

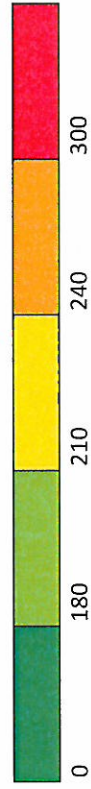
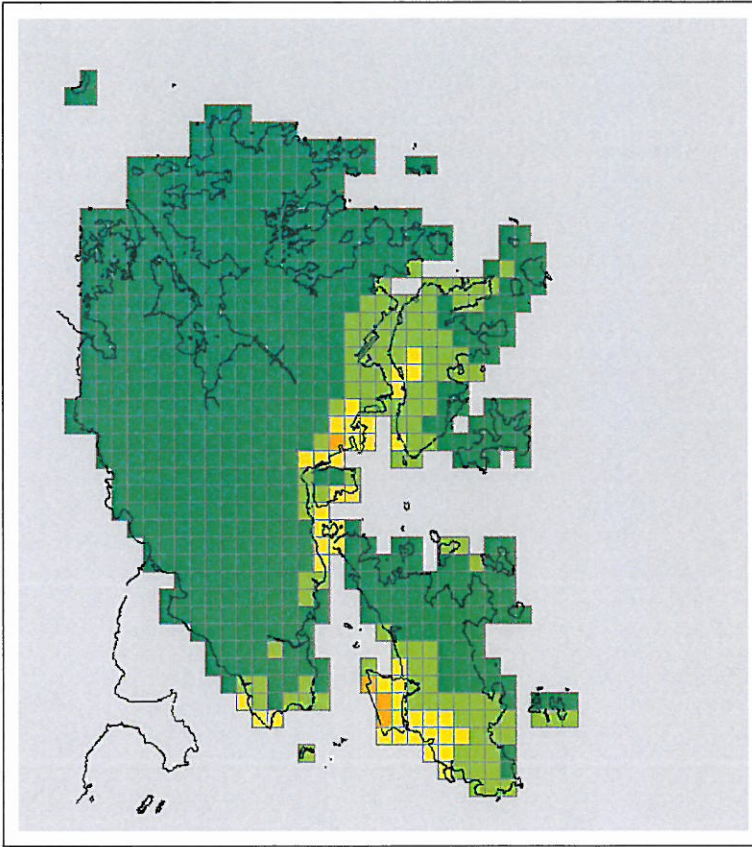
Appendix 3.11a

***Plots of the Predicted Concentration from PATH
model – Background Concentration***

Background

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

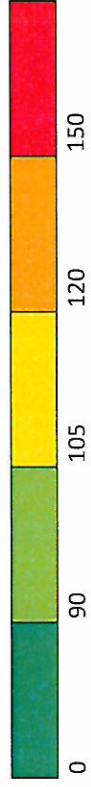
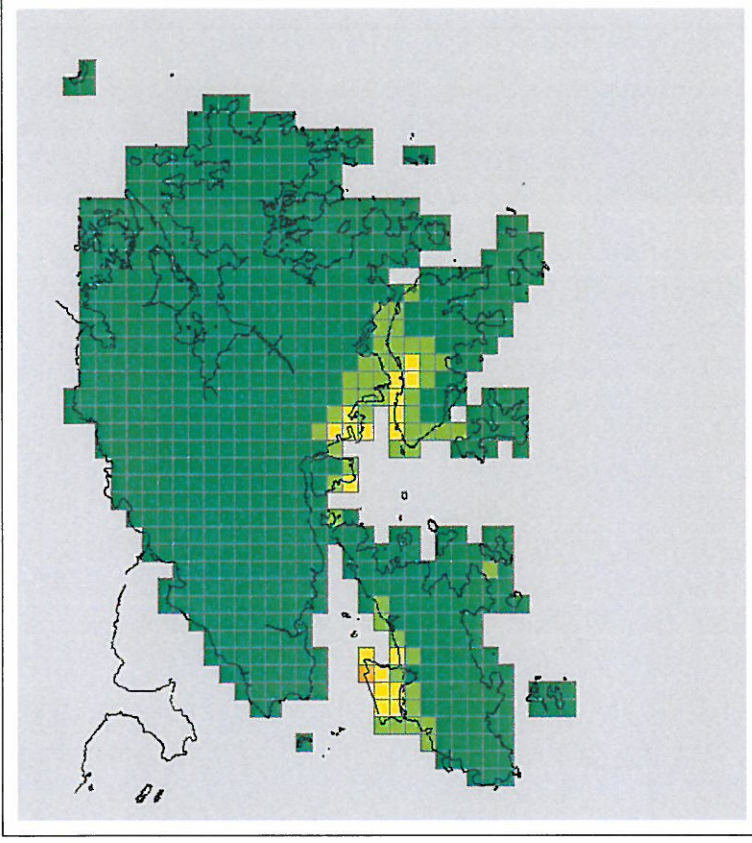
(0 - 19m above ground)



Background

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

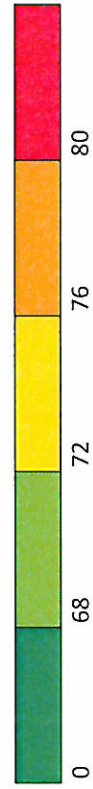
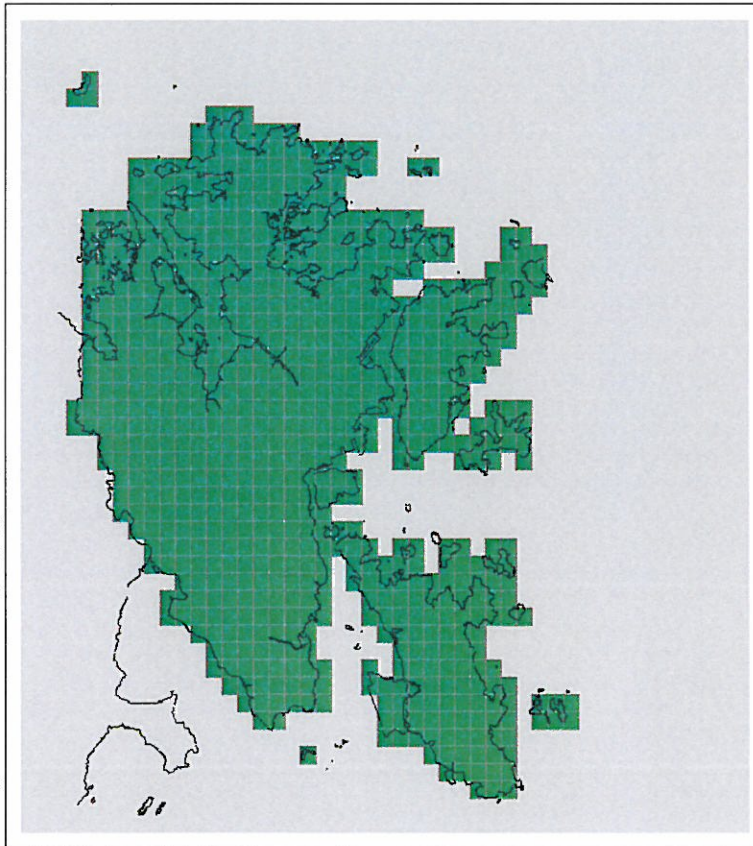
(0 - 19m above ground)



Background

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

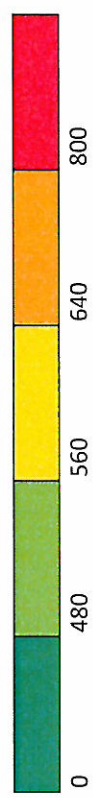
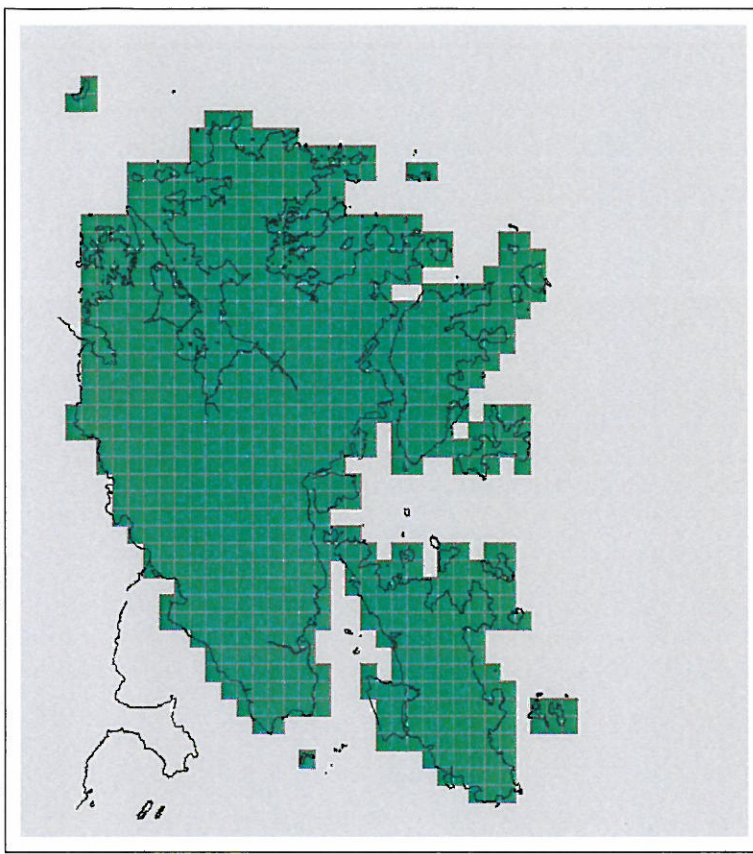
(0 - 19m above ground)



Background

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

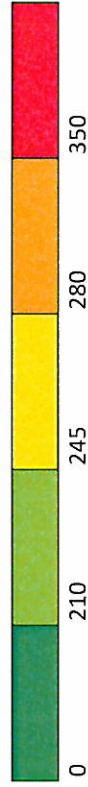
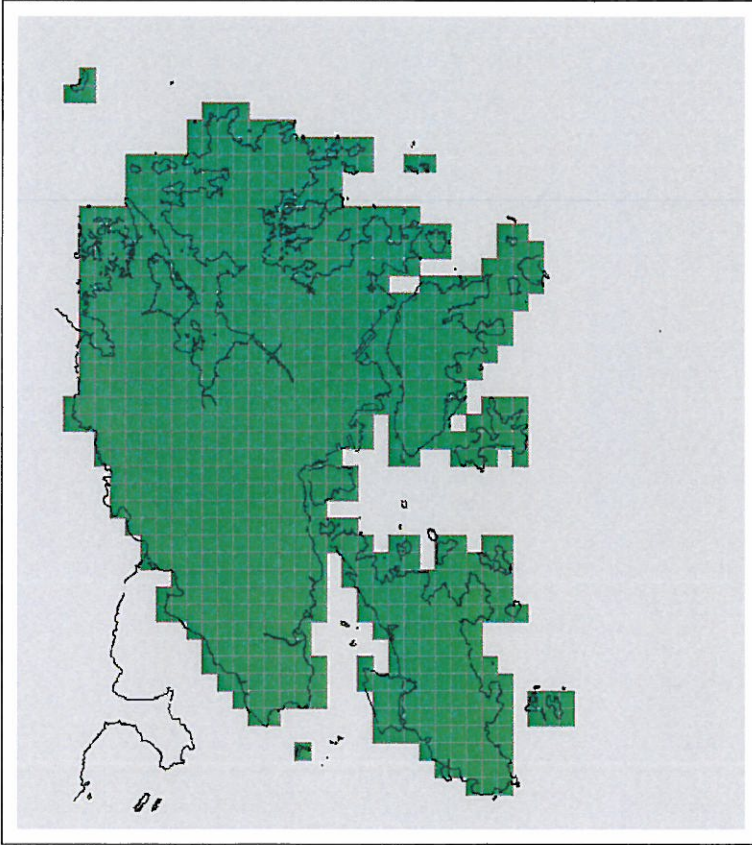
(0 - 19m above ground)



Background

SO₂ Daily Max. (µg/m³)

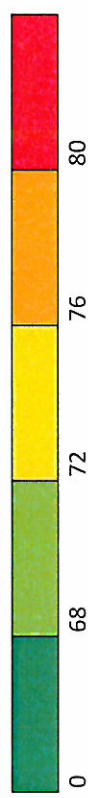
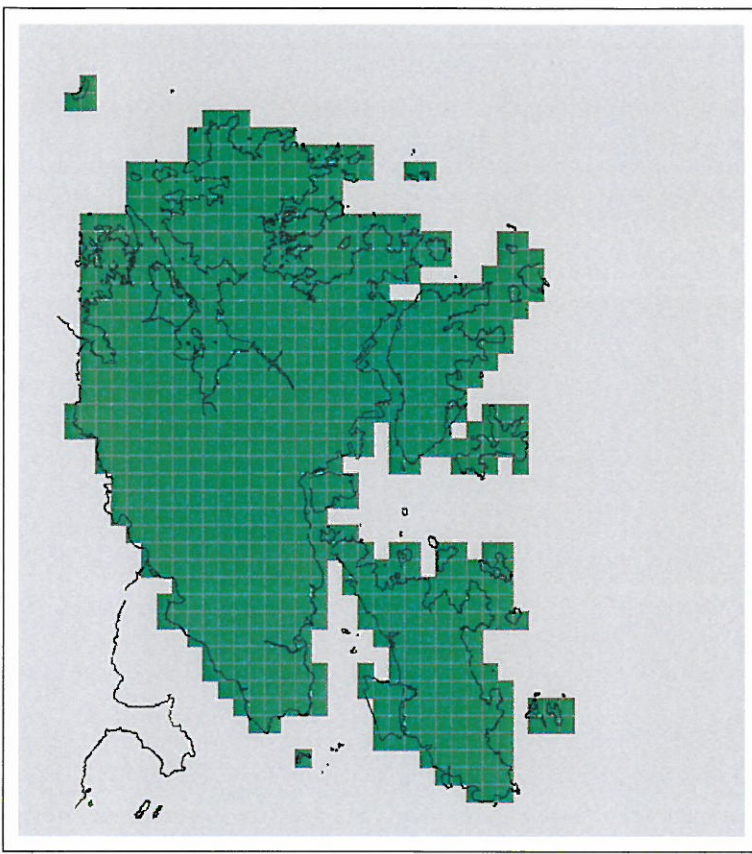
(0 - 19m above ground)



Background

SO₂ Annual Average (µg/m³)

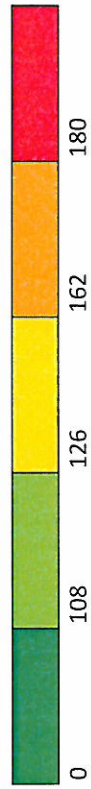
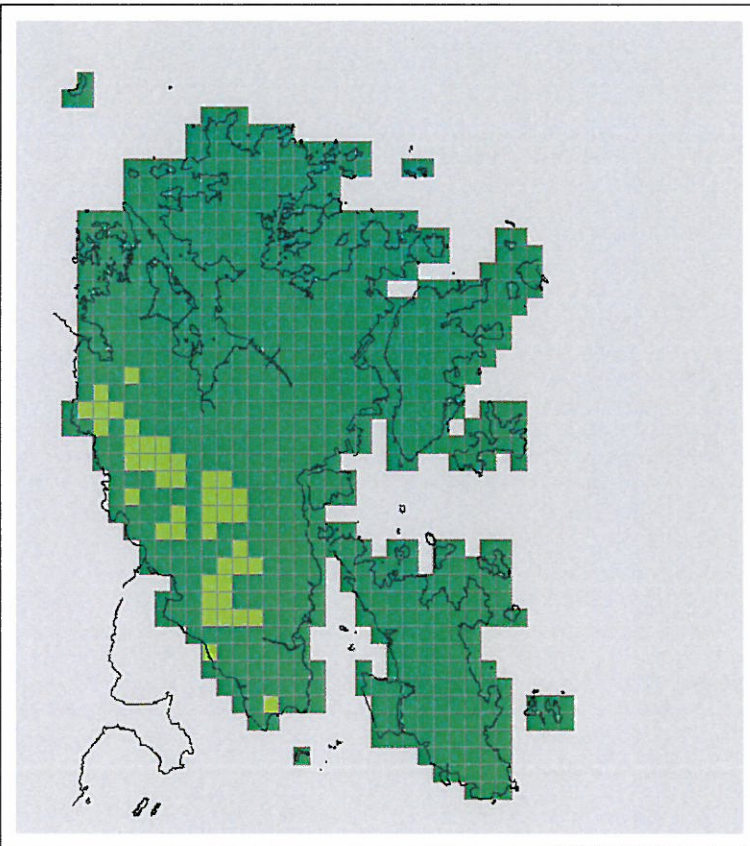
(0 - 19m above ground)



Background

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

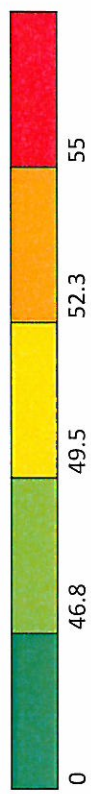
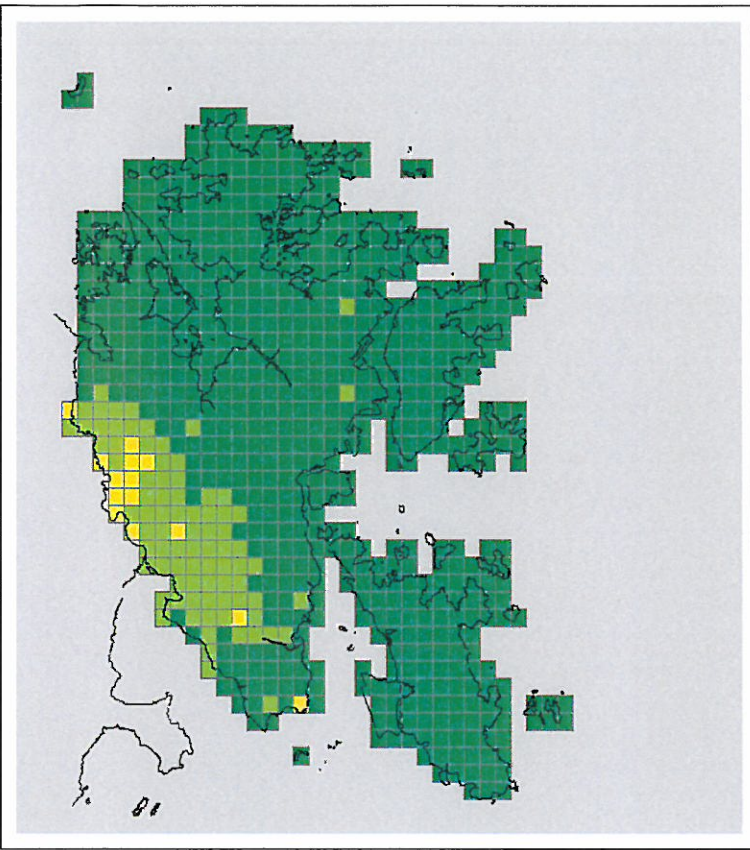
(0 - 19m above ground)



