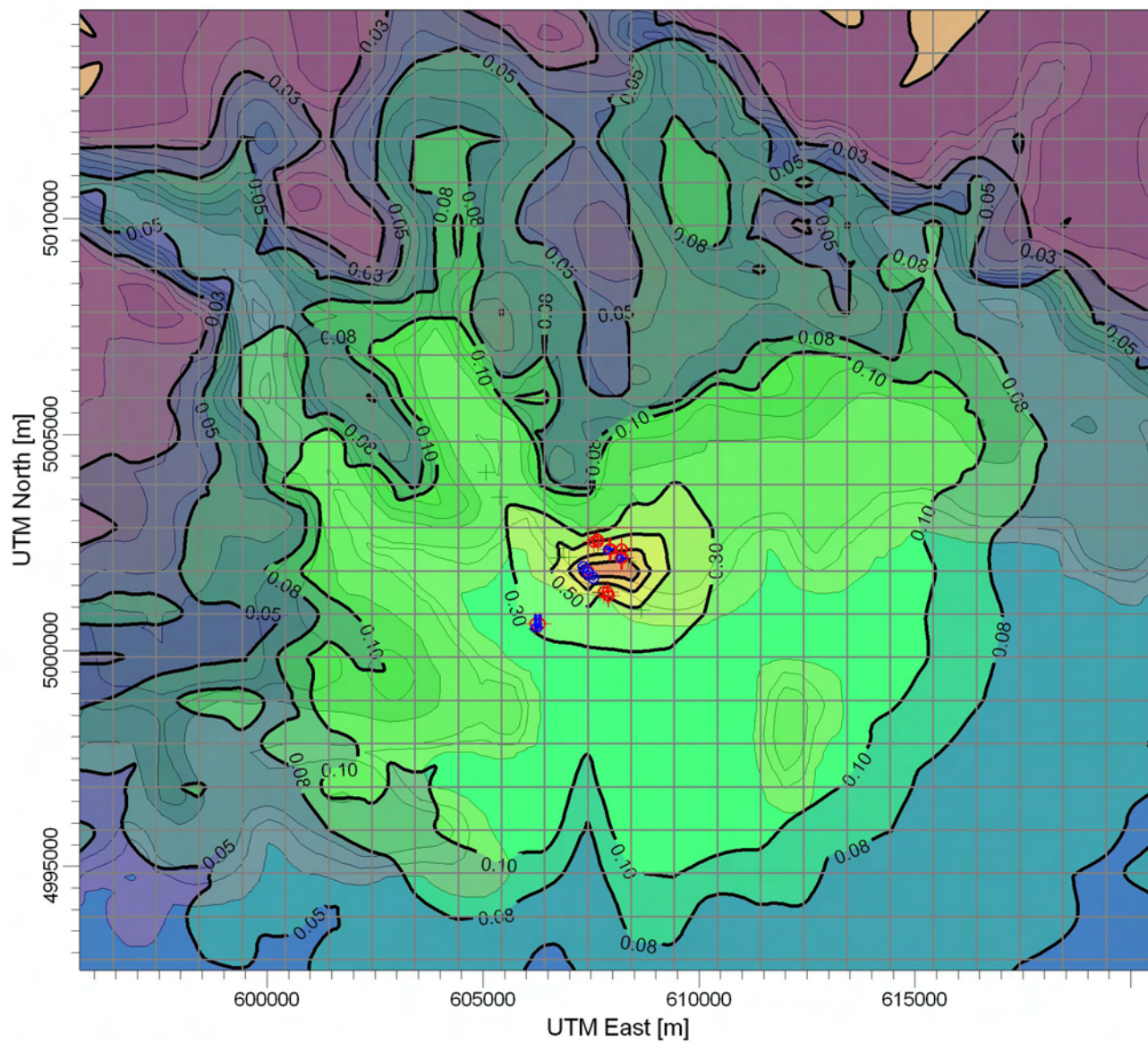
8/1/2013

PROJECT NO.:

TV121039

PROJECT TITLE:

Benzene GLCs for a 1 hour Averaging Period Normal and Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

24

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:156,749

0 5 km

MAX:

1.17585 ug/m³

DATE:

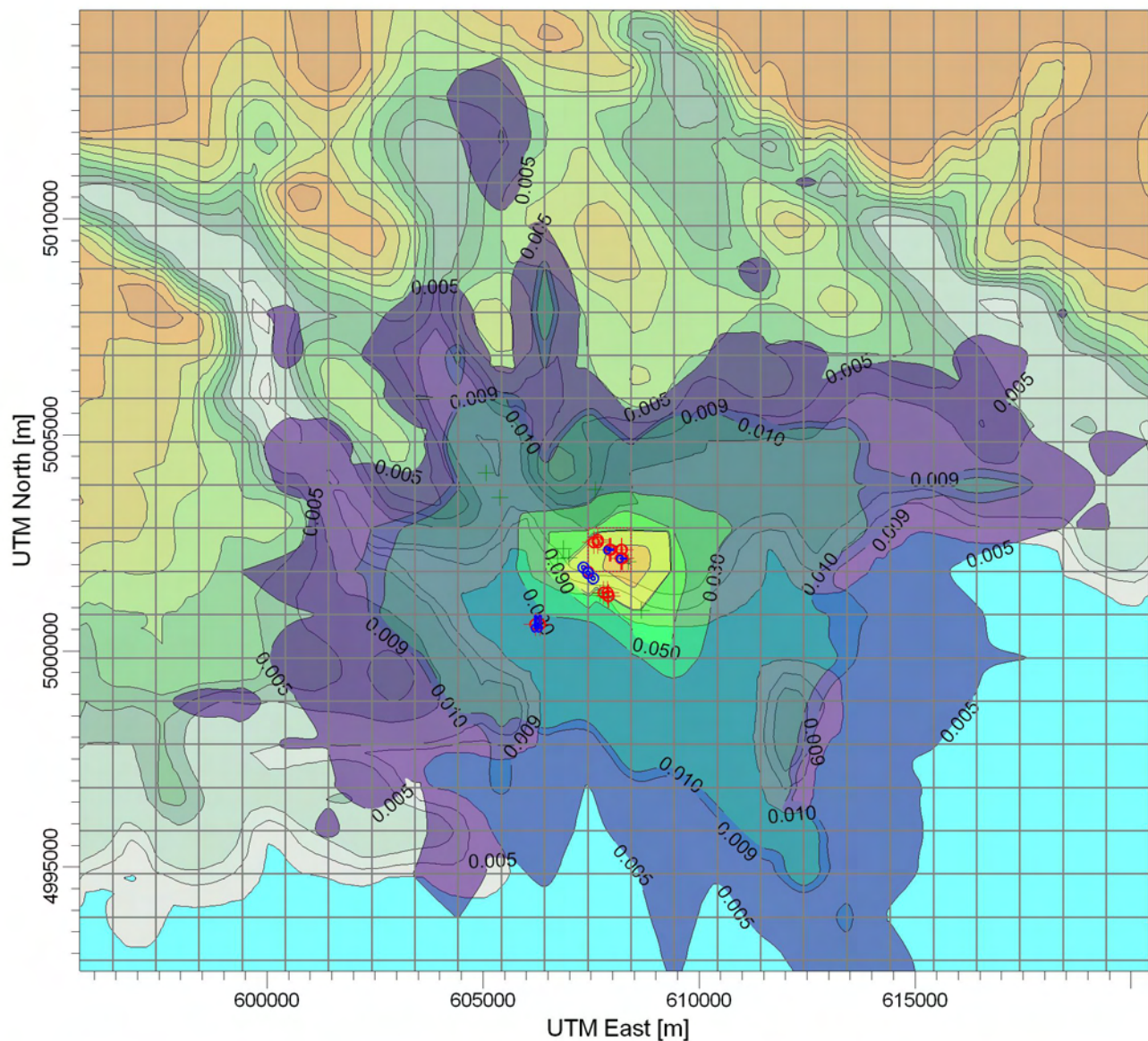
8/1/2013

PROJECT NO.:

TV121039

PROJECT TITLE:

Benzene GLCs for a 24 hour Averaging Period Normal and Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

24

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:156,710

0 5 km

MAX:

0.52634 ug/m³

DATE:

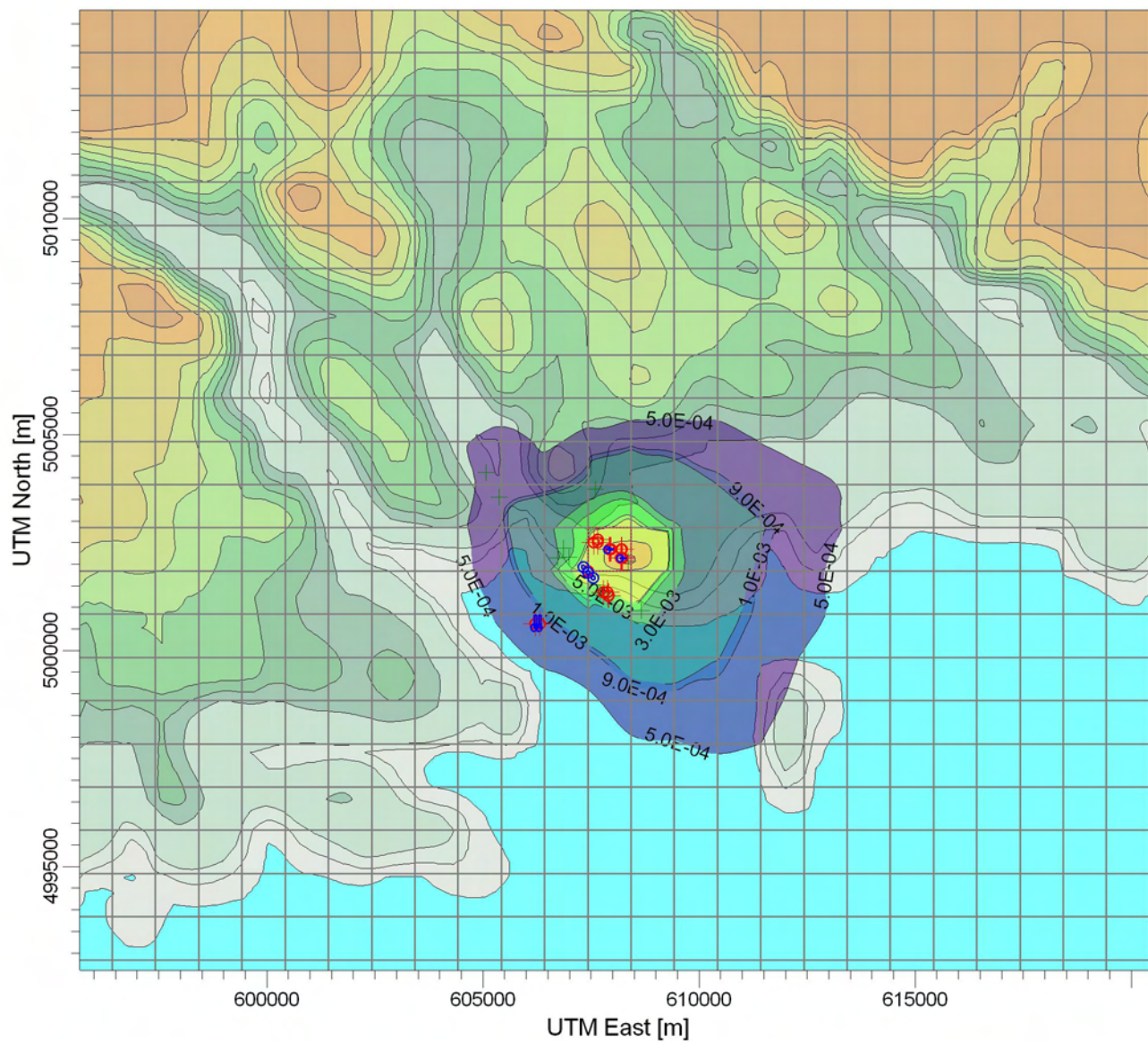
8/1/2013

PROJECT NO.:

TV121039

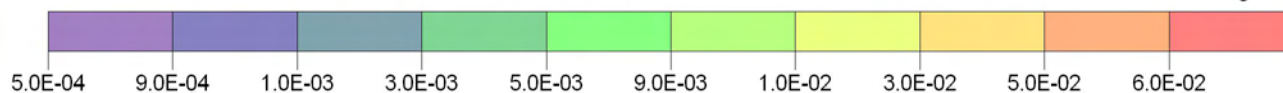
PROJECT TITLE:

Benzene GLCs for an Annual Averaging Period Normal and Upset Conditions



PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

24

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:156,630

0

5 km

MAX:

0.05805 ug/m³

DATE:

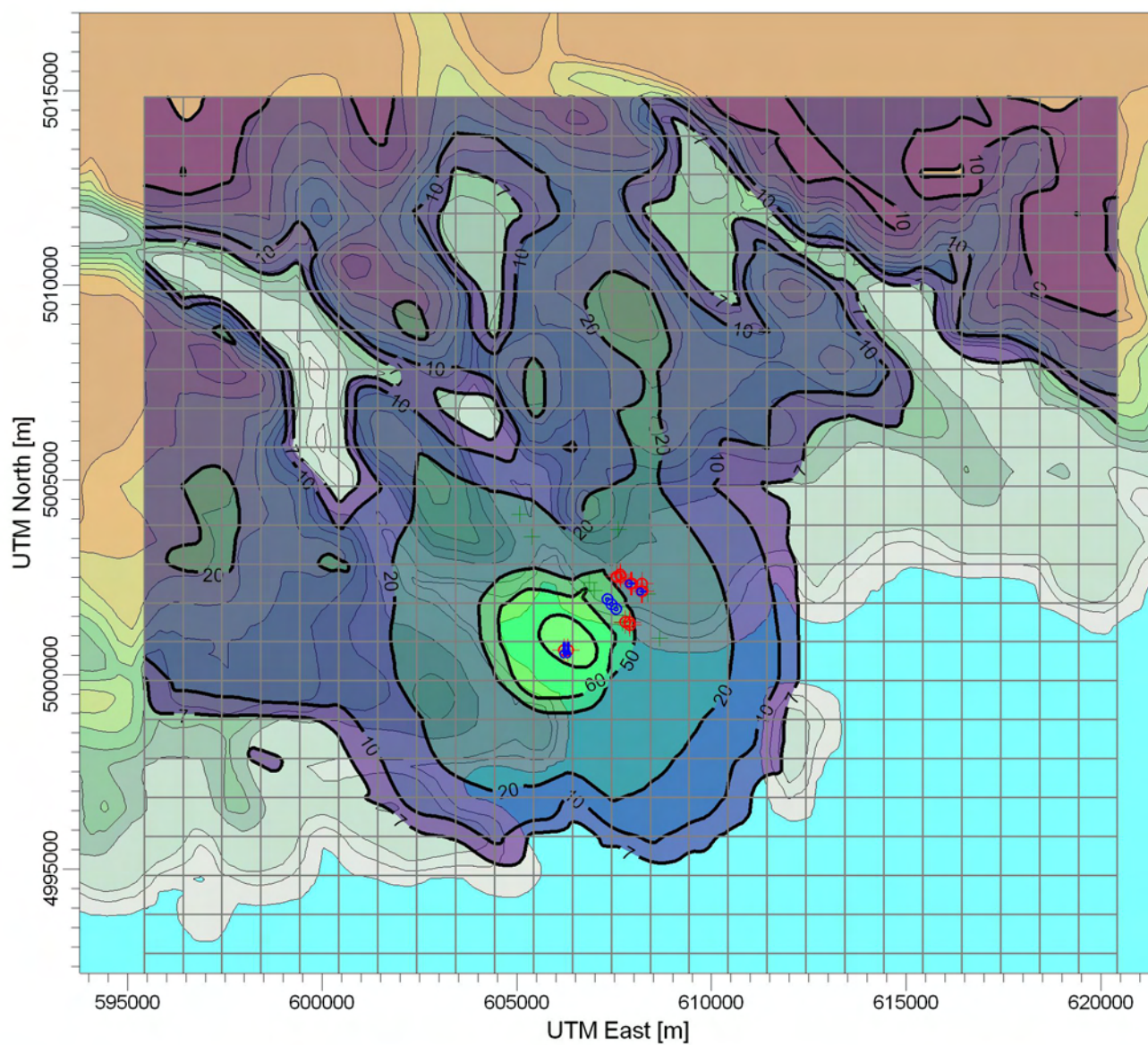
8/1/2013

PROJECT NO.:

TV121039

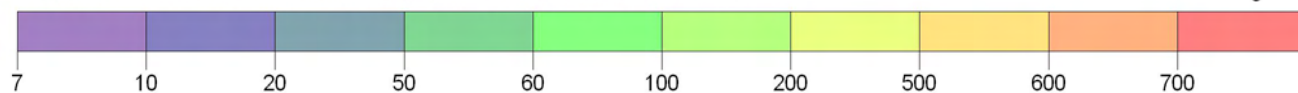
PROJECT TITLE:

CO GLCs for a 1 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:173,907

0

5 km

MAX:

175.11449 ug/m³

DATE:

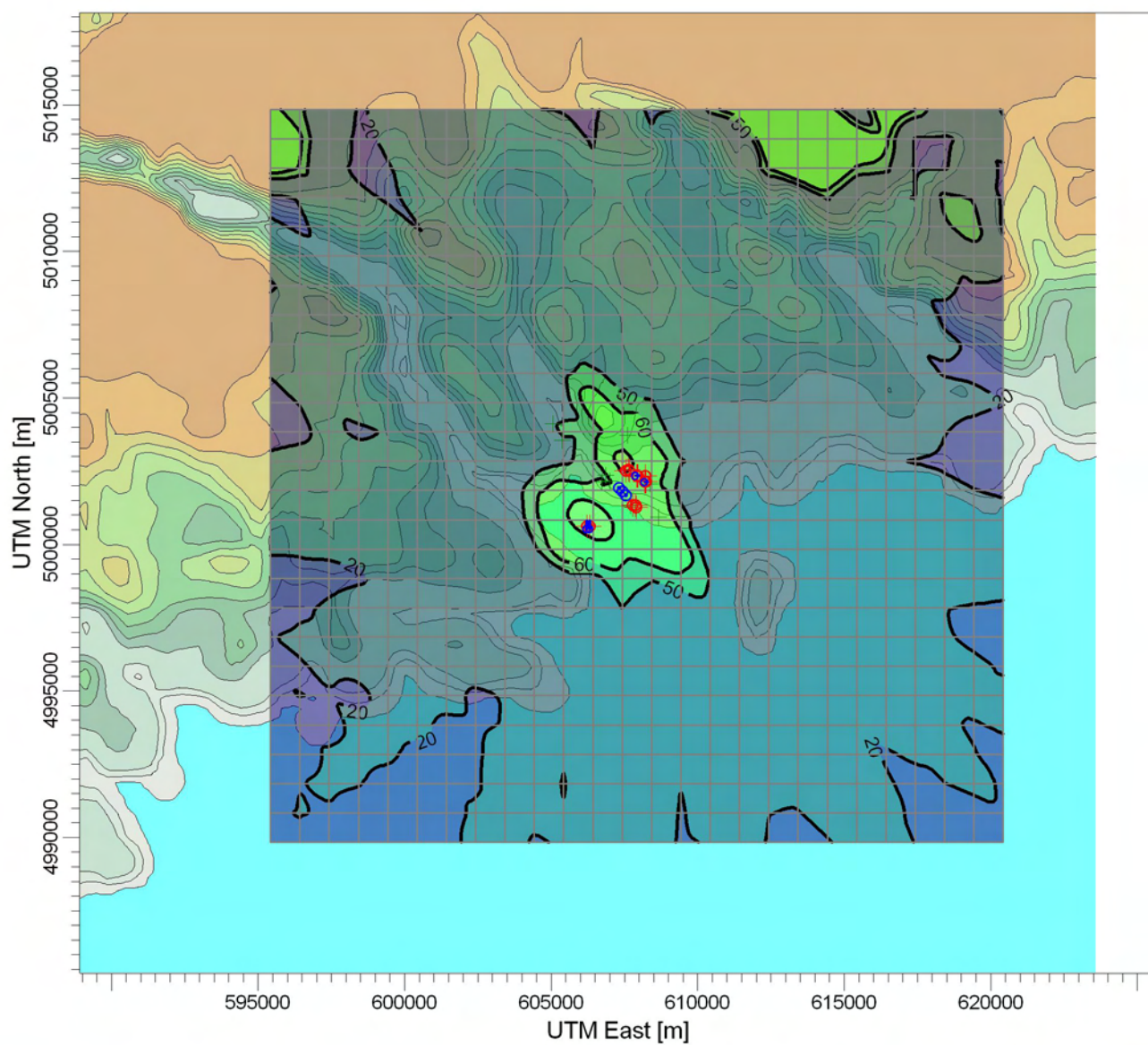
7/31/2013

PROJECT NO.:

TV121039

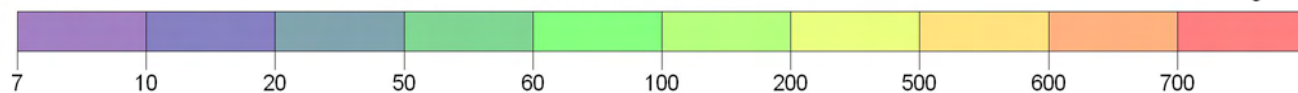
PROJECT TITLE:

CO GLCs for a 1 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:231,007

0 5 km

MAX:

175.11449 ug/m³

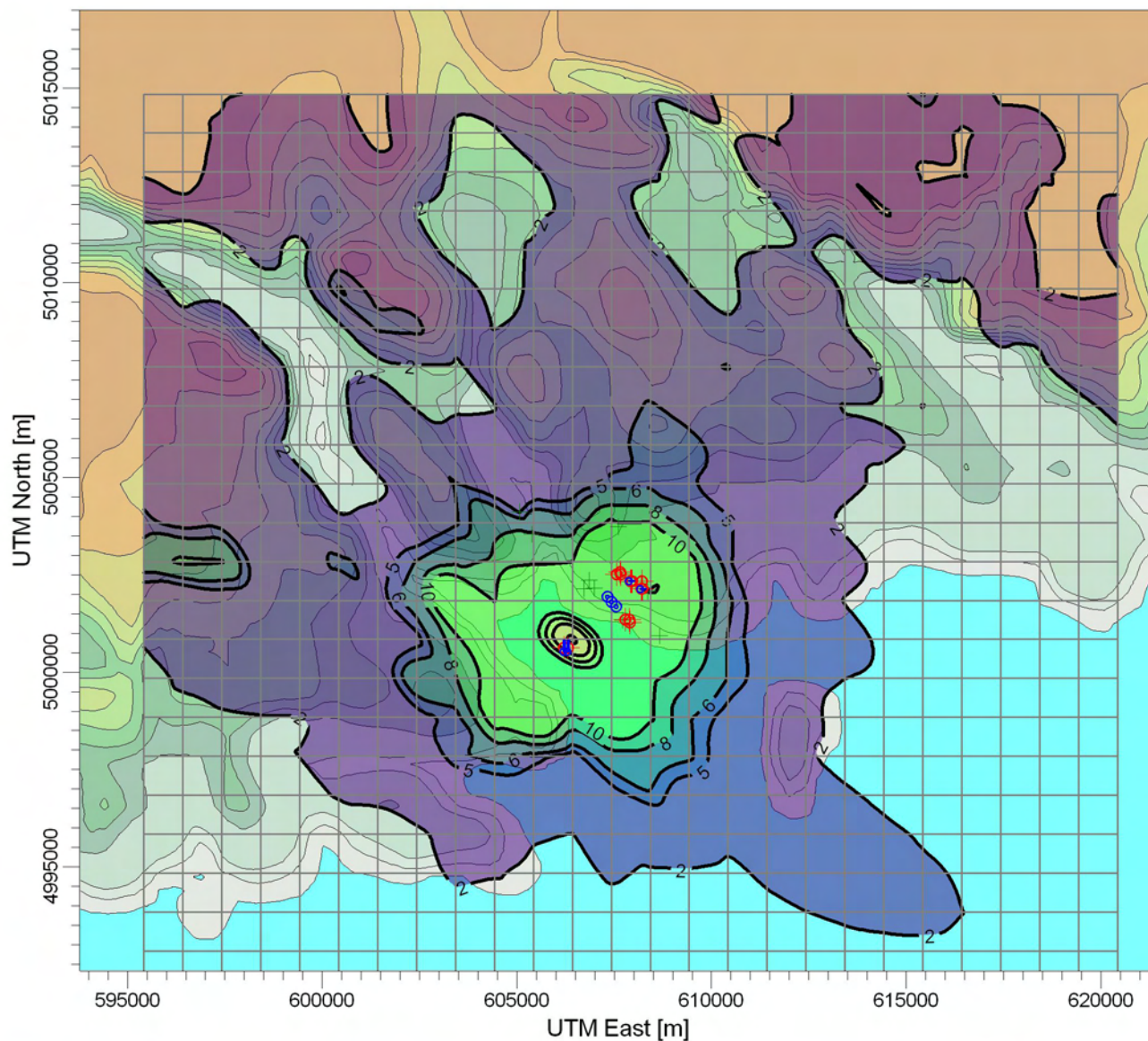
DATE:

7/31/2013

PROJECT NO.:

TV121039

PROJECT TITLE:
CO GLCs for an 8 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: ALL

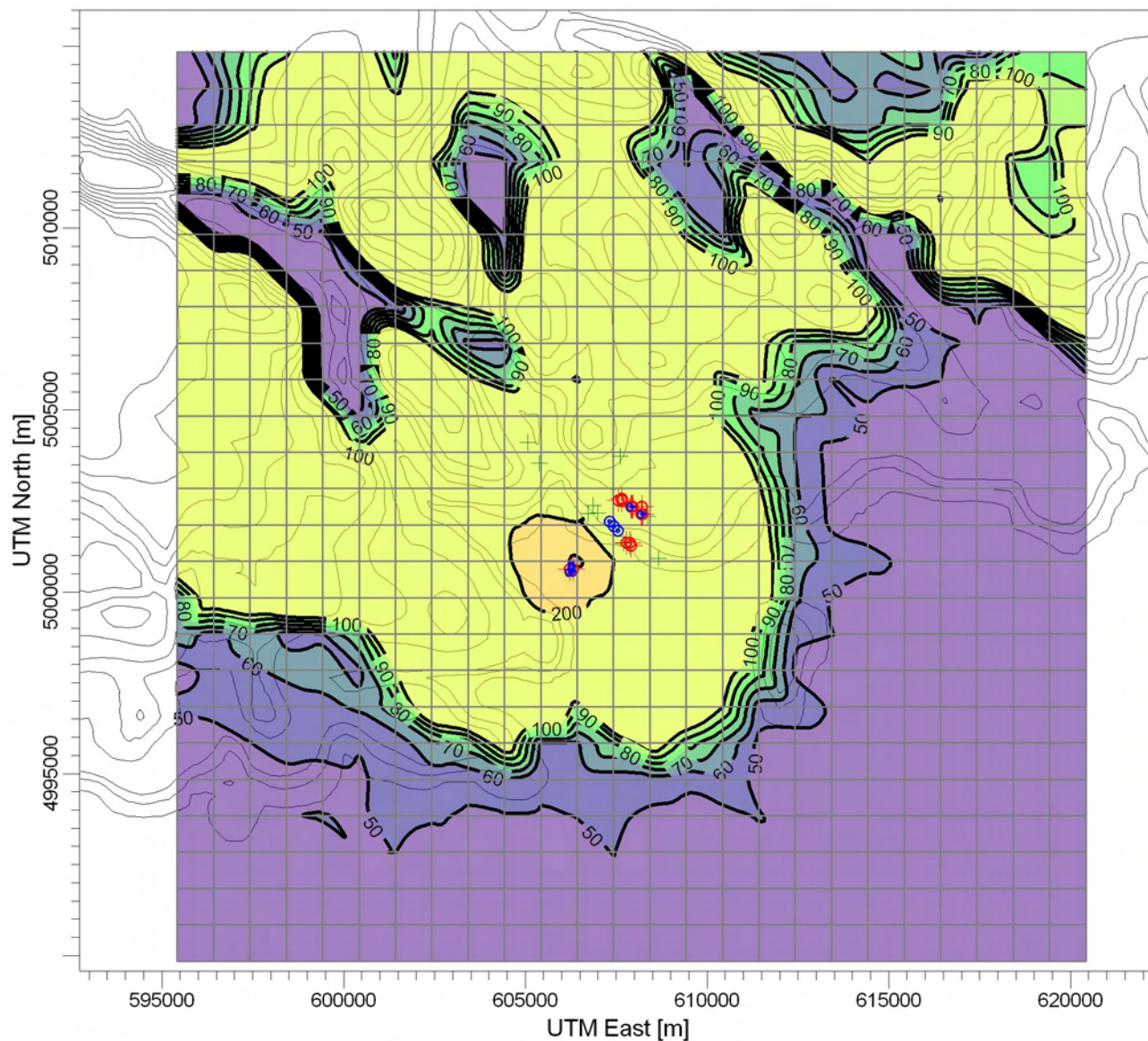
ug/m³



COMMENTS:	SOURCES: 23	COMPANY NAME: AMEC Environment & Infrastructure	
	RECEPTORS: 685	MODELER: Bill Chew	
	OUTPUT TYPE: Concentration	SCALE: 1:173,886 0 5 km	
	MAX: 86.86529 ug/m³	DATE: 7/31/2013	PROJECT NO.: TV121039

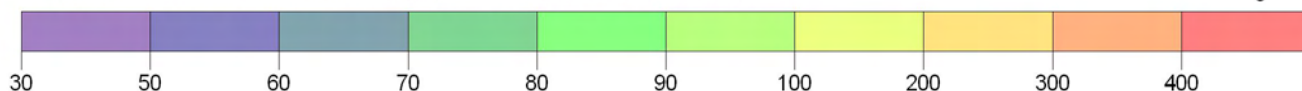
PROJECT TITLE:

NO2 GLCs for an One Hour Averaging Period - Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:186,266

0

5 km

MAX:

318.69403 ug/m³

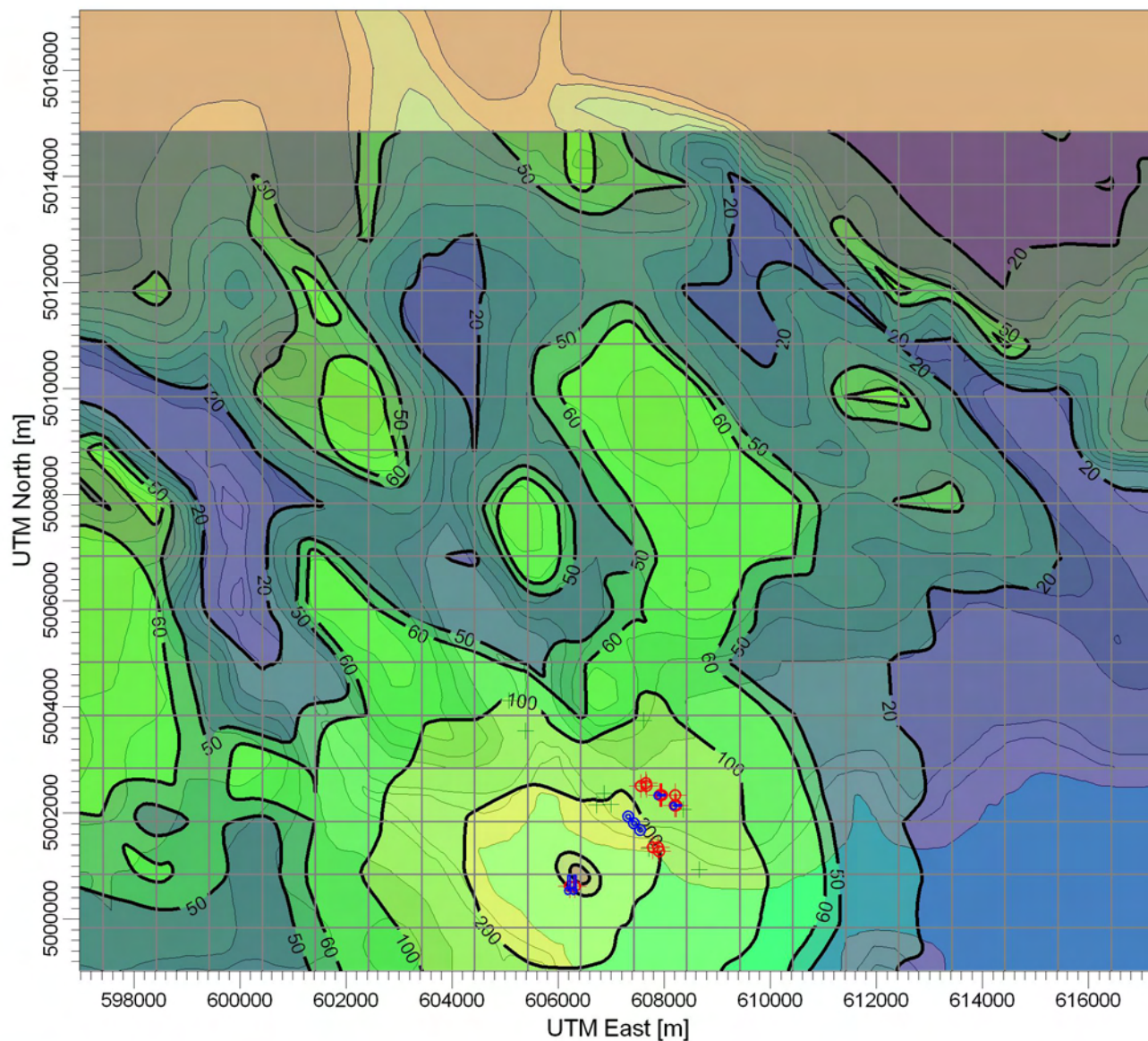
DATE:

7/30/2013

PROJECT NO.:

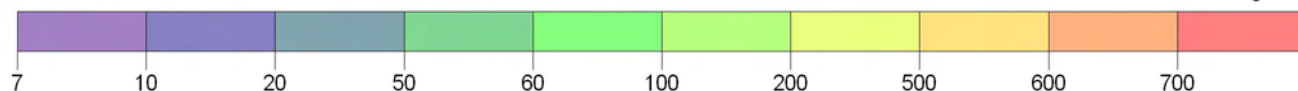
TV121039

PROJECT TITLE:
SO2 GLCs for a 1 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

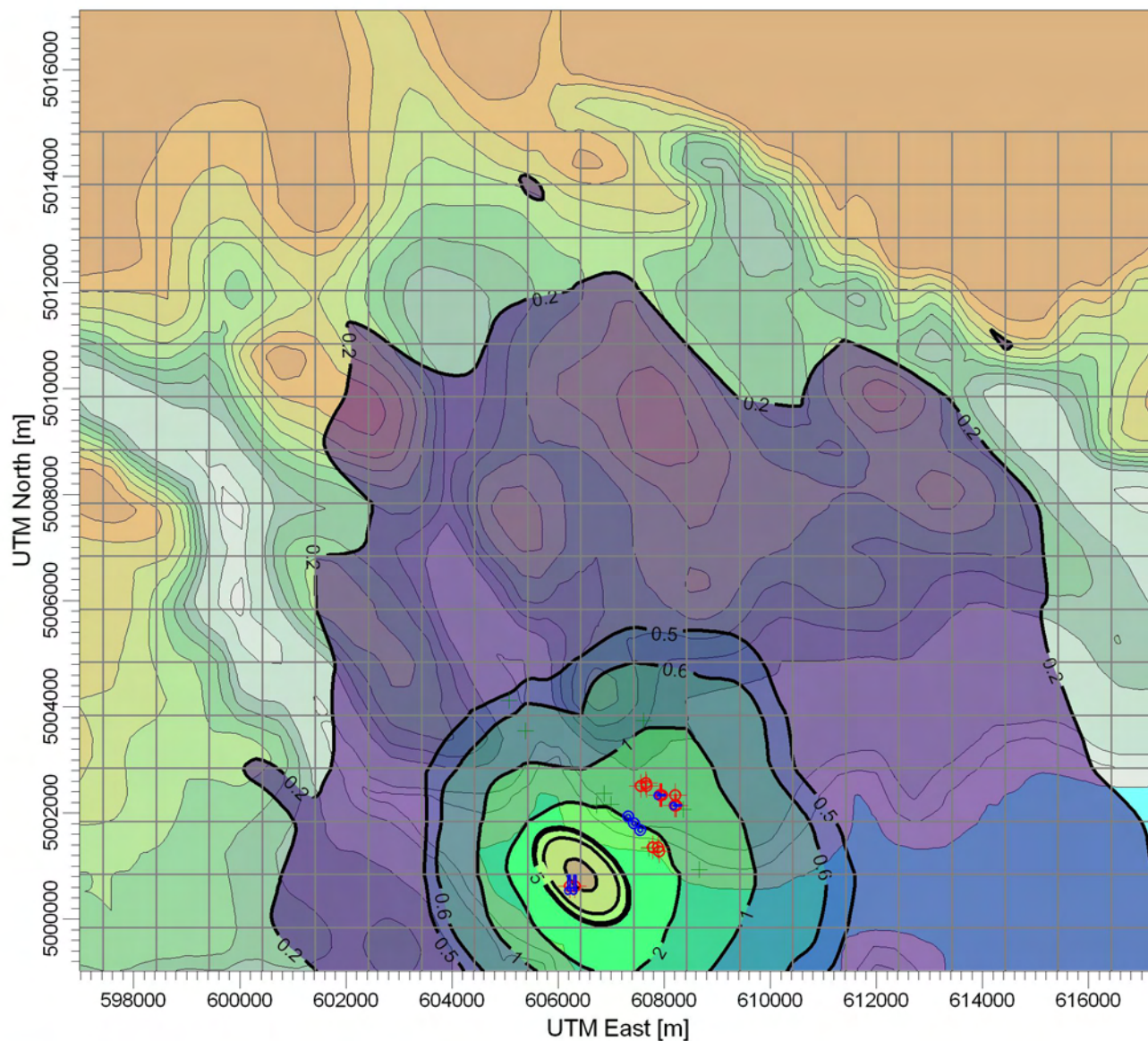
ug/m³



COMMENTS:	SOURCES: 23	COMPANY NAME: AMEC Environment & Infrastructure	
	RECEPTORS: 685	MODELER: Bill Chew	
	OUTPUT TYPE: Concentration	SCALE: 1:127,631 0  5 km	
	MAX: 679.01479 ug/m³	DATE: 7/31/2013	PROJECT NO.: TV121039

PROJECT TITLE:

SO2 GLCs for an Annual Averaging Period Normal Conditions



PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:127,616

0



5 km

MAX:

27.2658 ug/m³

DATE:

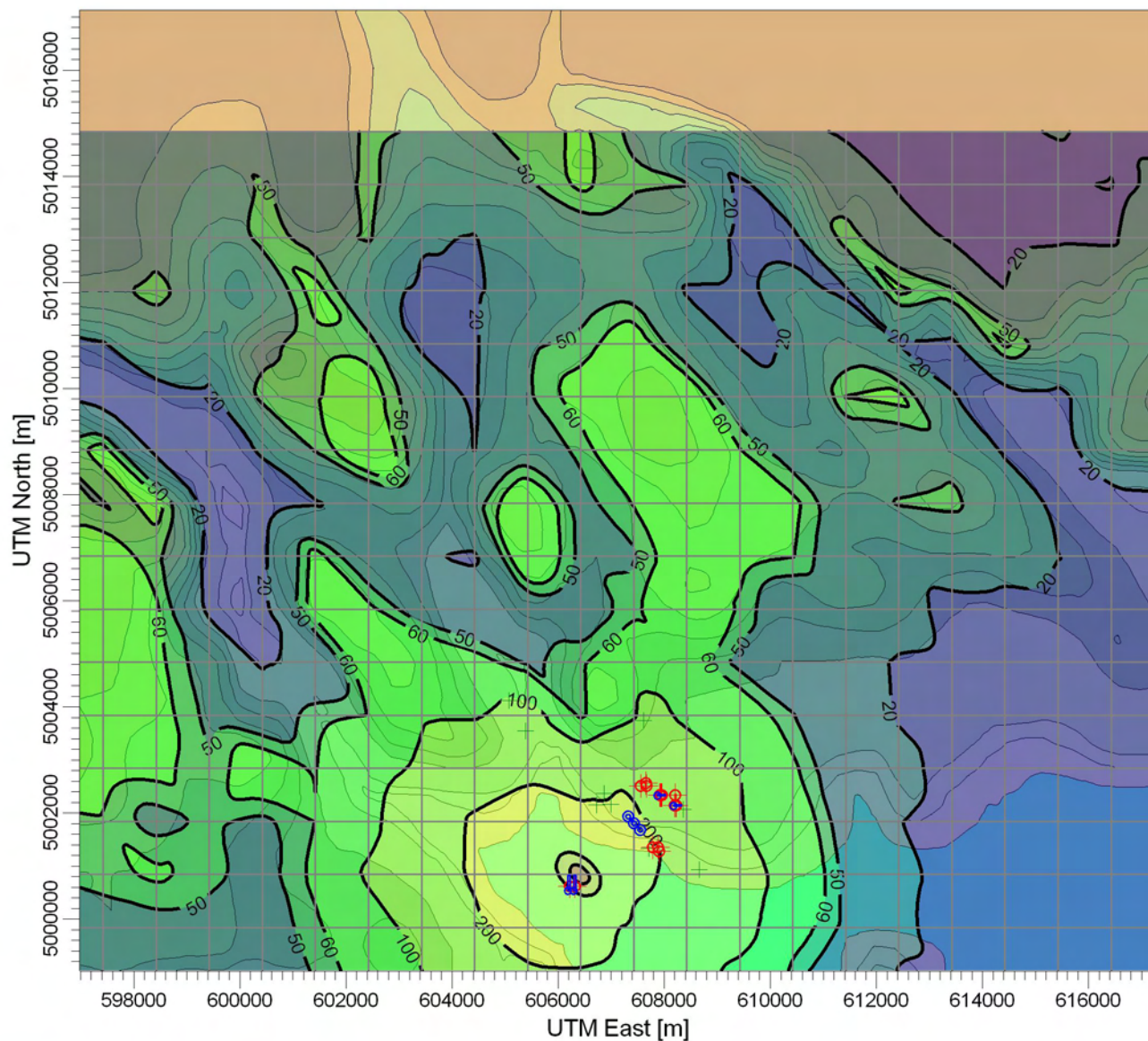
7/31/2013

PROJECT NO.:

TV121039

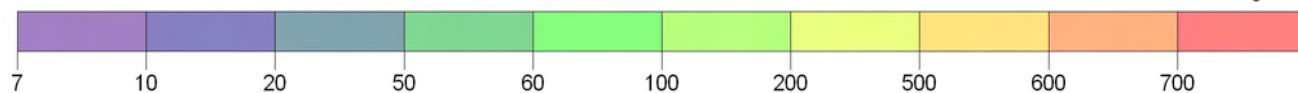
PROJECT TITLE:

SO2 GLCs for a 1 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:127,631

0

5 km

MAX:

679.01479 ug/m³

DATE:

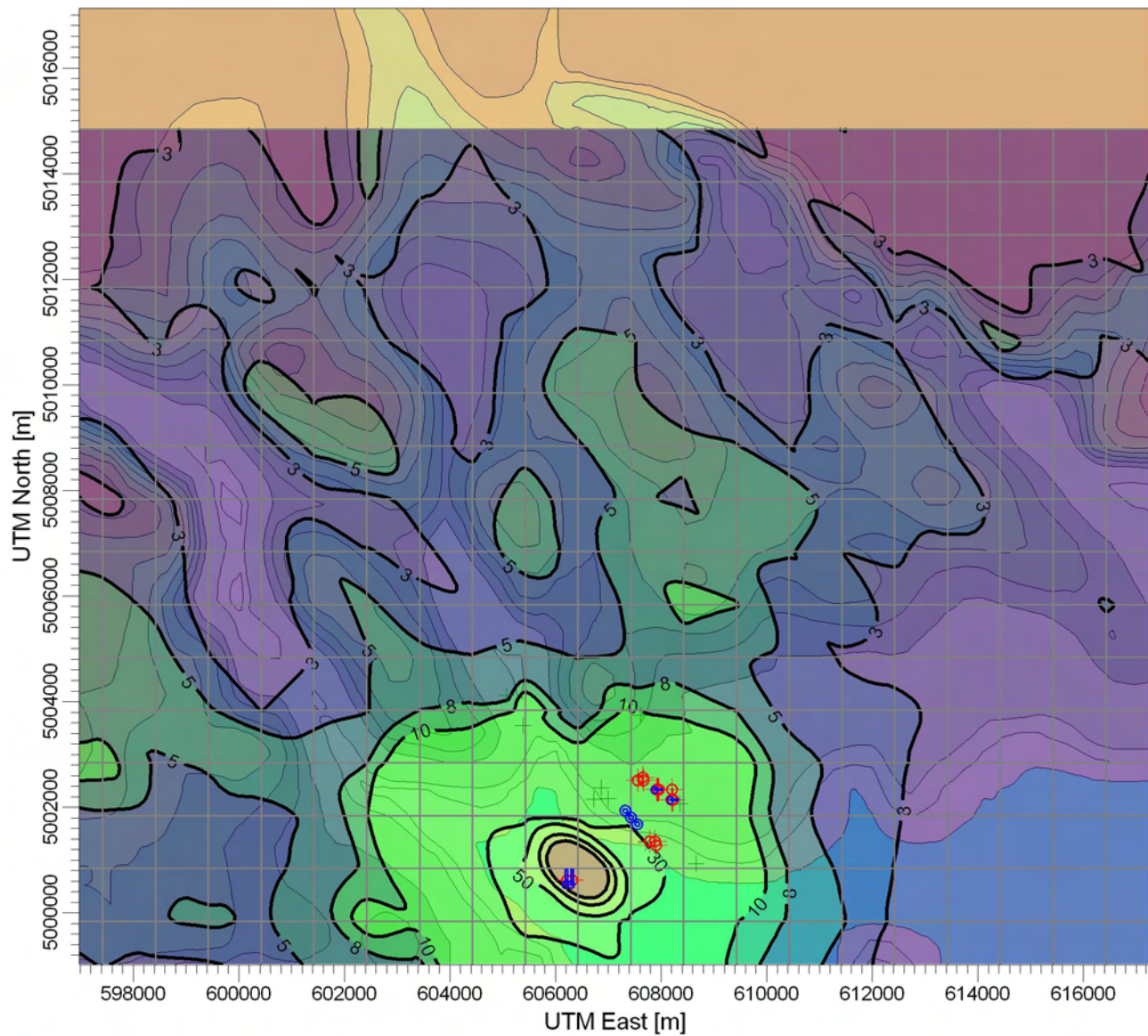
7/31/2013

PROJECT NO.:

TV121039

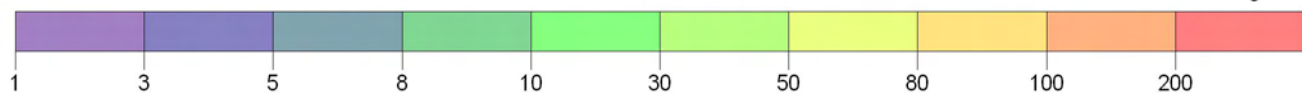
PROJECT TITLE:

SO2 GLCs for a 24 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:127,631

0

5 km

MAX:

182.18051 ug/m³

DATE:

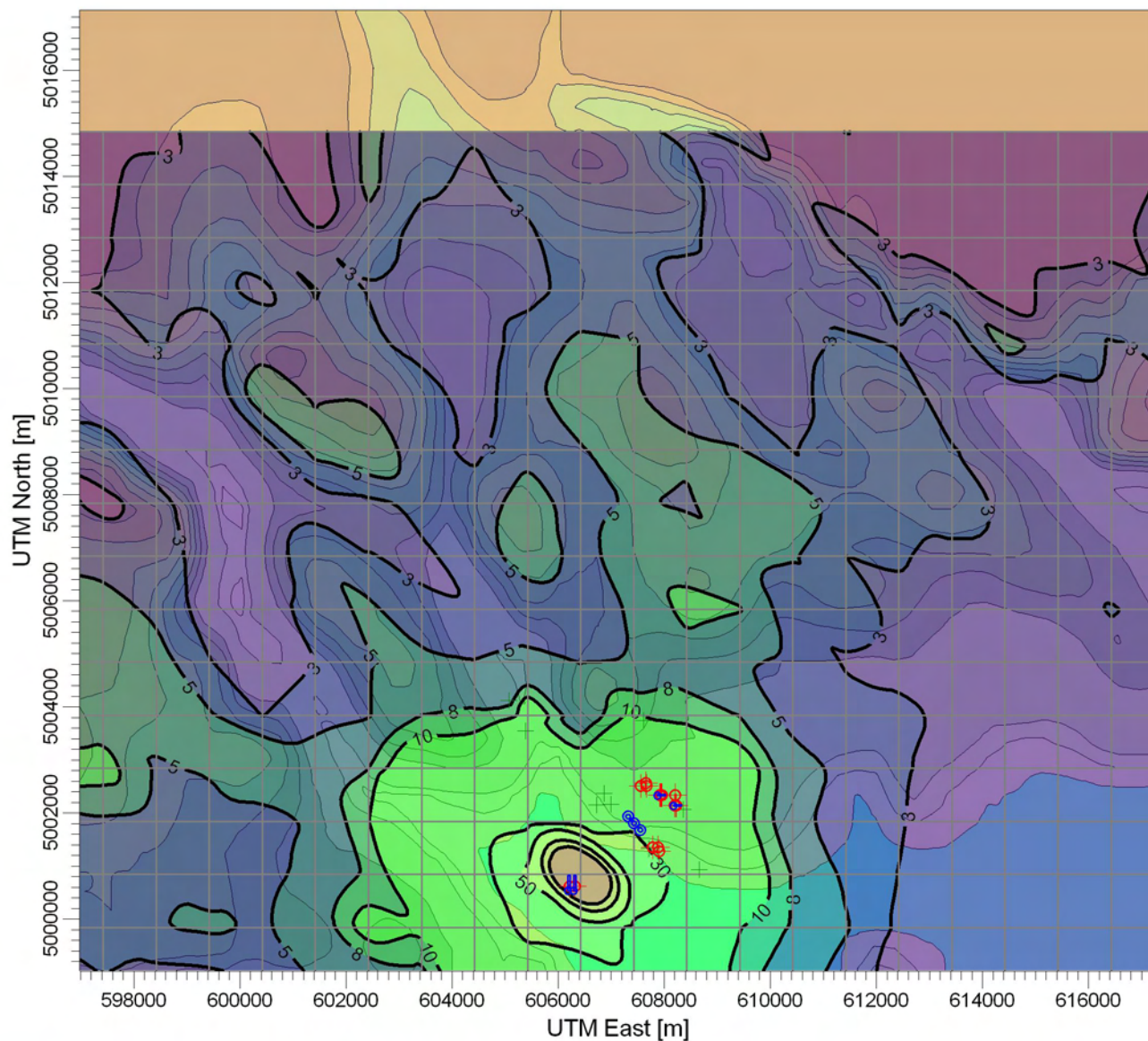
7/31/2013

PROJECT NO.:

TV121039

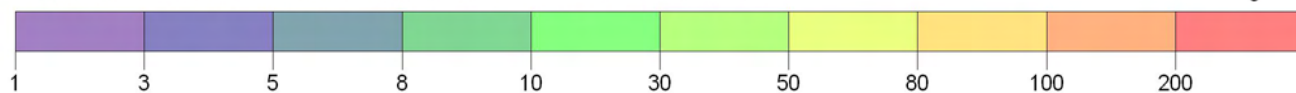
PROJECT TITLE:

SO2 GLCs for a 24 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:127,631

0

5 km

MAX:

182.18051 ug/m³

DATE:

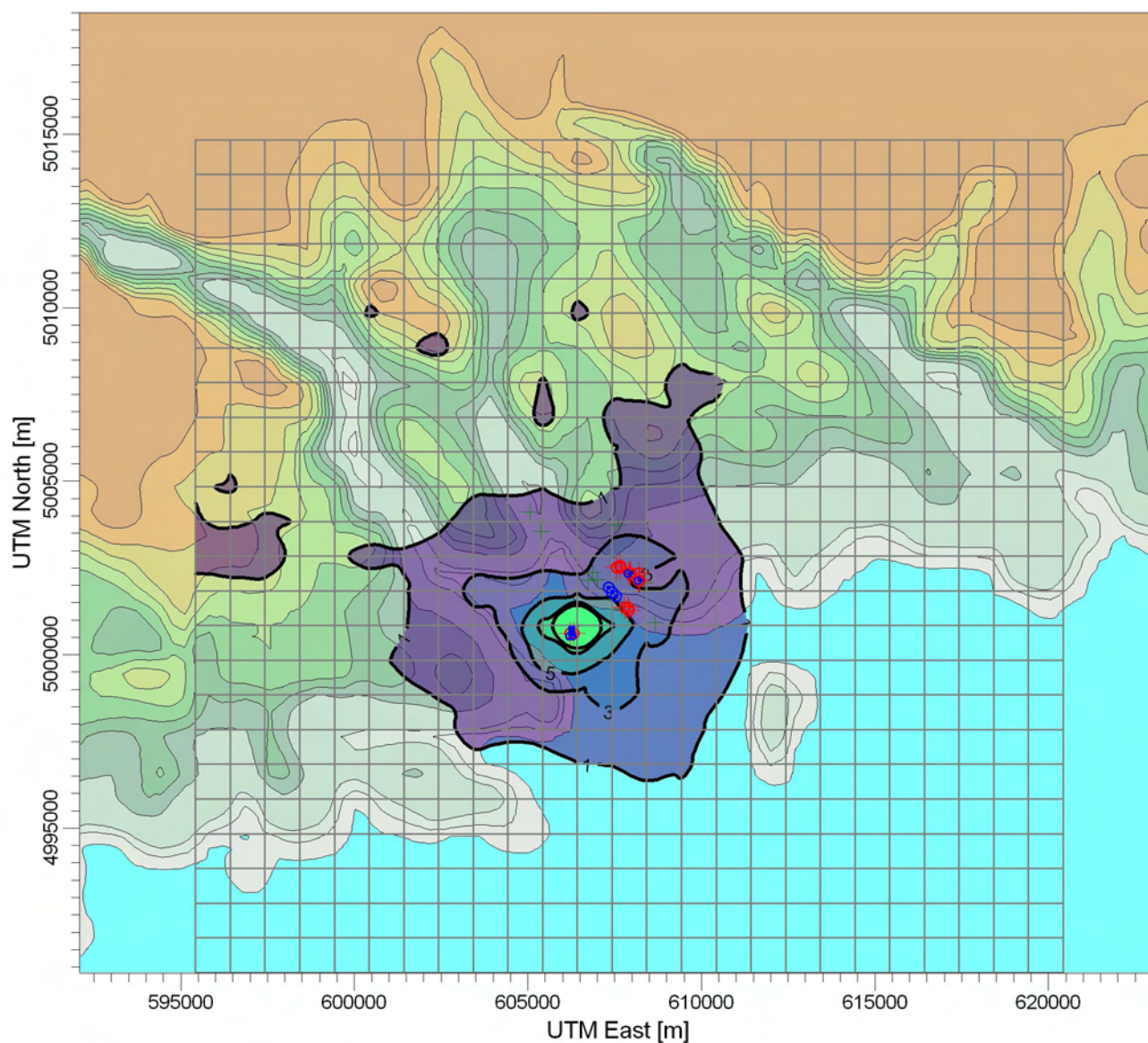
7/31/2013

PROJECT NO.:

TV121039

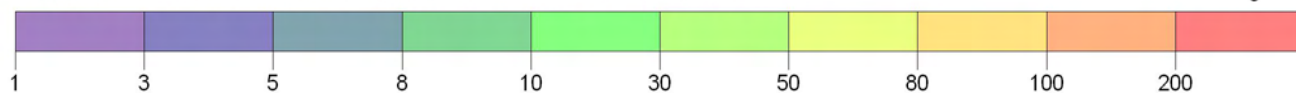
PROJECT TITLE:

TSP GLCs for a 24 Hour Averaging Period Normal Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:195,072

0

5 km

MAX:

30.36459 ug/m³

DATE:

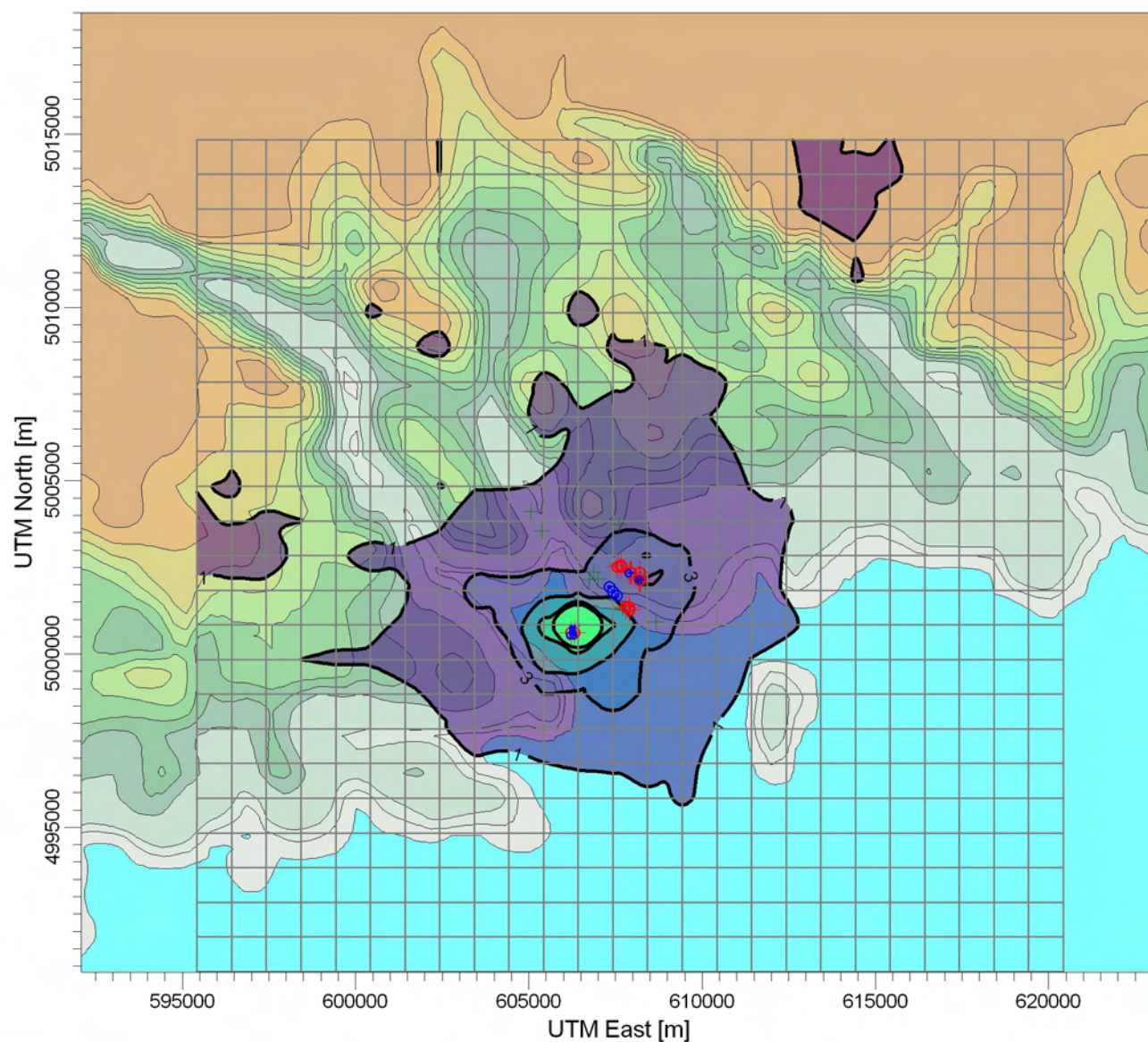
8/1/2013

PROJECT NO.:

TV121039

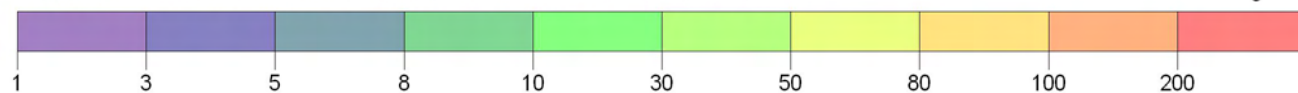
PROJECT TITLE:

TSP GLCs for a 24 Hour Averaging Period Upset Conditions



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

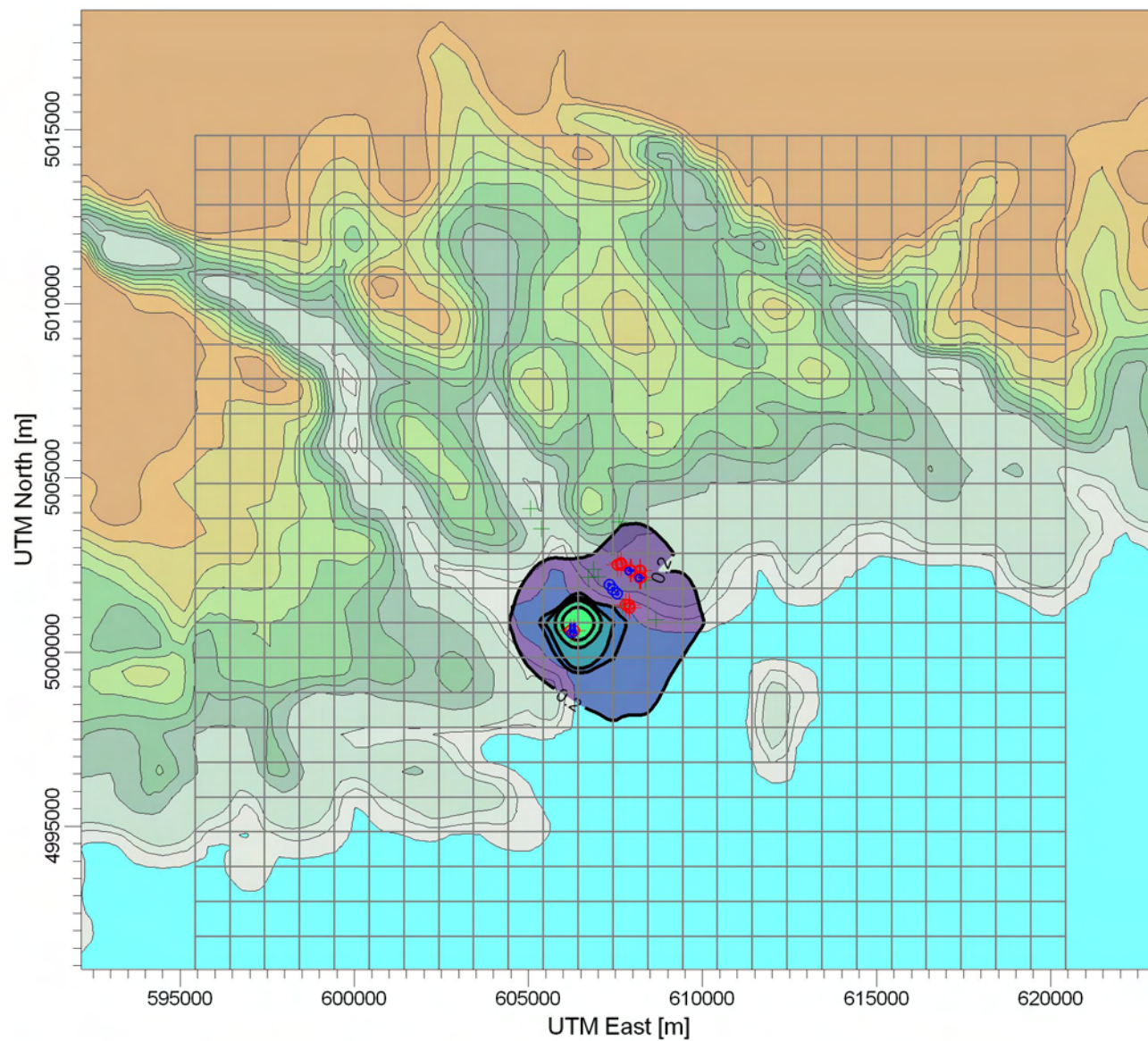
ug/m³



COMMENTS:	SOURCES: 23	COMPANY NAME: AMEC Environment & Infrastructure	
	RECEPTORS: 685	MODELER: Bill Chew	
	OUTPUT TYPE: Concentration	SCALE: 1:195,072 0 5 km	
	MAX: 30.37304 ug/m³	DATE: 8/1/2013	PROJECT NO.: TV121039

PROJECT TITLE:

TSP GLCs for an Annual Averaging Period Normal Conditions



PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

23

COMPANY NAME:

AMEC Environment & Infrastructure

RECEPTORS:

685

MODELER:

Bill Chew

OUTPUT TYPE:

Concentration

SCALE:

1:194,129

0 5 km

MAX:

4.28482 ug/m³

DATE:

8/1/2013

PROJECT NO.:

TV121039