Background

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

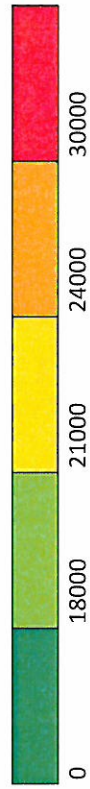
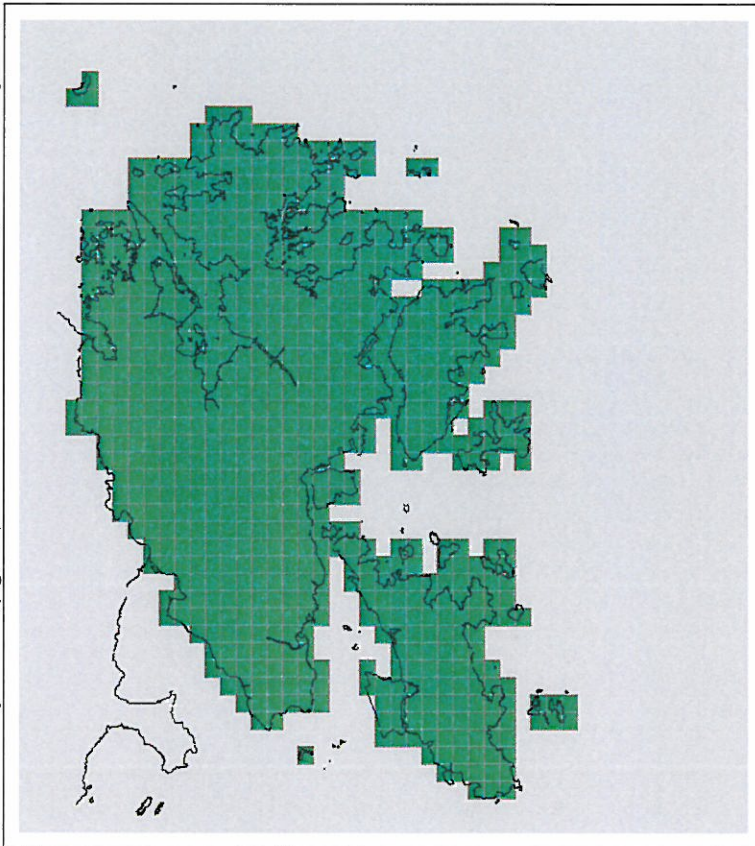
(0 - 19m above ground)



Background

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

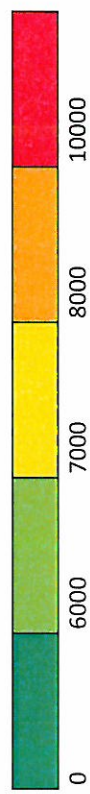
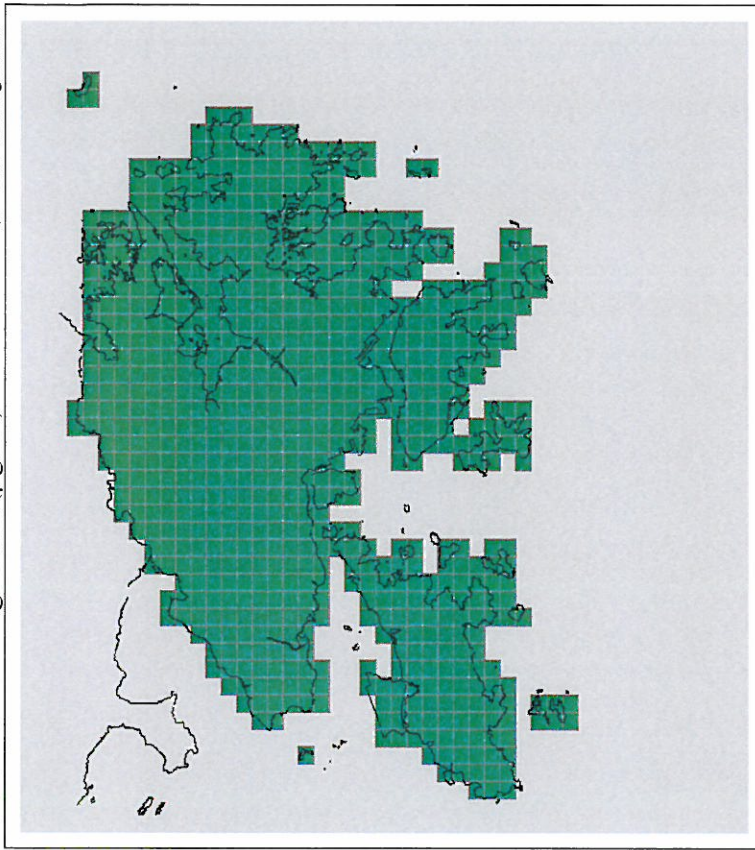
(0 - 19m above ground)



Background

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

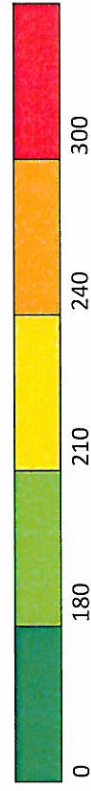
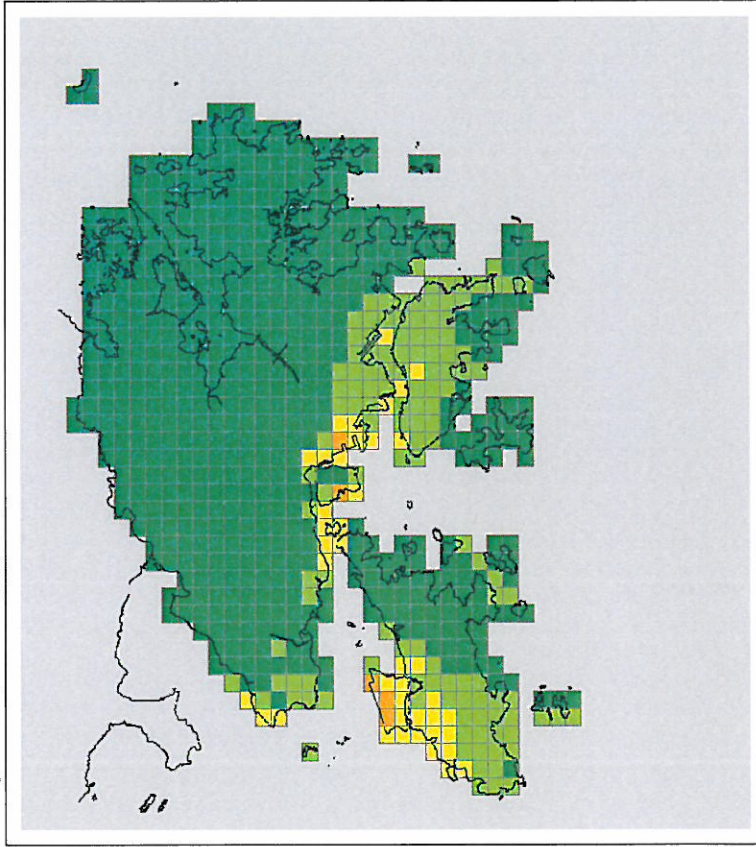
(0 - 19m above ground)



Background

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

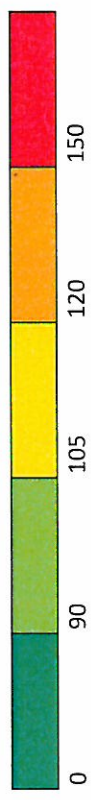
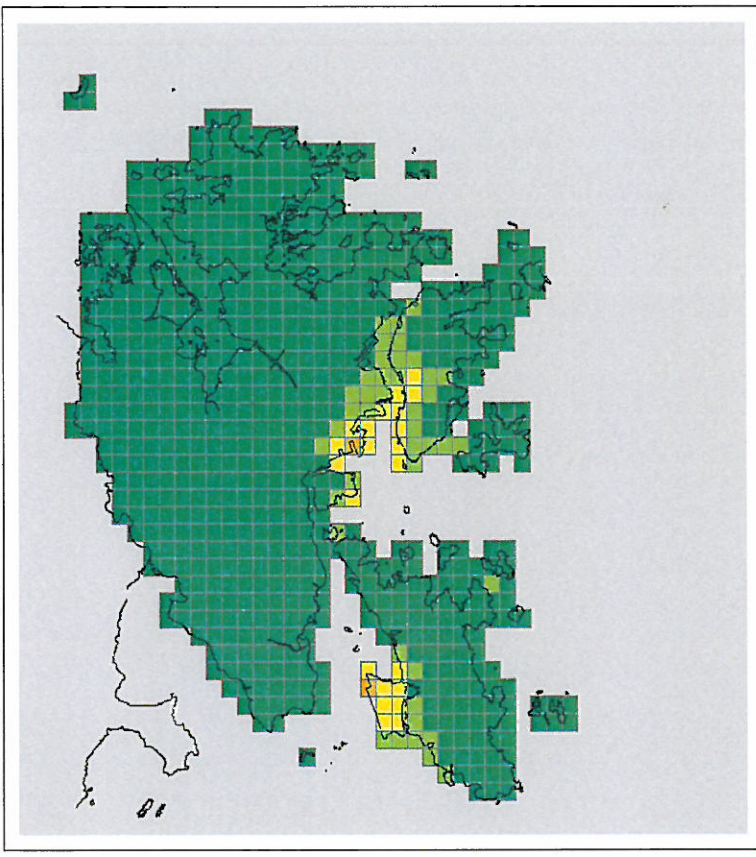
(19 - 41m above ground)



Background

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

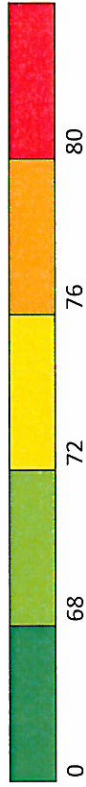
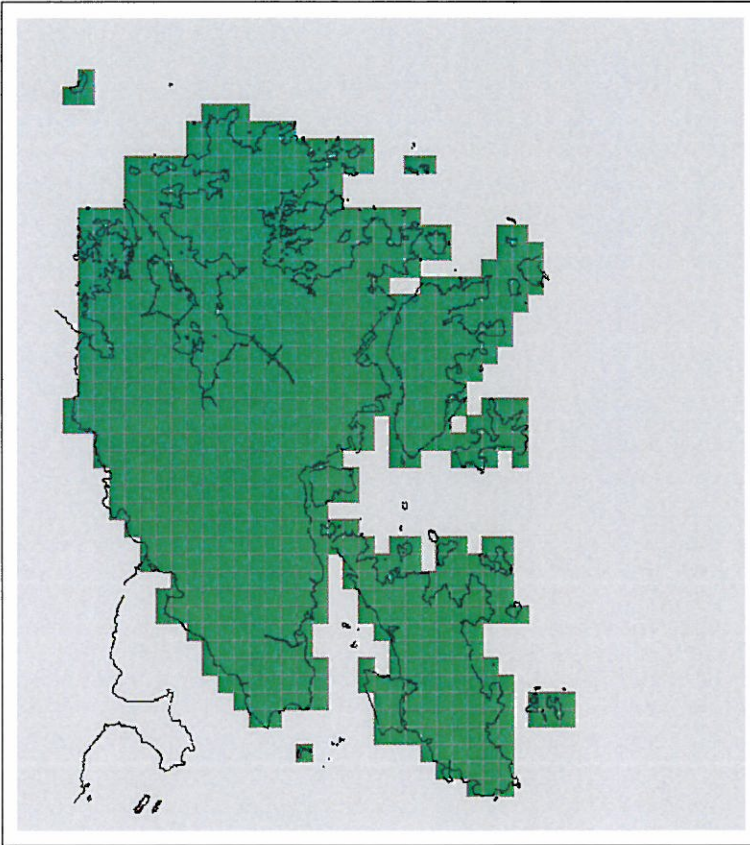
(19 - 41m above ground)



Background

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

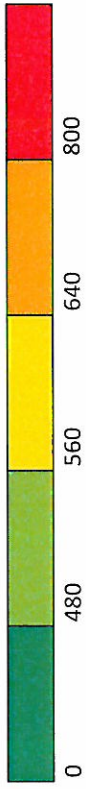
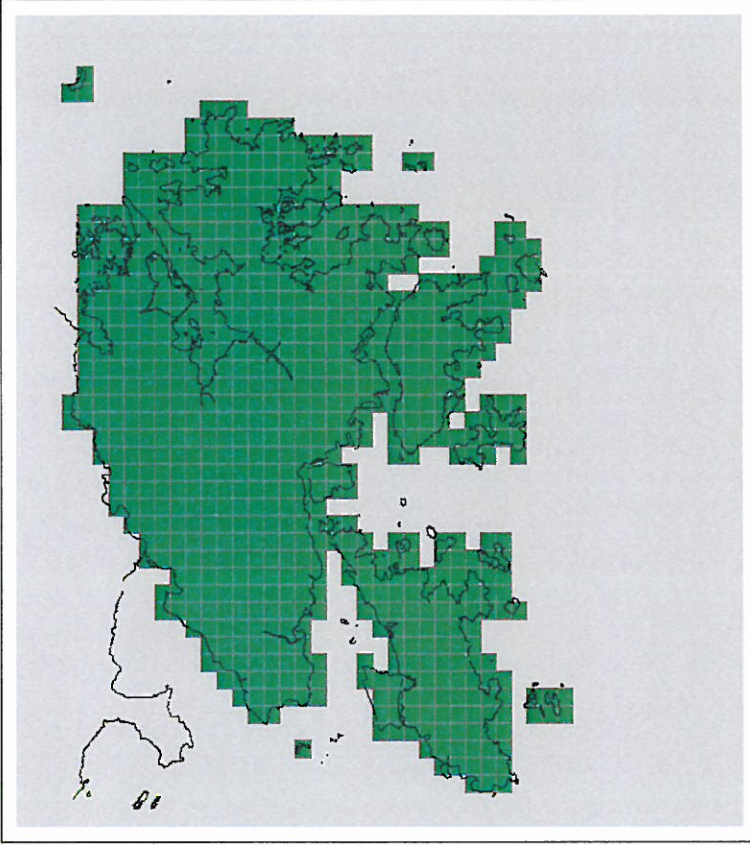
(19 - 41m above ground)



Background

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

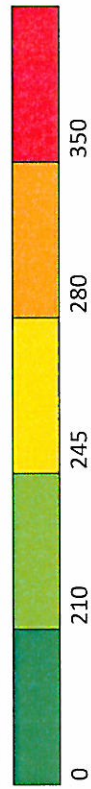
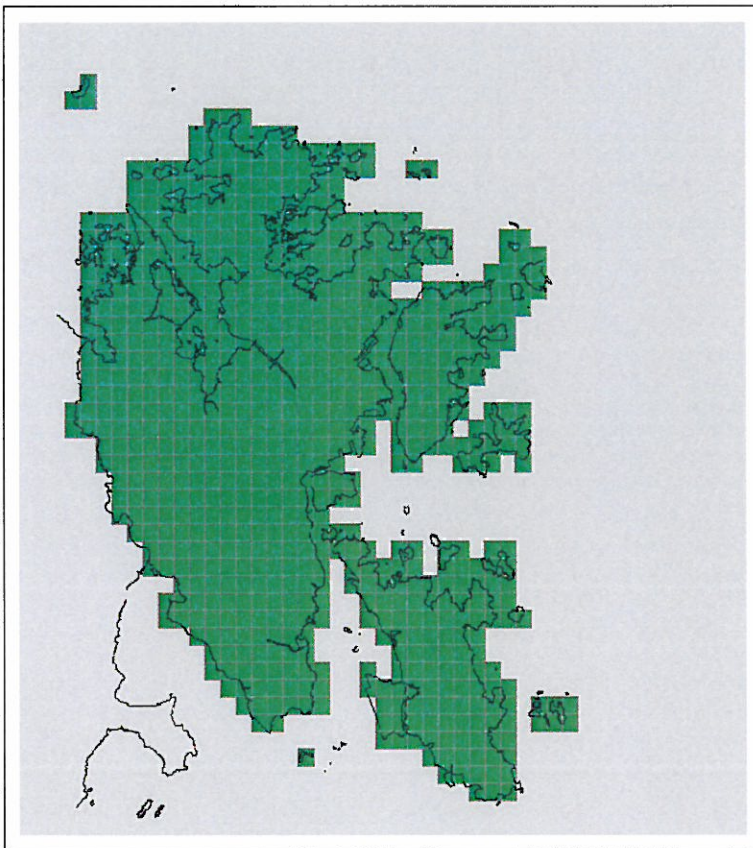
(19 - 41m above ground)



Background

SO₂ Daily Max. (µg/m³)

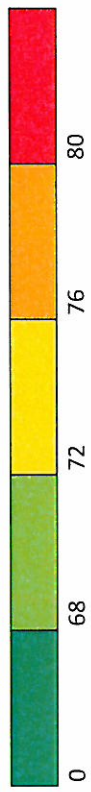
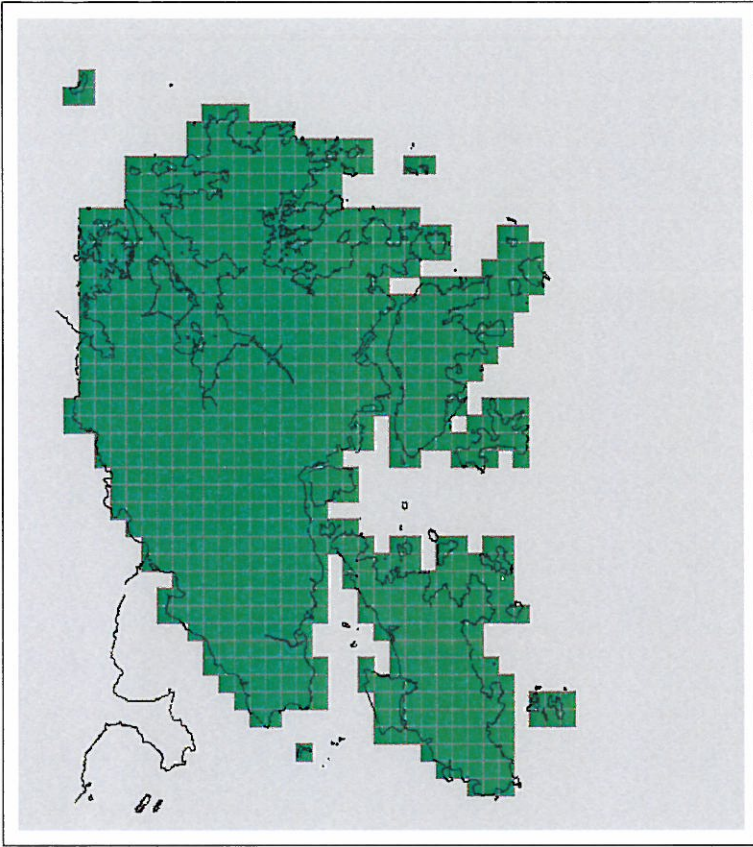
(19 - 41m above ground)



Background

SO₂ Annual Average (µg/m³)

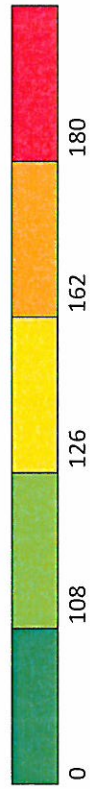
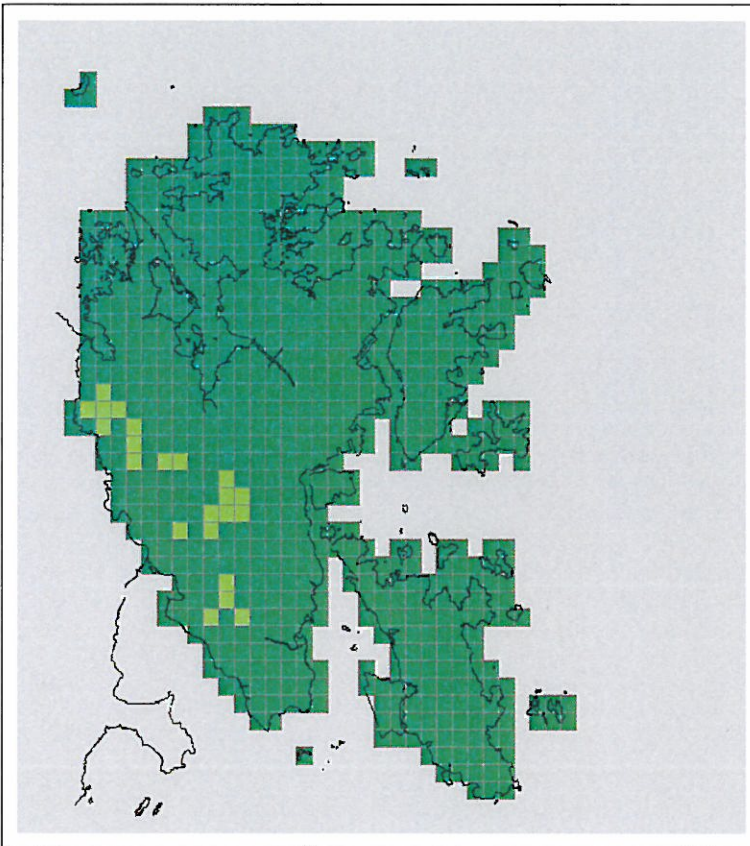
(19 - 41m above ground)



Background

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

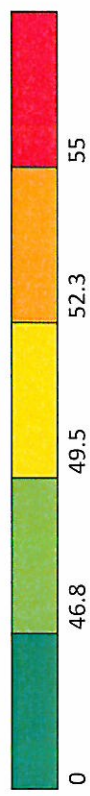
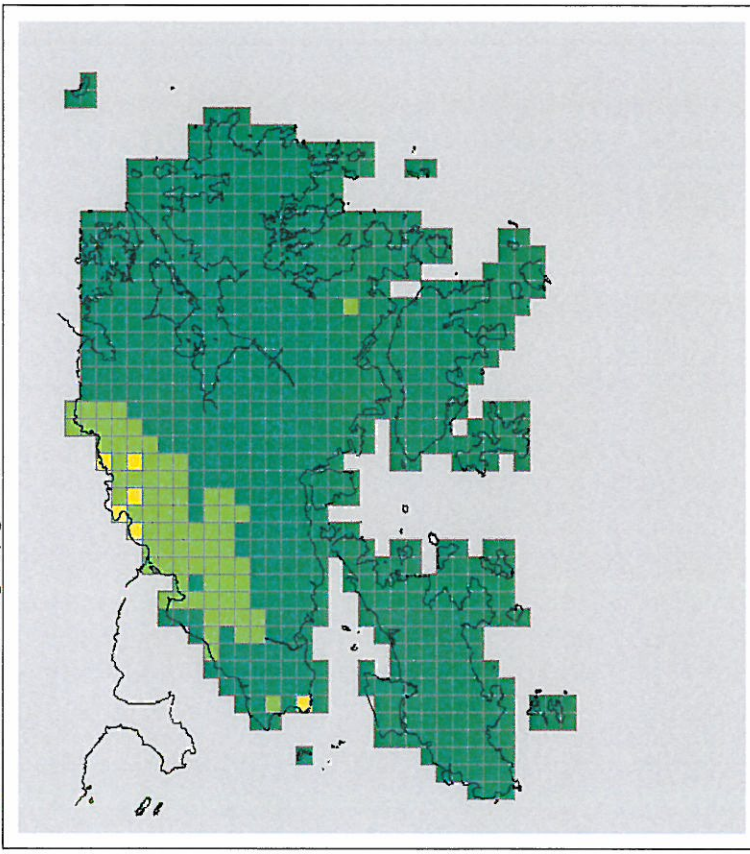
(19 - 41m above ground)



Background

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

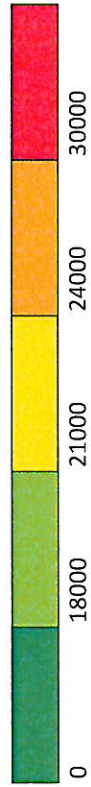
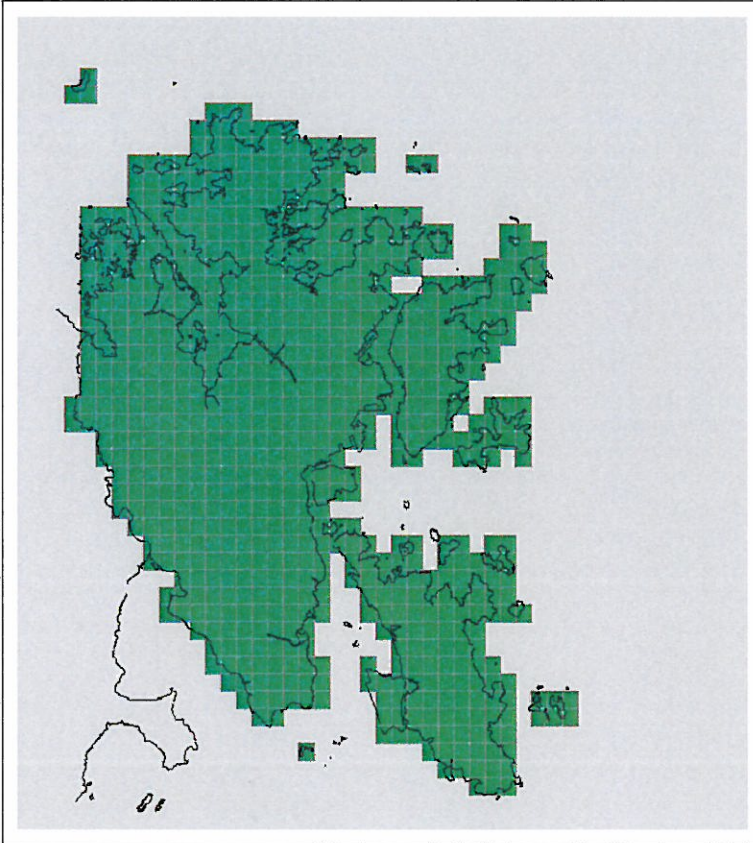
(19 - 41m above ground)



Background

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

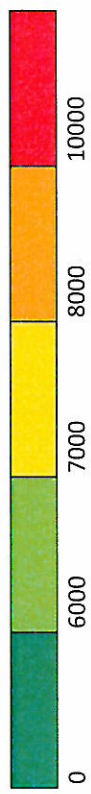
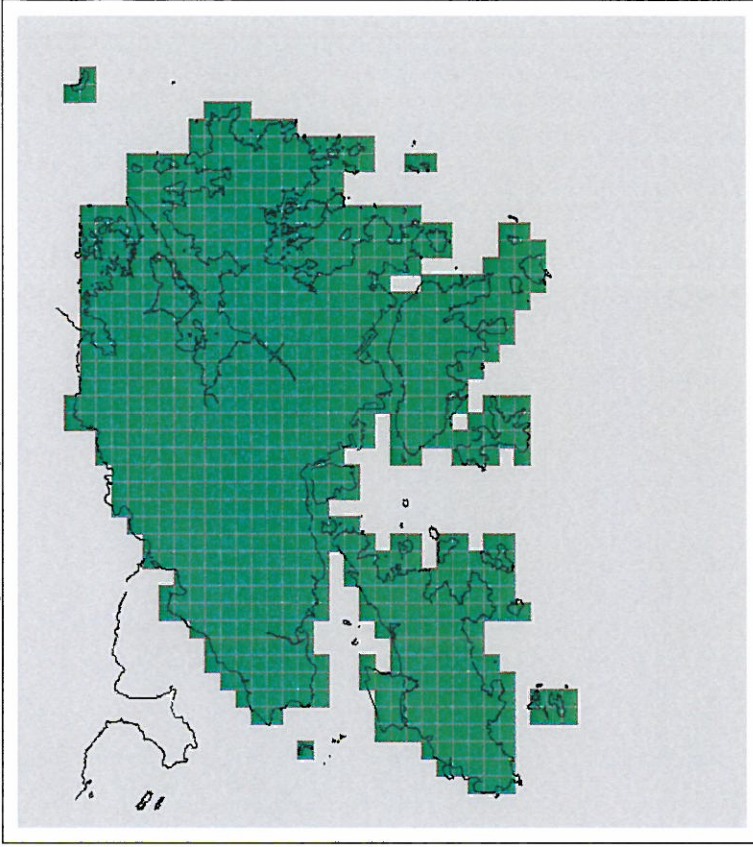
(19 - 41m above ground)



Background

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

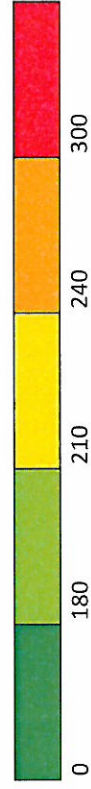
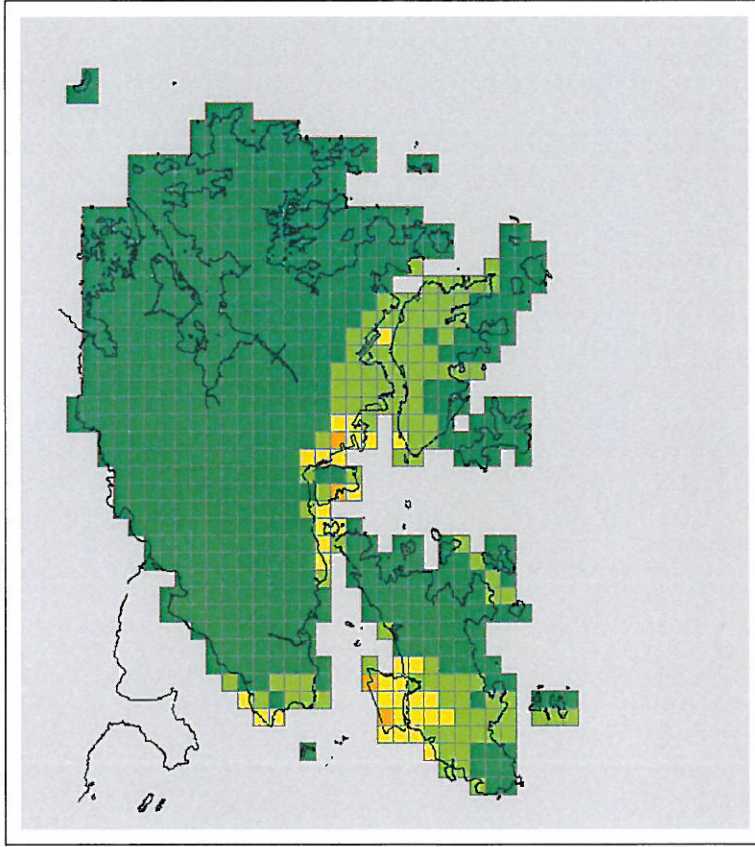
(19 - 41m above ground)



Background

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

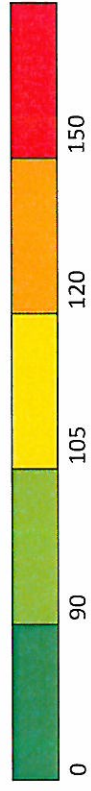
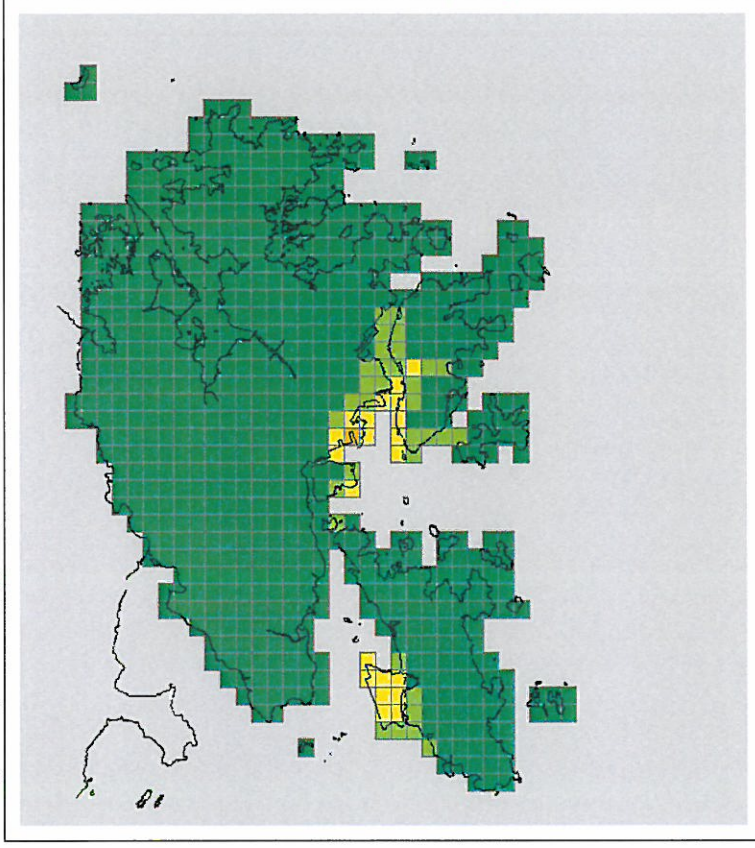
(41 - 79m above ground)



Background

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

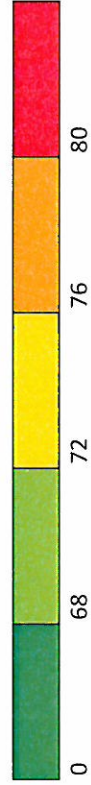
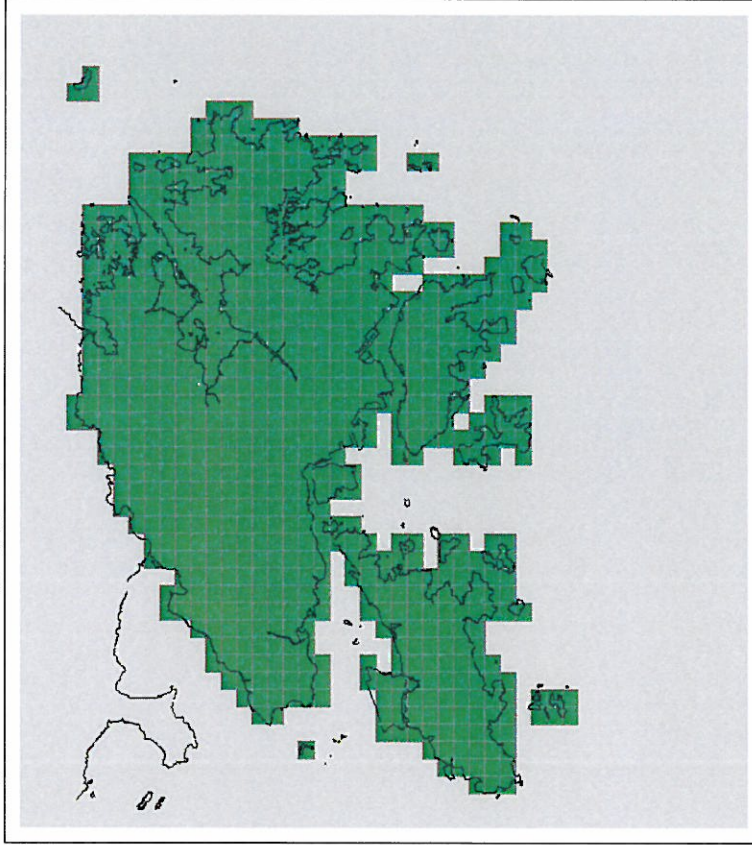
(41 - 79m above ground)



Background

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

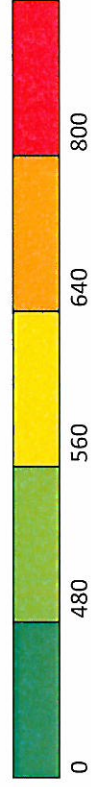
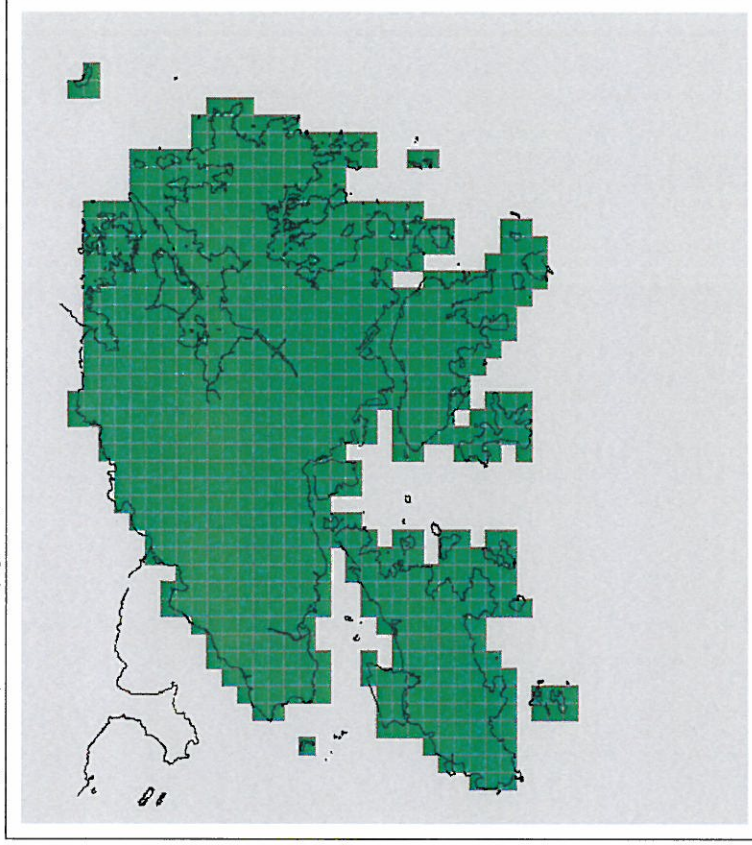
(41 - 79m above ground)



Background

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

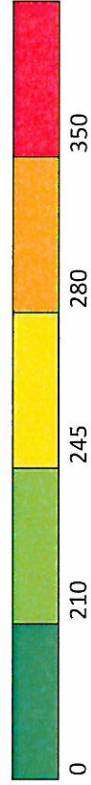
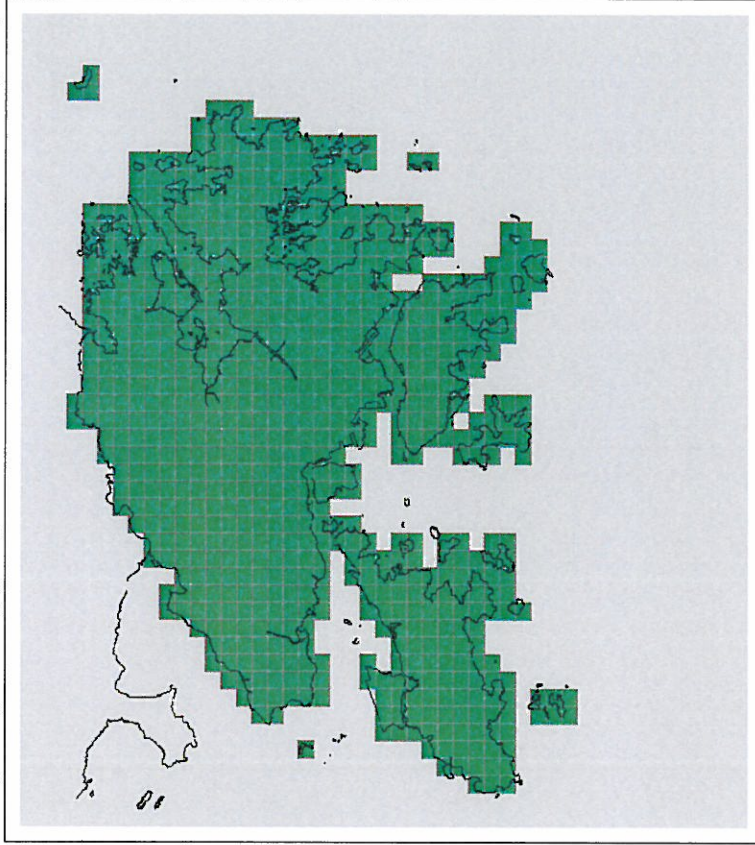
(41 - 79m above ground)



Background

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

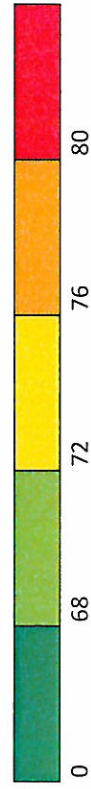
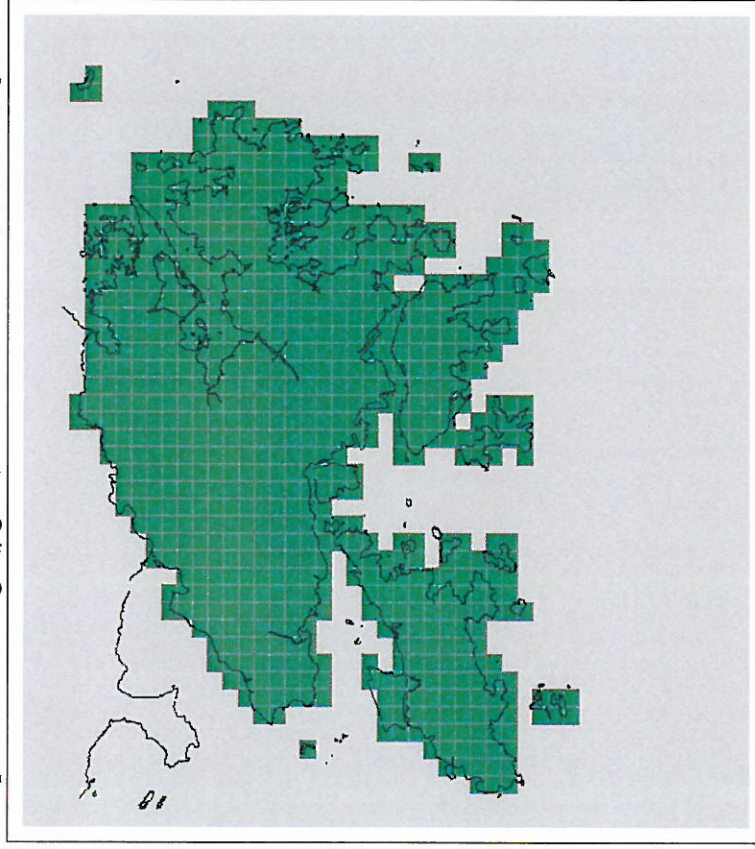
(41 - 79m above ground)



Background

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

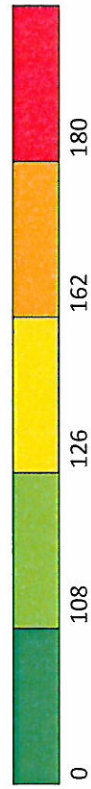
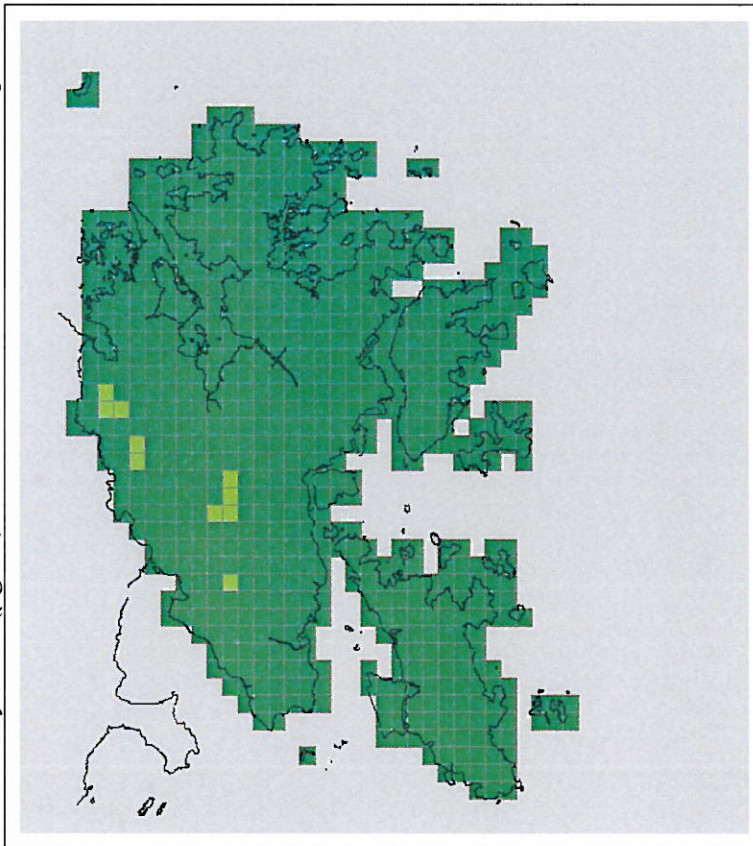
(41 - 79m above ground)



Background

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

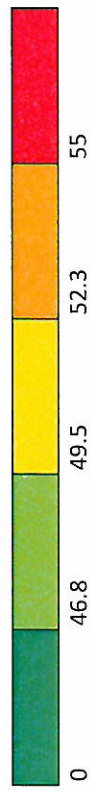
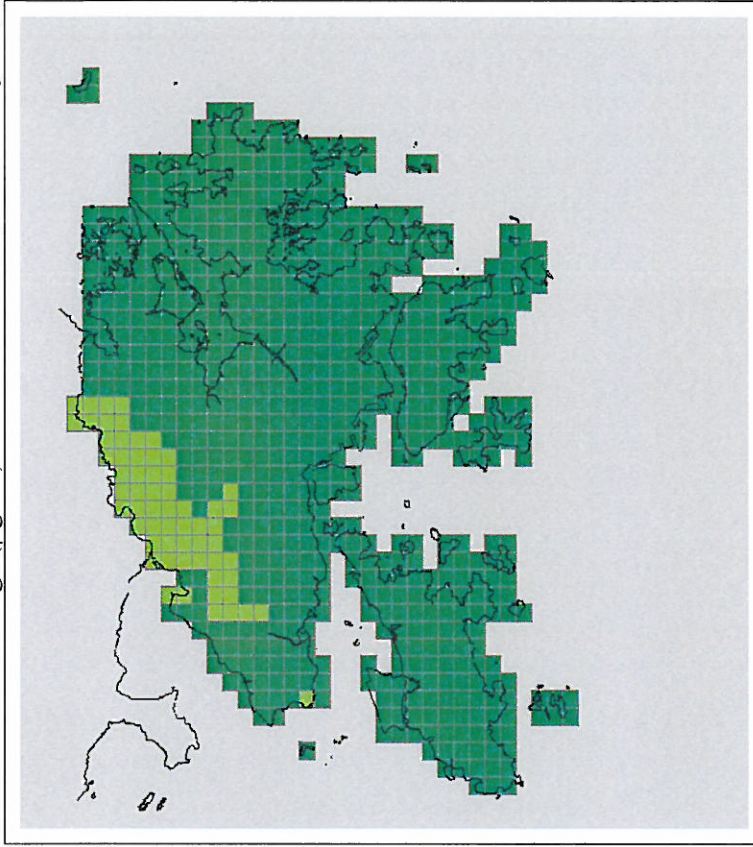
(41 - 79m above ground)



Background

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

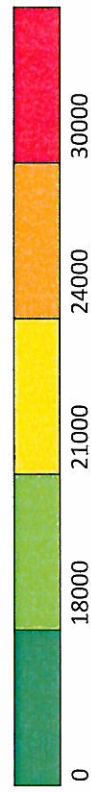
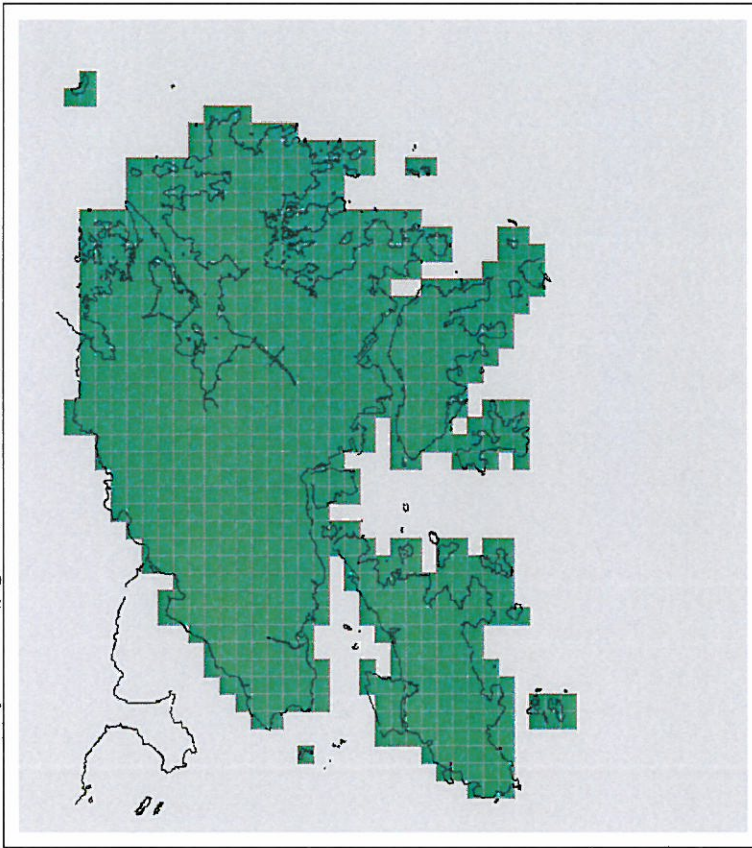
(41 - 79m above ground)



Background

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

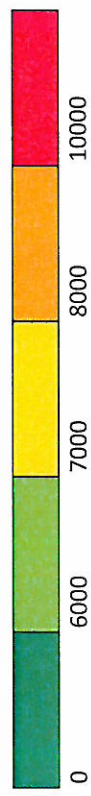
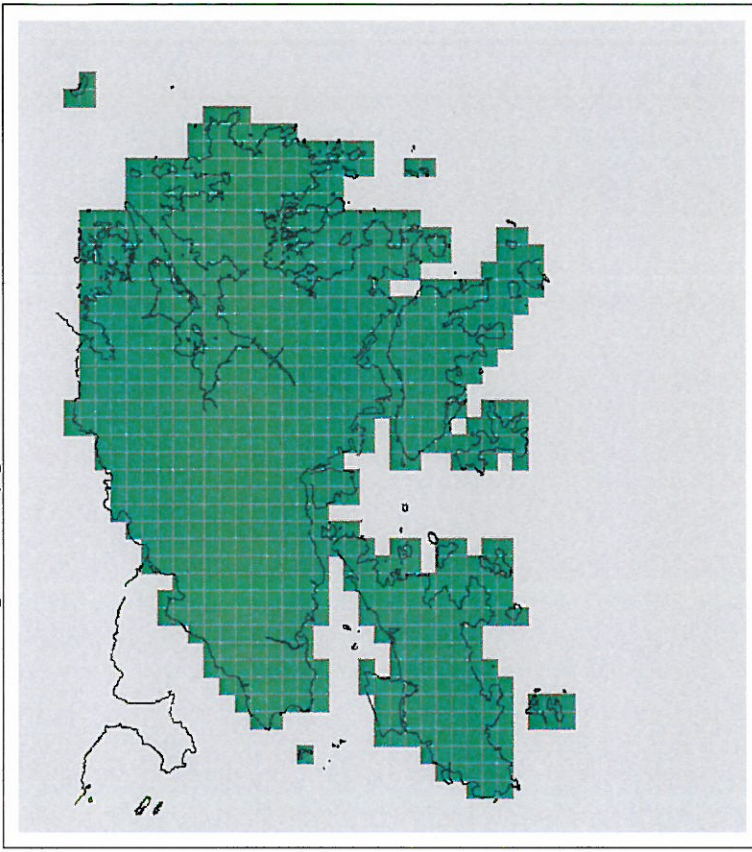
(41 - 79m above ground)



Background

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

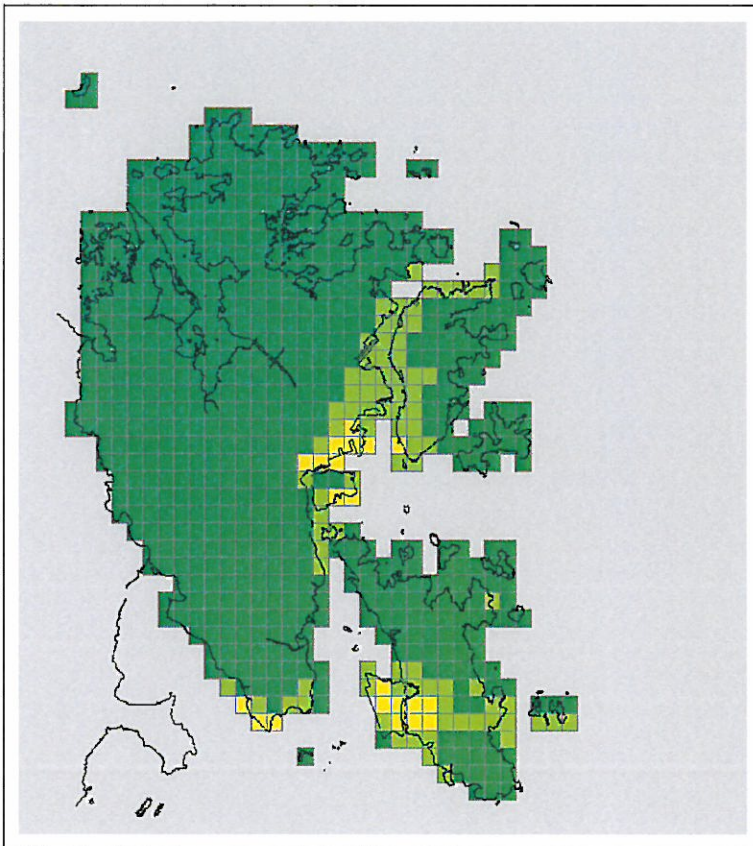
(41 - 79m above ground)



Background

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

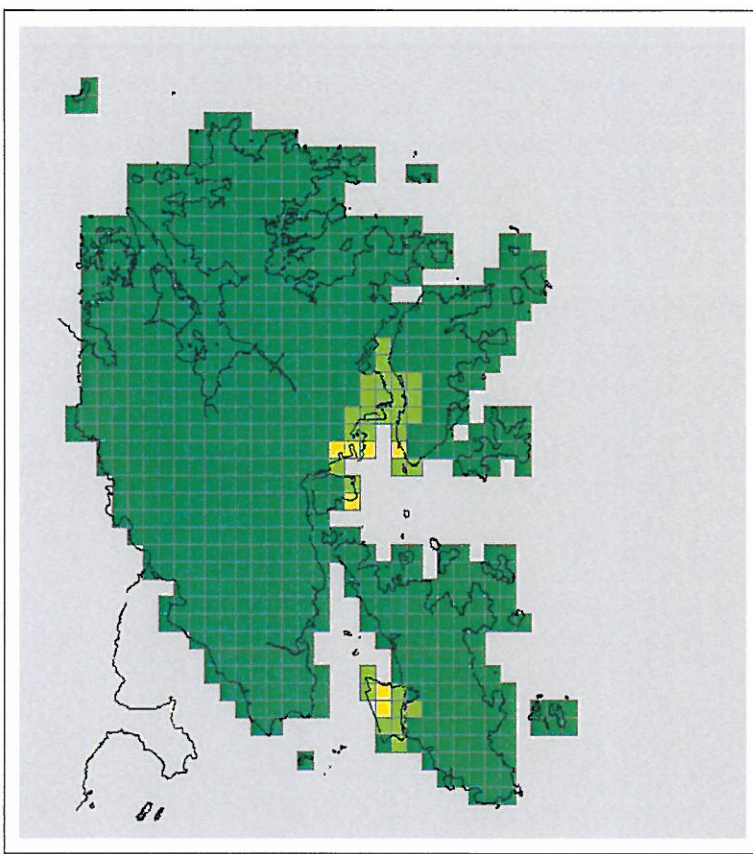
(79 - 120m above ground)



Background

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

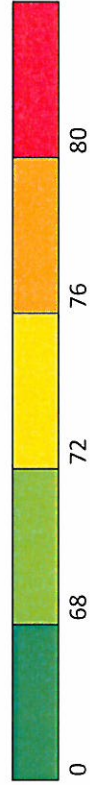
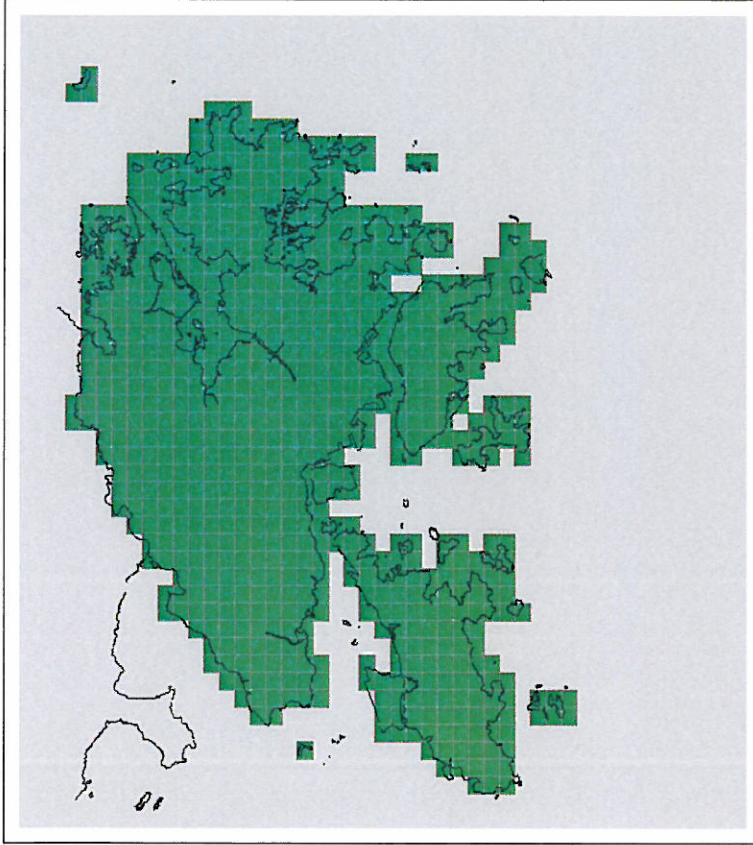
(79 - 120m above ground)



Background

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

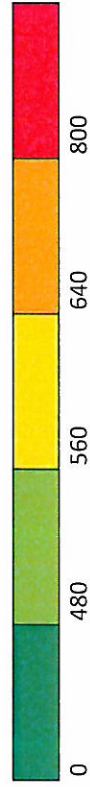
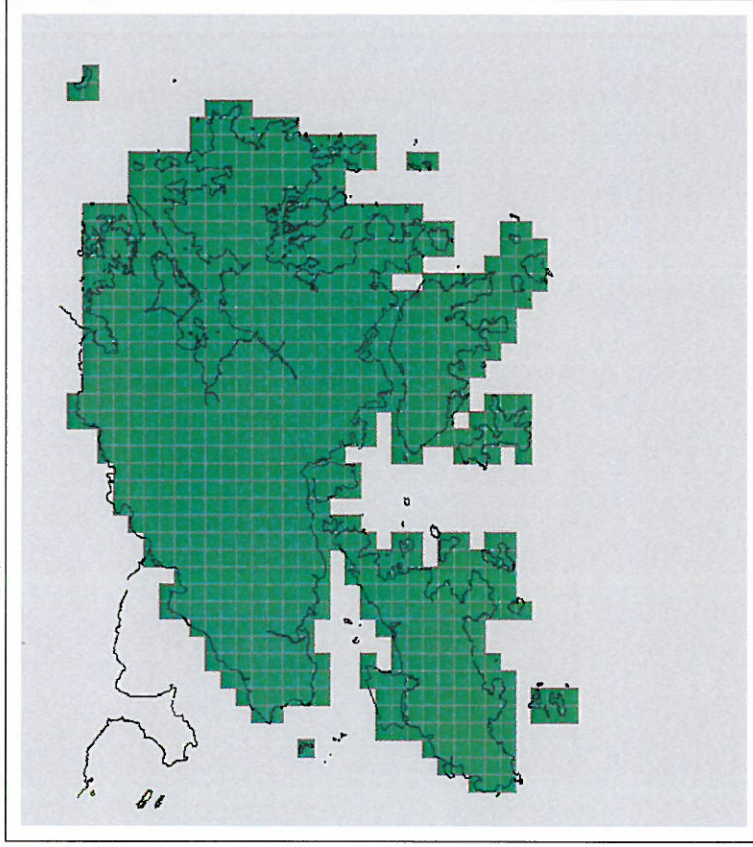
(79 - 120m above ground)



Background

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

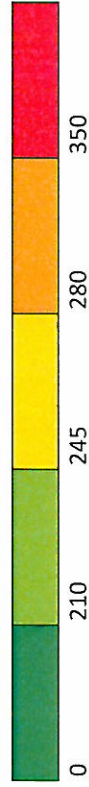
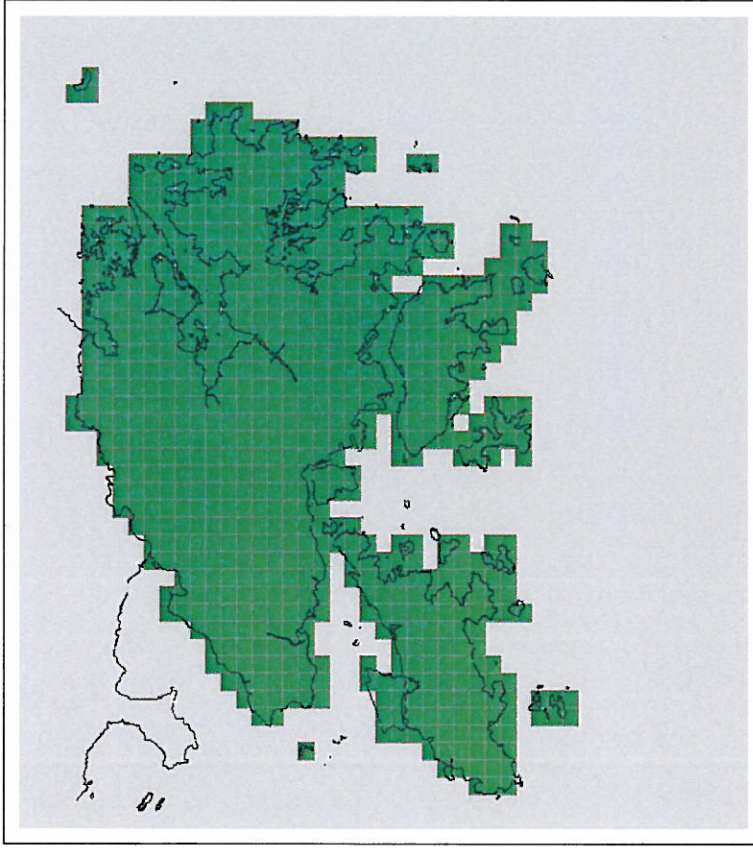
(79 - 120m above ground)



Background

SO₂ Daily Max. (µg/m³)

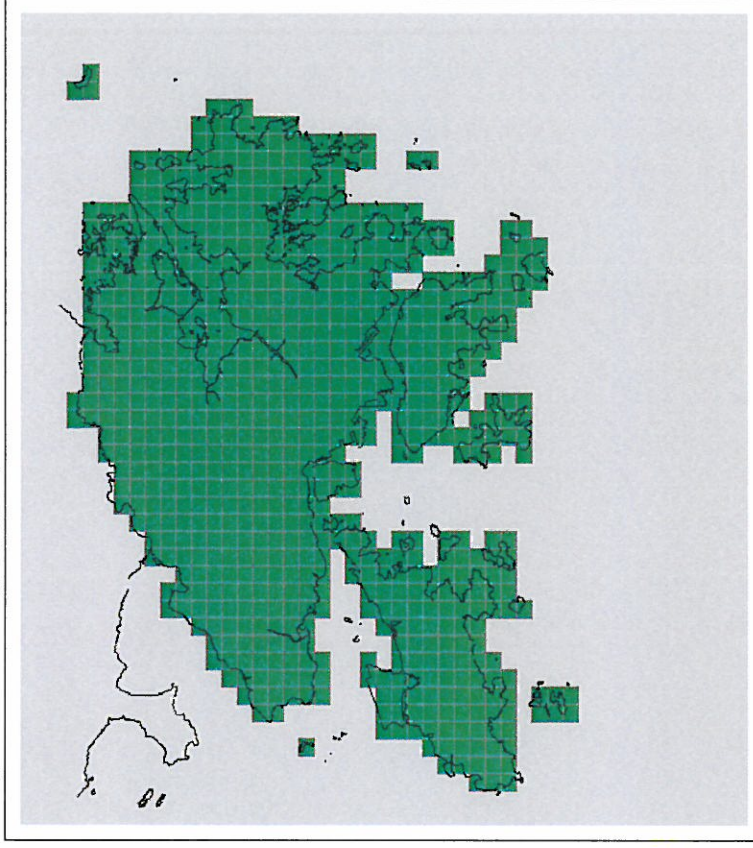
(79 - 120m above ground)



Background

SO₂ Annual Average (µg/m³)

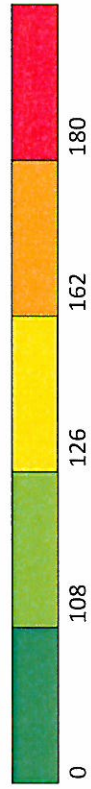
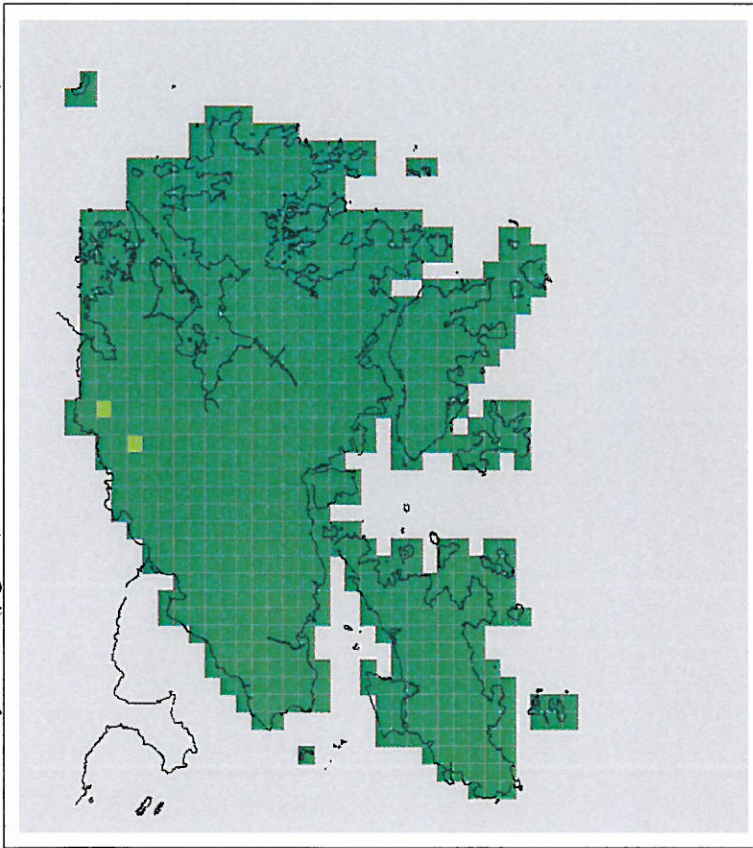
(79 - 120m above ground)



Background

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

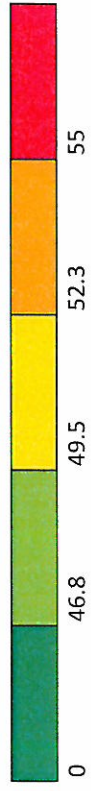
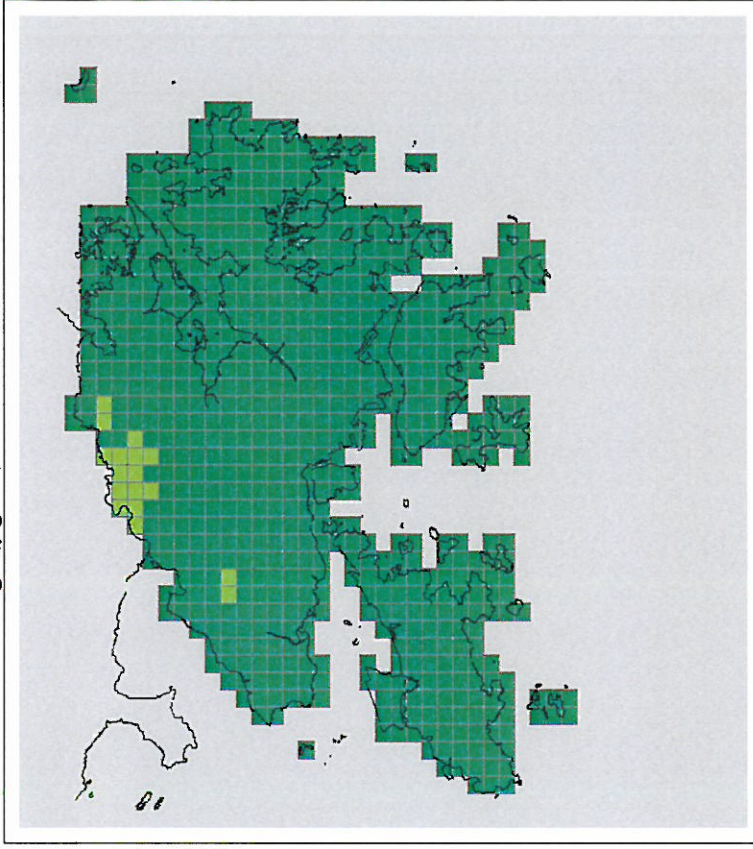
(79 - 120m above ground)



Background

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

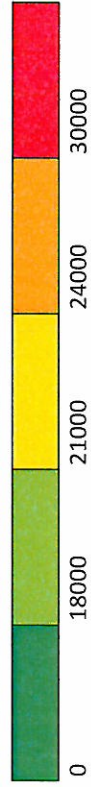
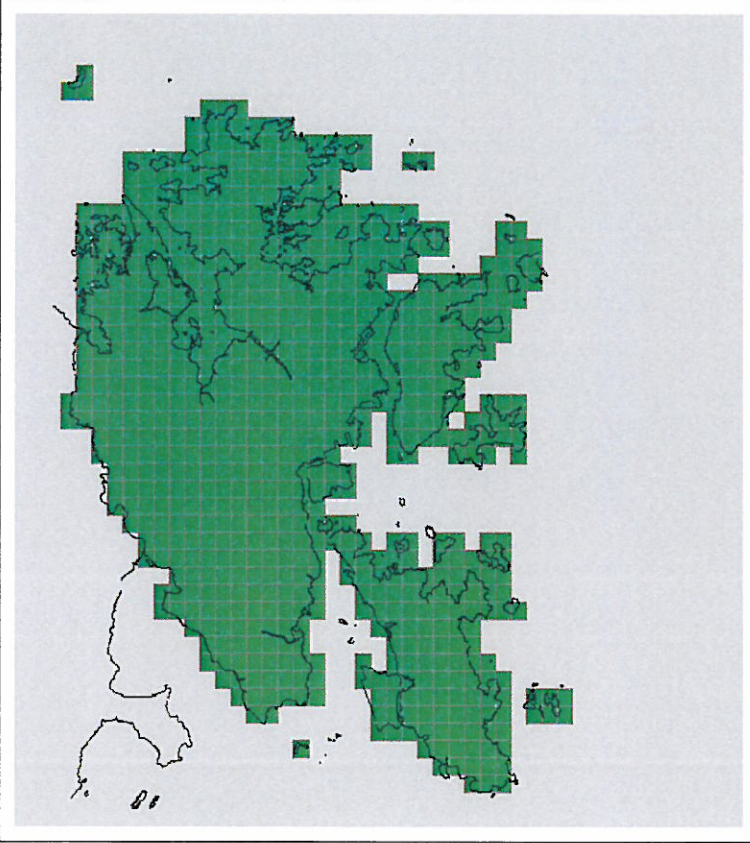
(79 - 120m above ground)



Background

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

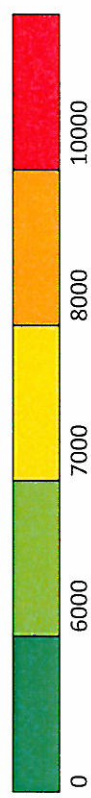
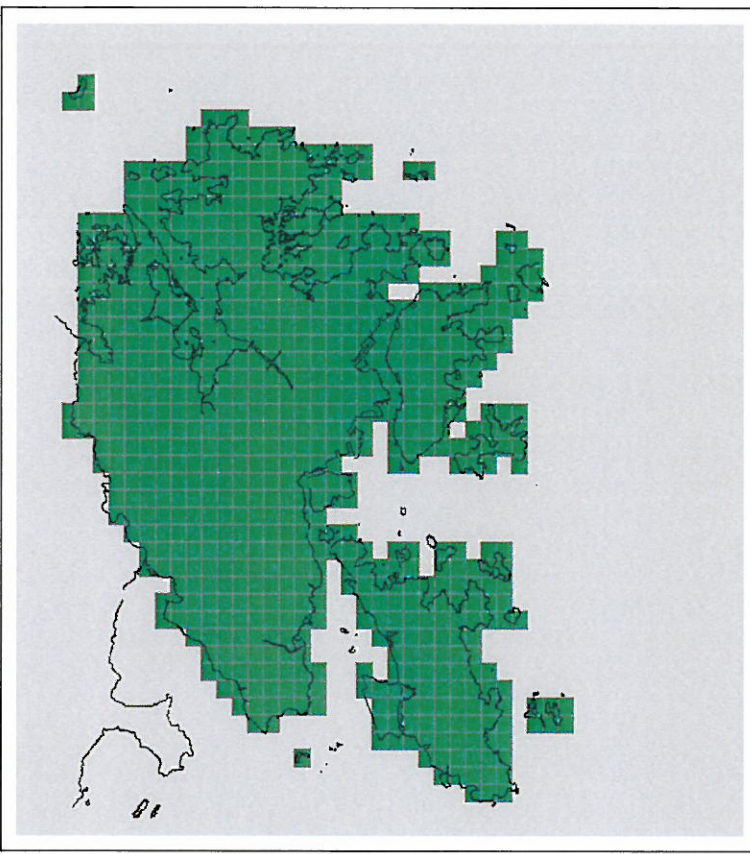
(79 - 120m above ground)



Background

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

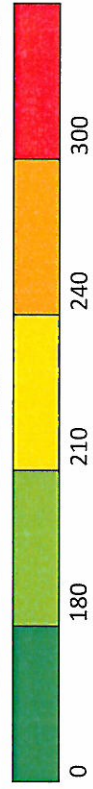
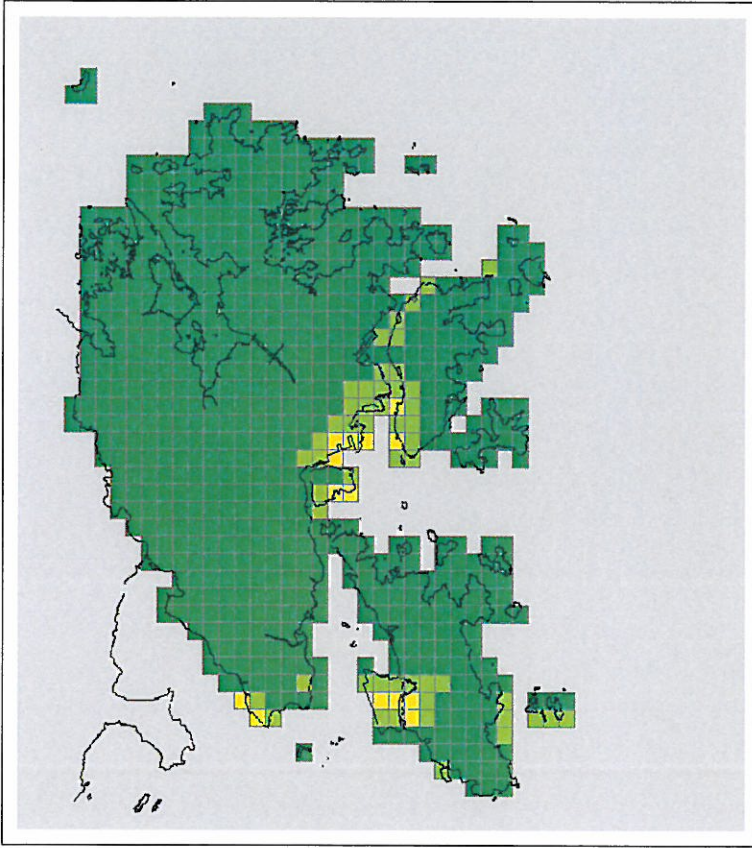
(79 - 120m above ground)



Background

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

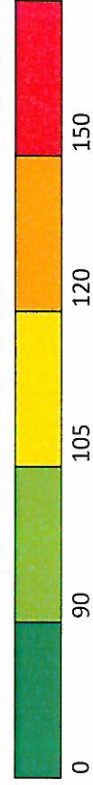
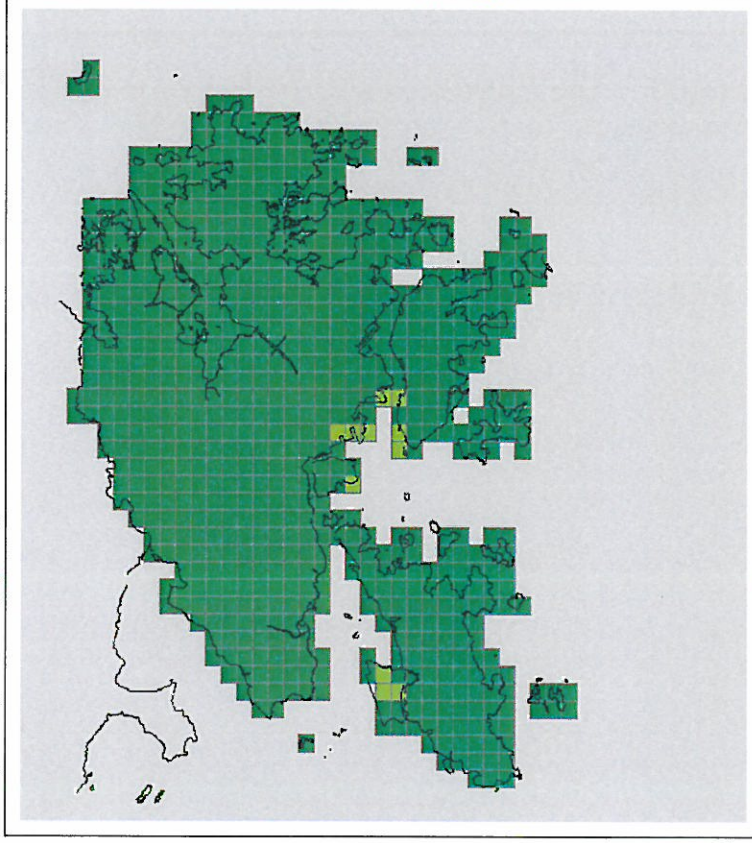
(120 - 175m above ground)



Background

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

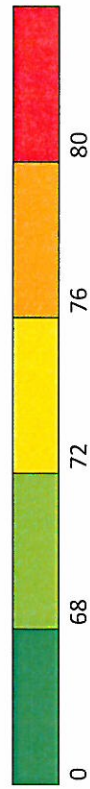
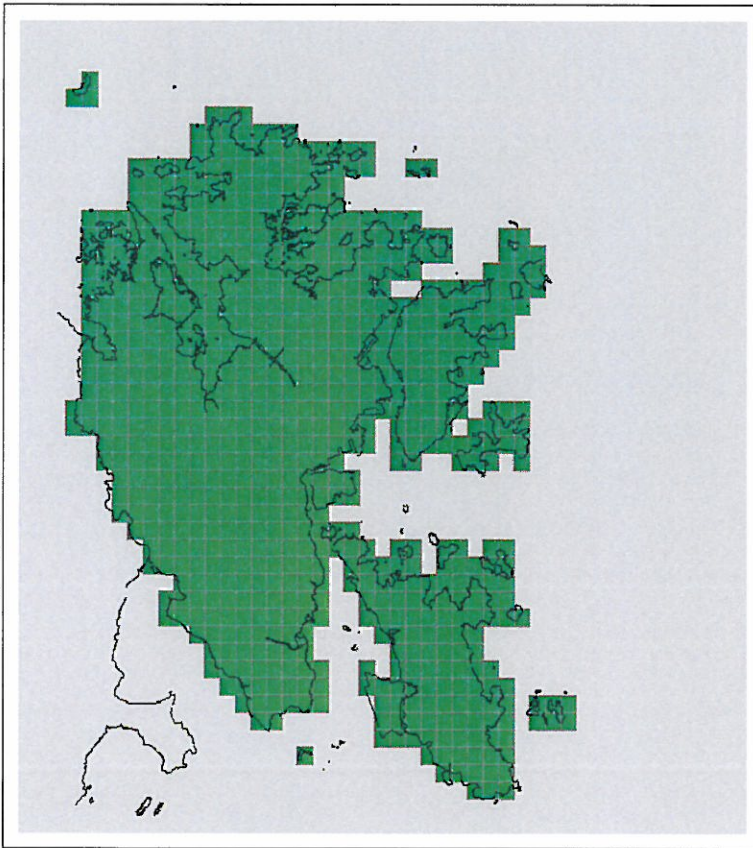
(120 - 175m above ground)



Background

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

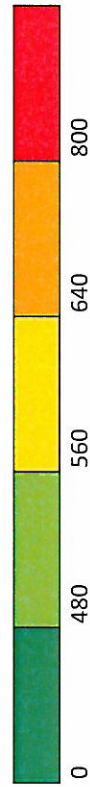
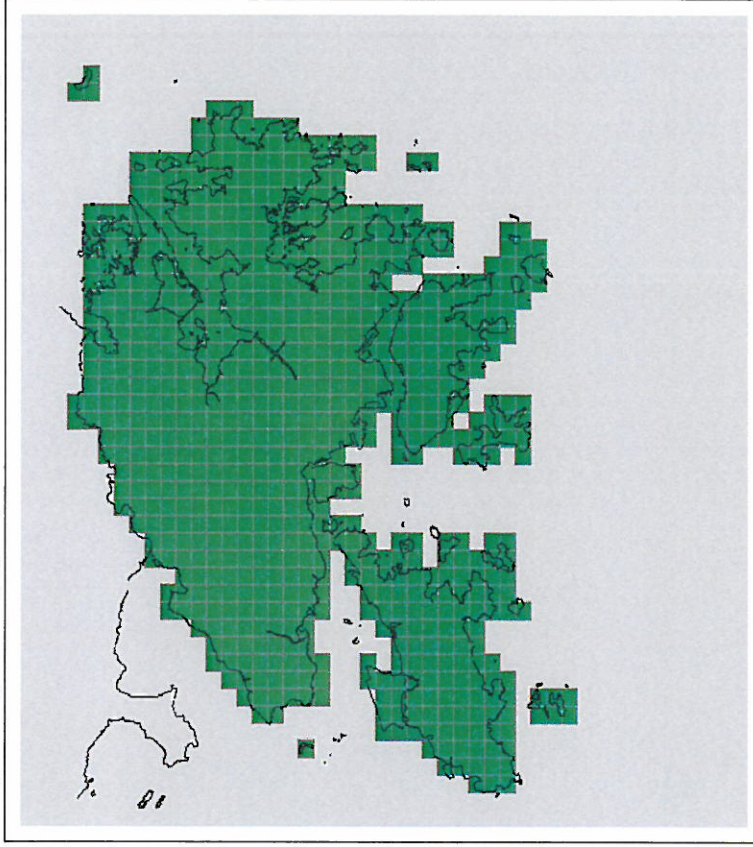
(120 - 175m above ground)



Background

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

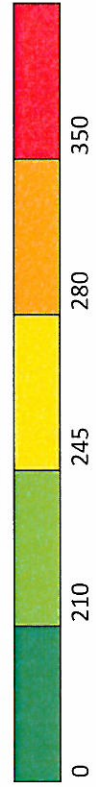
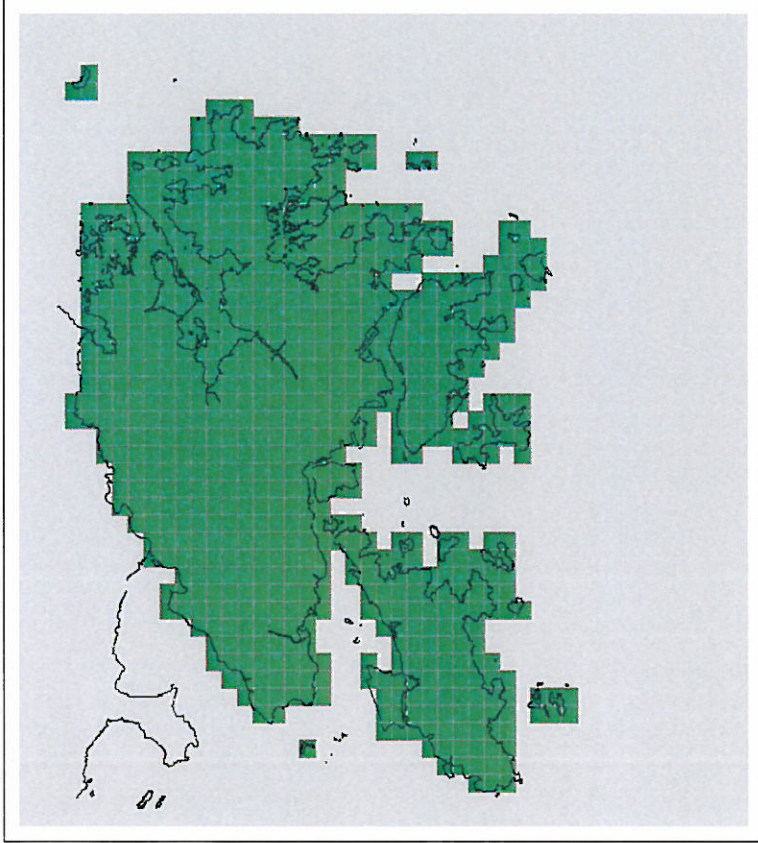
(120 - 175m above ground)



Background

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

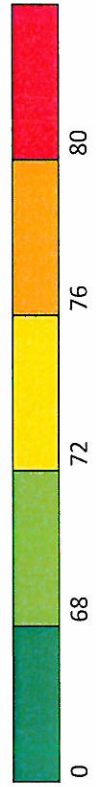
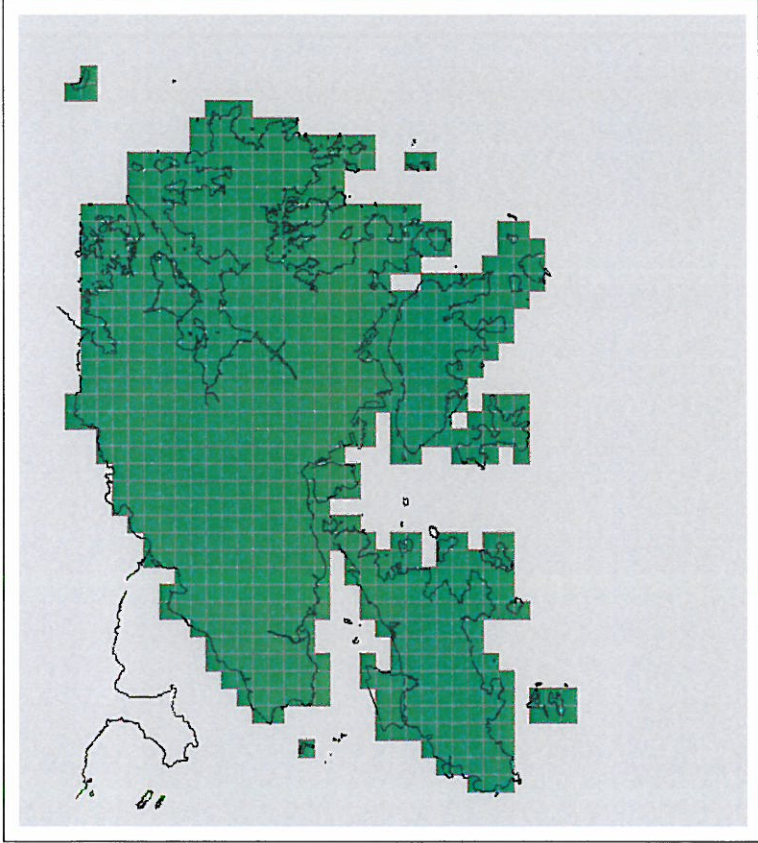
(120 - 175m above ground)



Background

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

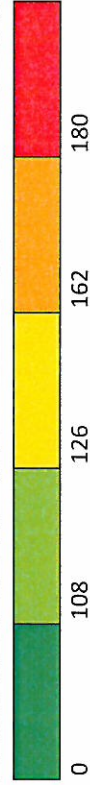
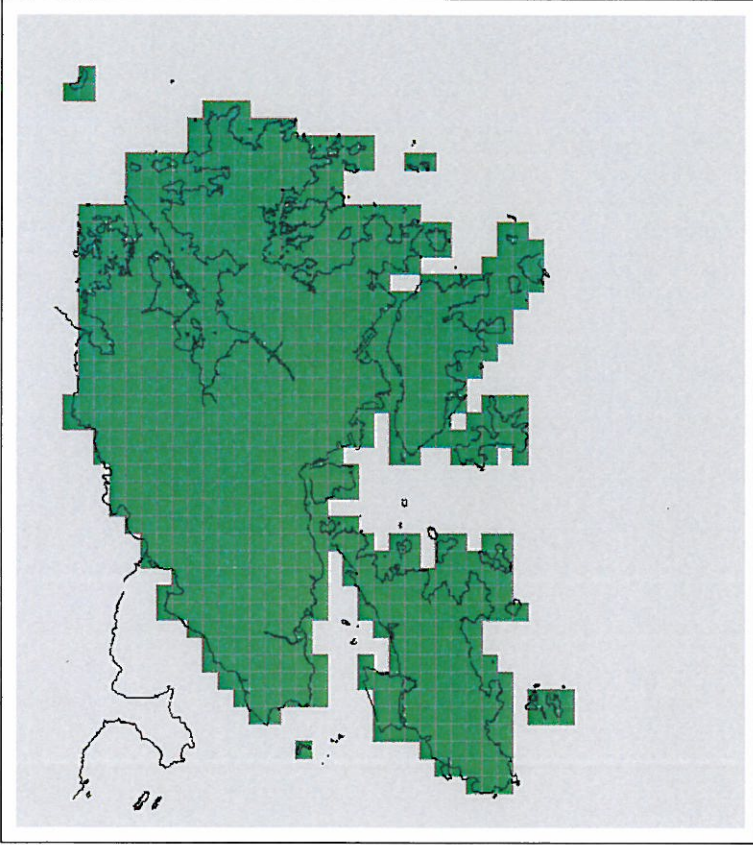
(120 - 175m above ground)



Background

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

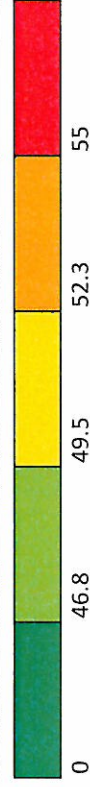
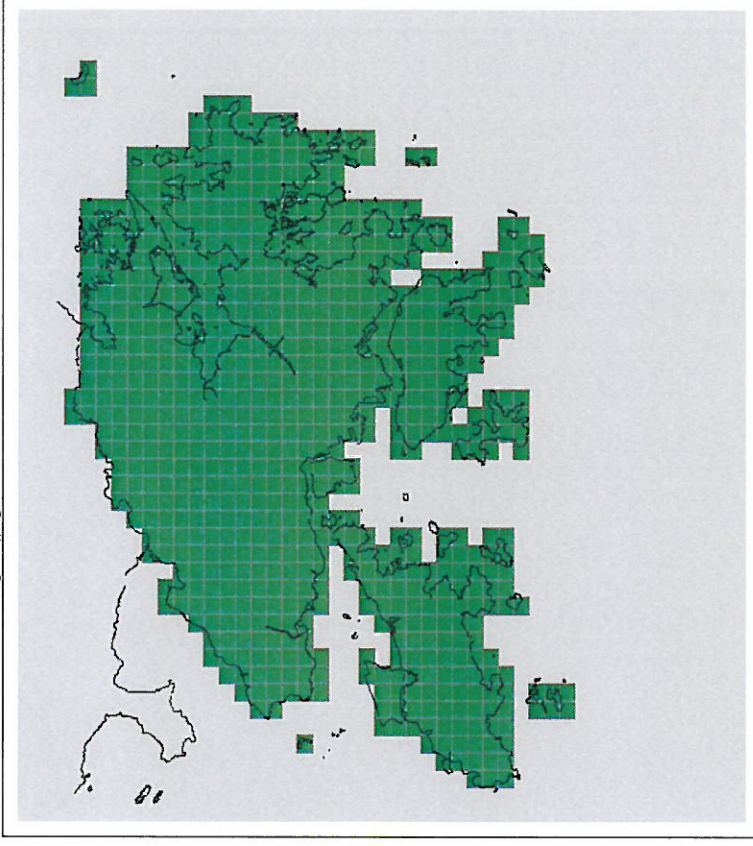
(120 - 175m above ground)



Background

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

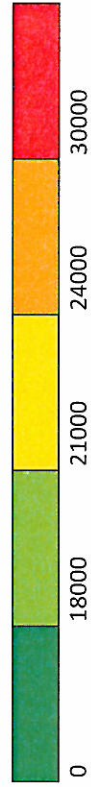
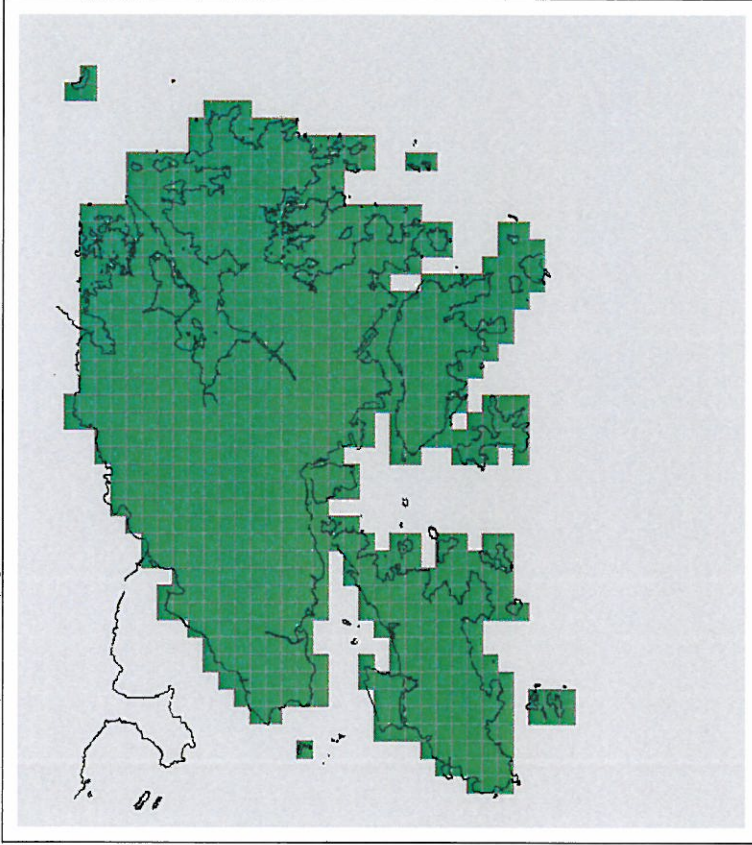
(120 - 175m above ground)



Background

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

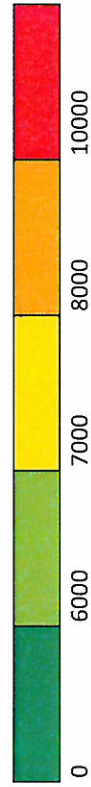
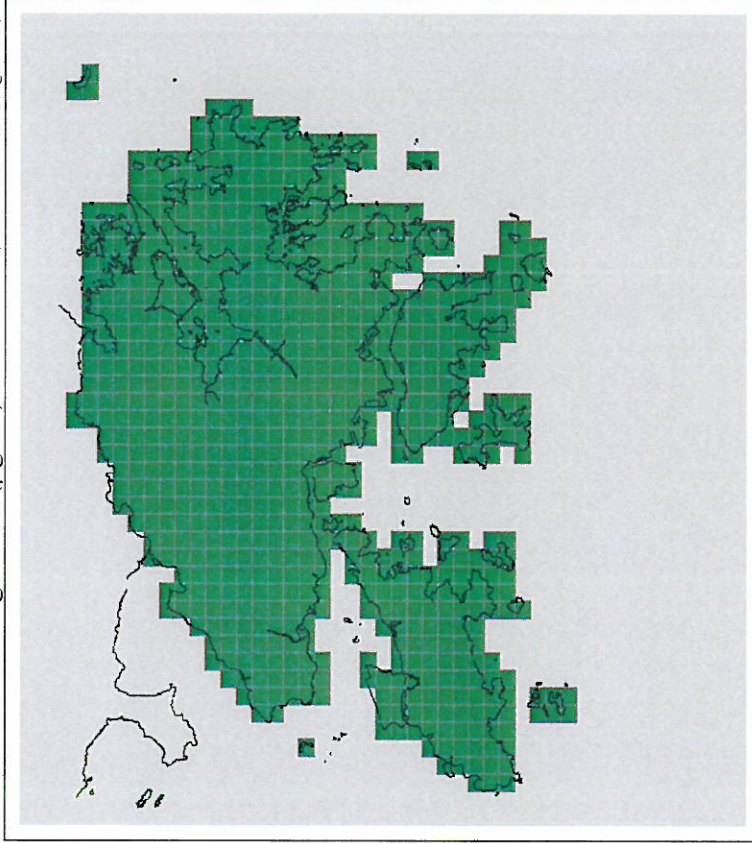
(120 - 175m above ground)



Background

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)



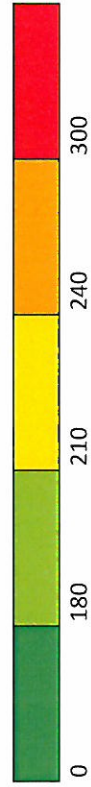
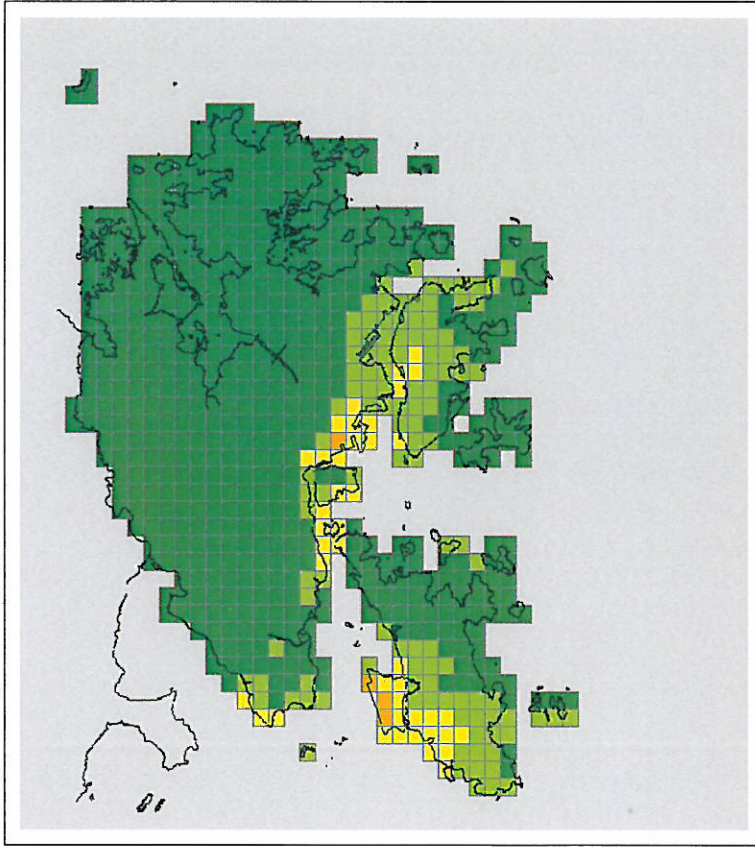
Appendix 3.11b

***Plots of the Predicted Concentration from PATH
model – The IWMF at the TTAL Site***

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

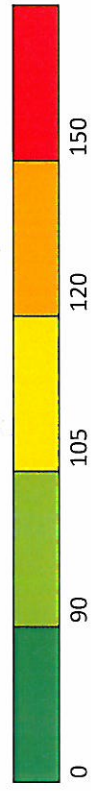
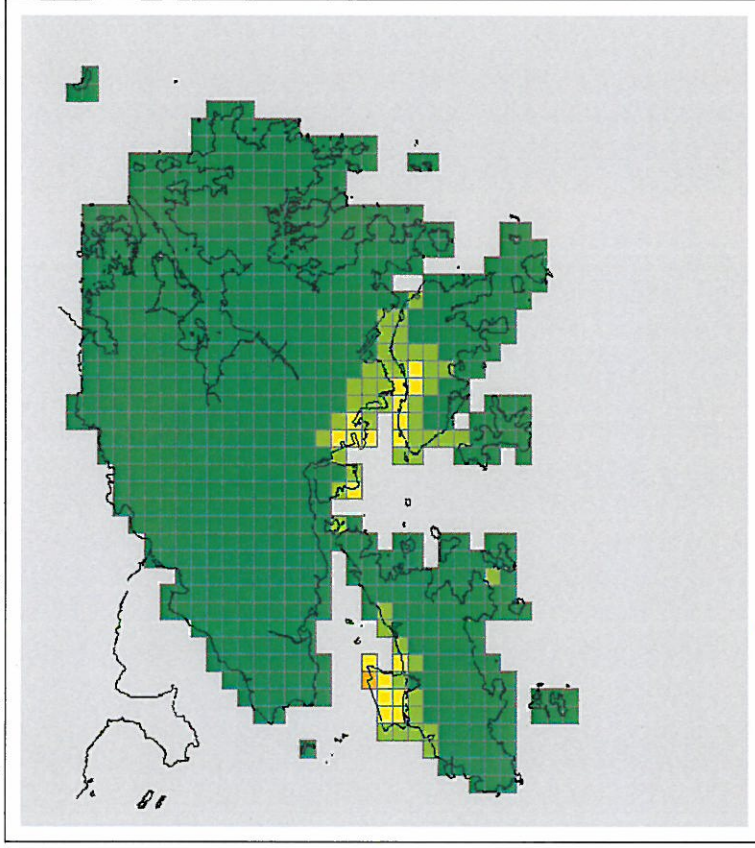
(0 - 19m above ground)



The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

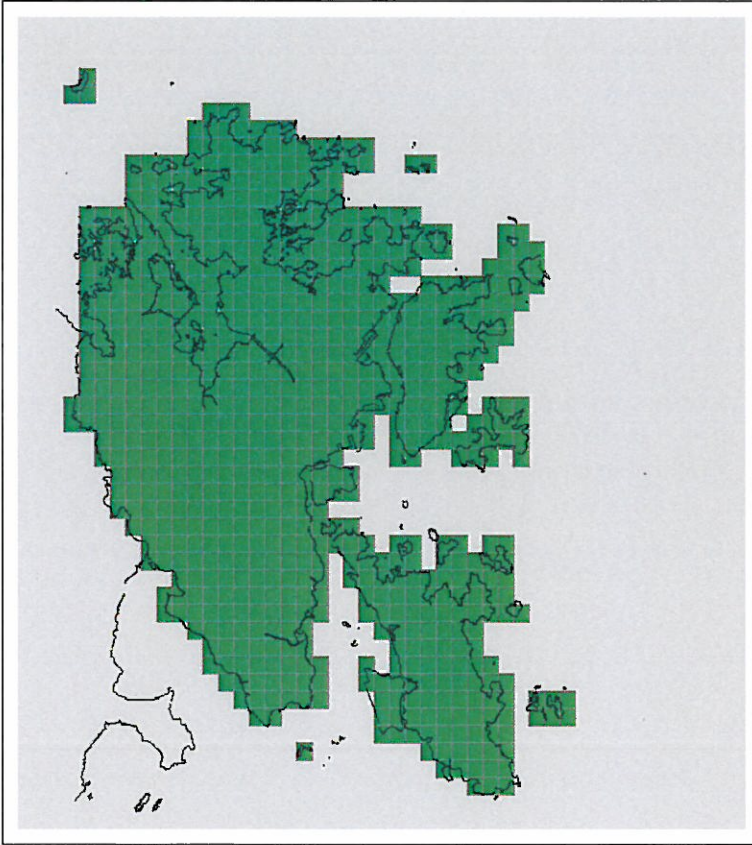
(0 - 19m above ground)



The IWMF at the TTAL Site

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

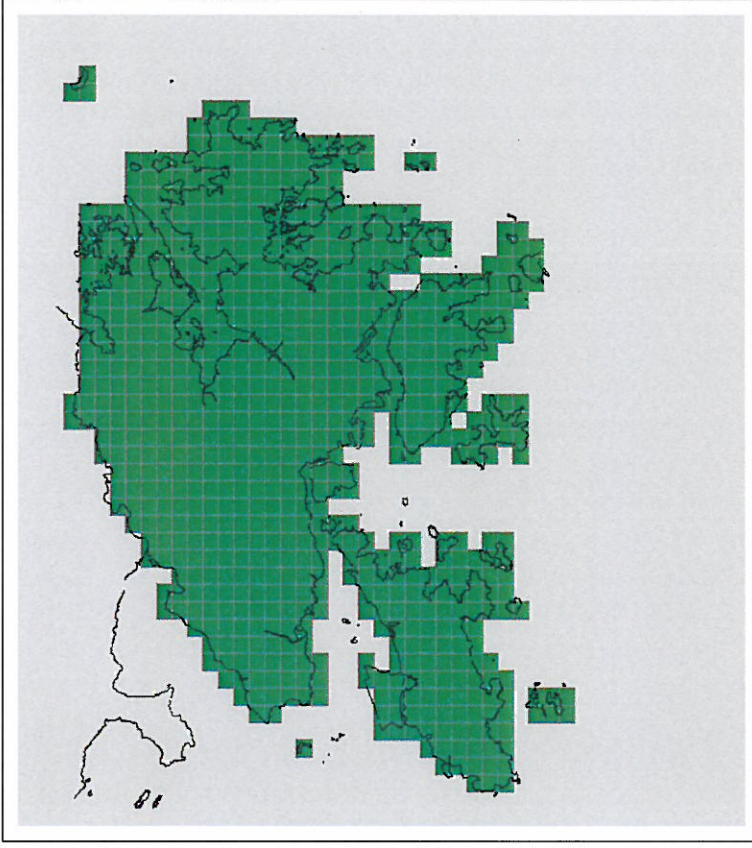
(0 - 19m above ground)



The IWMF at the TTAL Site

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

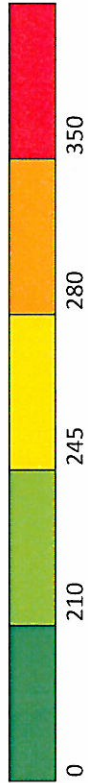
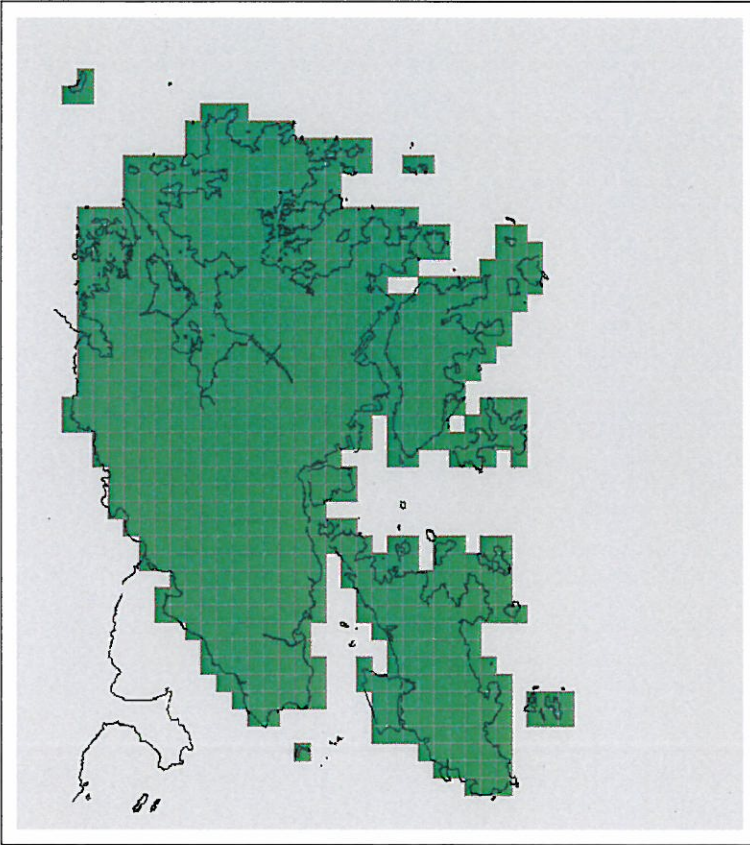
(0 - 19m above ground)



The IWMF at the TTAL Site

SO₂ Daily Max. (µg/m³)

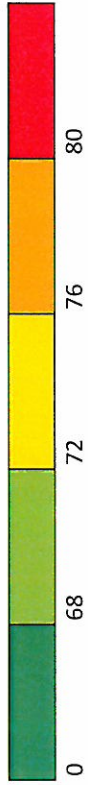
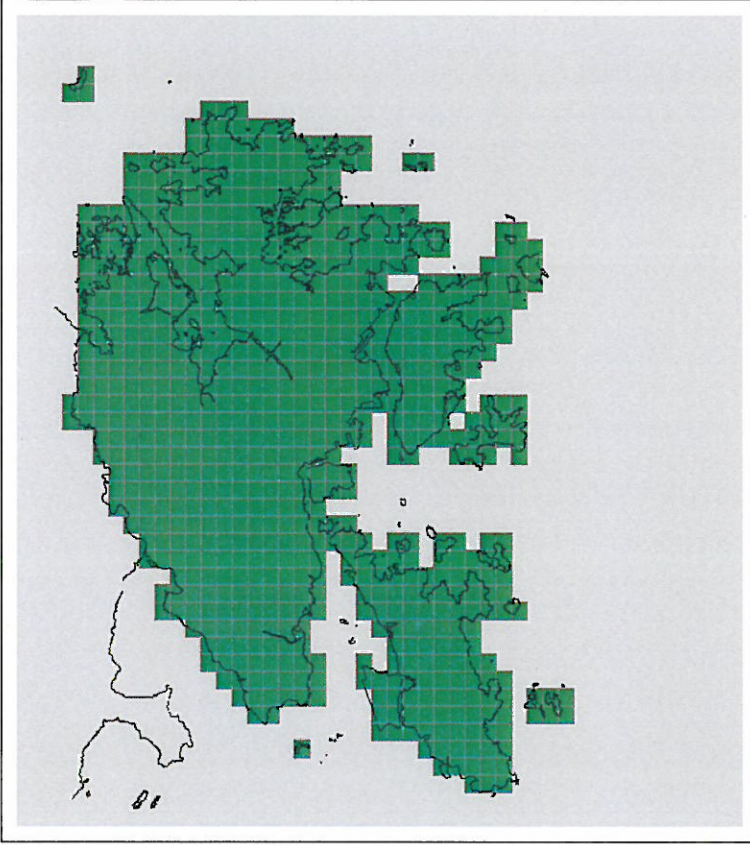
(0 - 19m above ground)



The IWMF at the TTAL Site

SO₂ Annual Average (µg/m³)

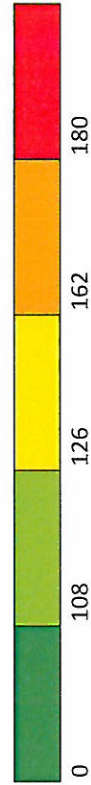
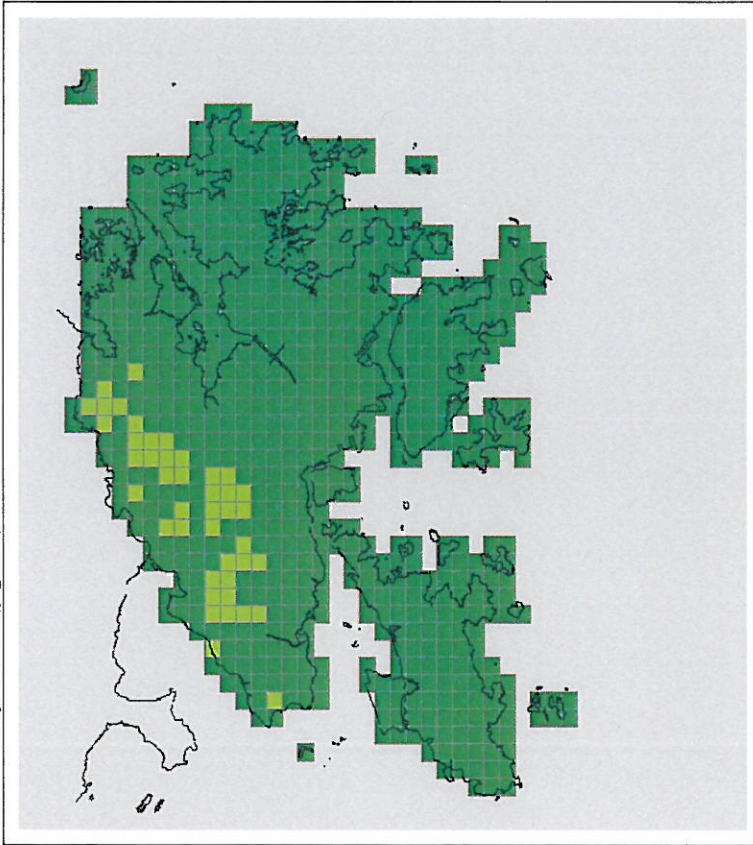
(0 - 19m above ground)



The IWMF at the TTAL Site

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

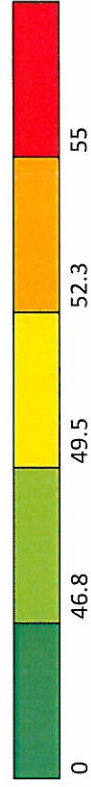
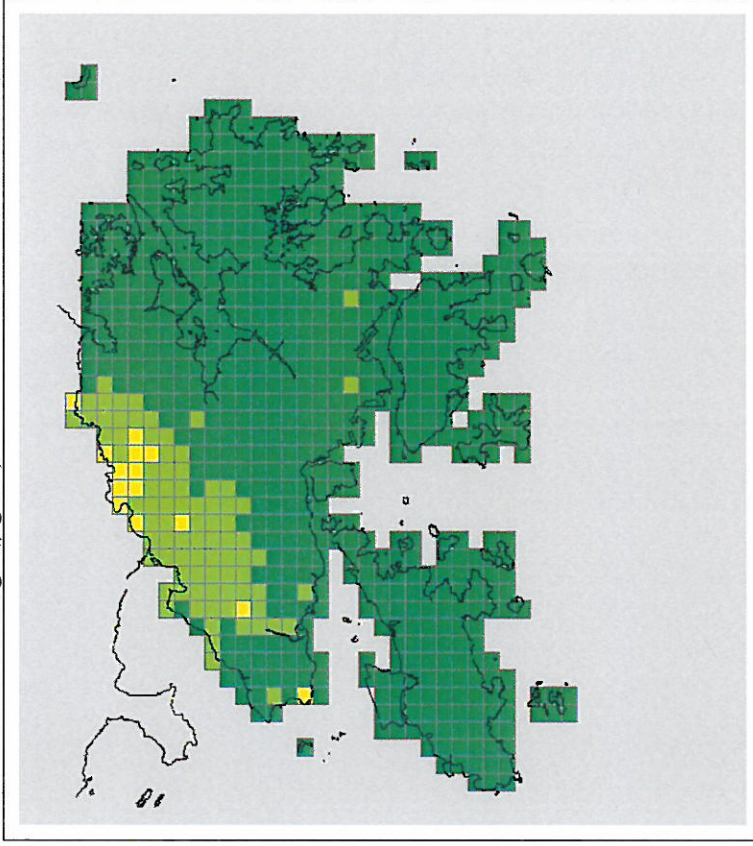
(0 - 19m above ground)



The IWMF at the TTAL Site

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

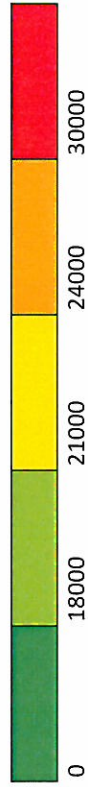
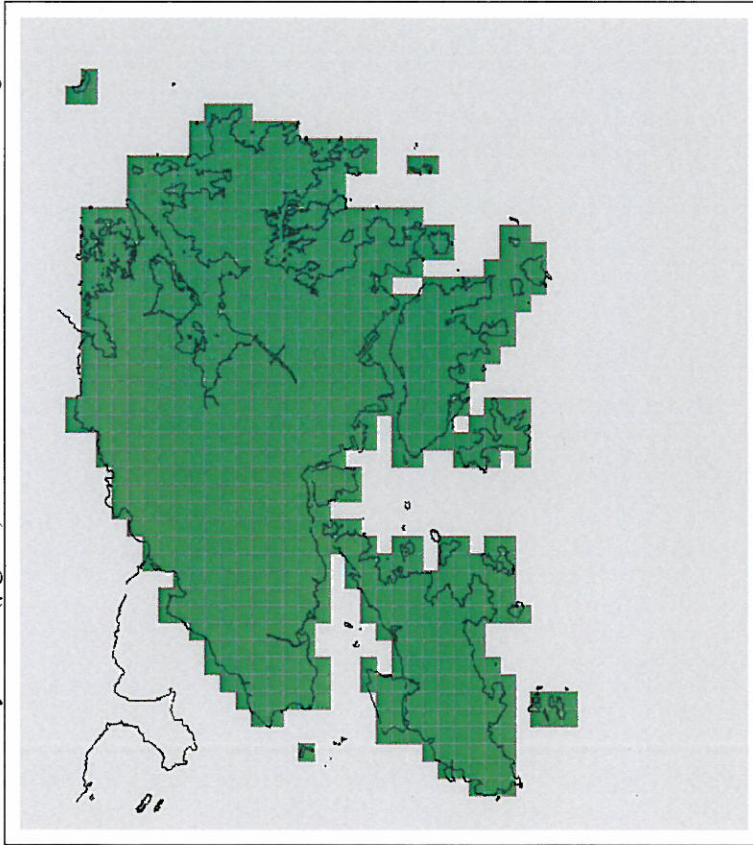
(0 - 19m above ground)



The IWMF at the TTAL Site

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

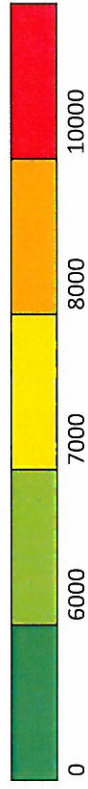
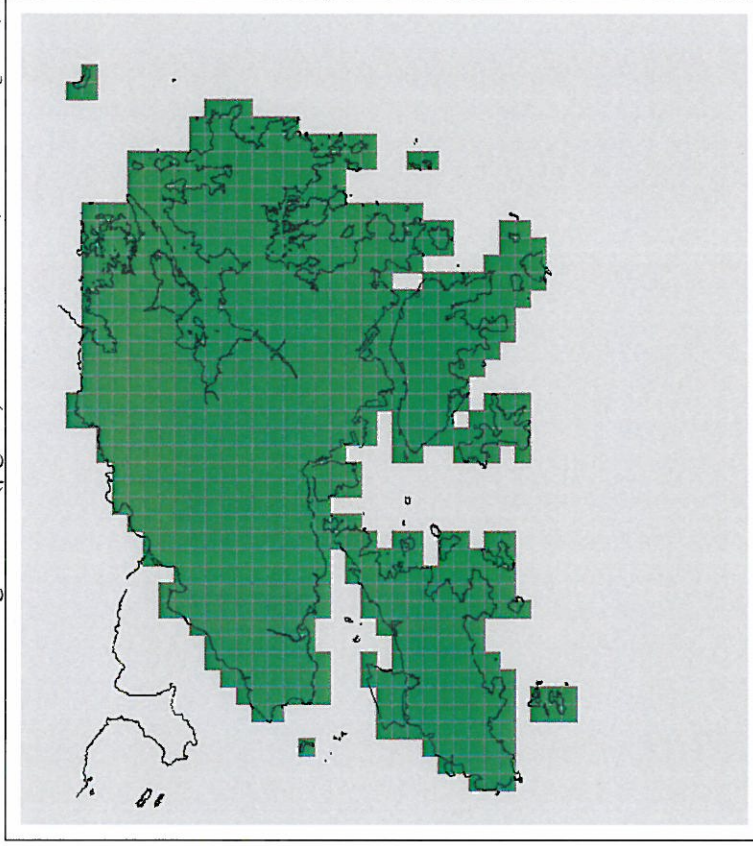
(0 - 19m above ground)



The IWMF at the TTAL Site

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

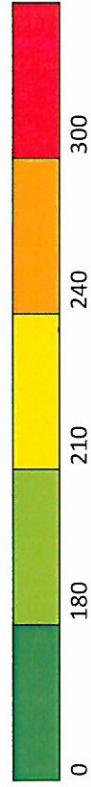
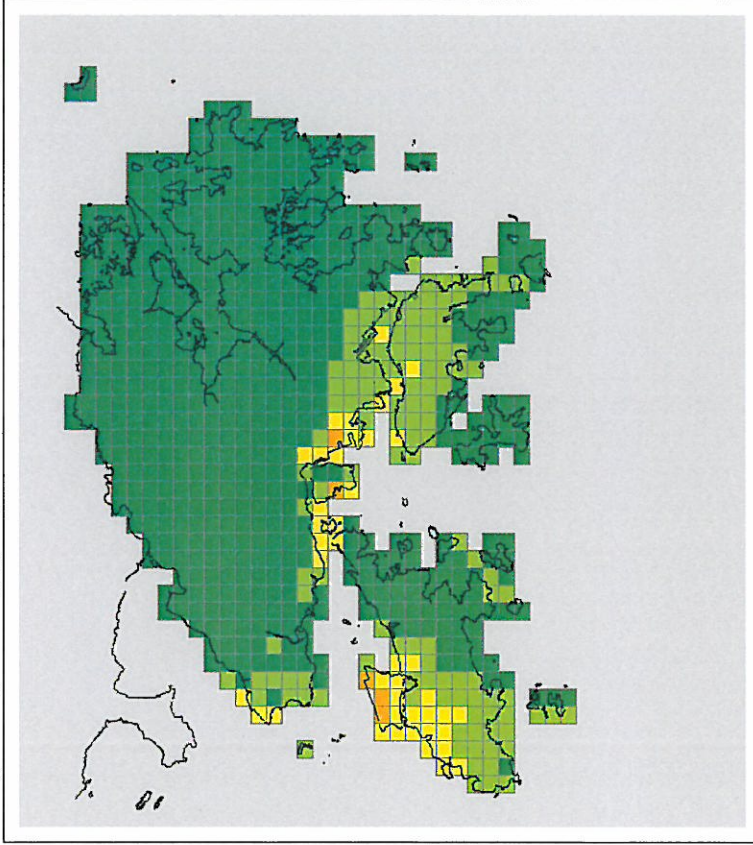
(0 - 19m above ground)



The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

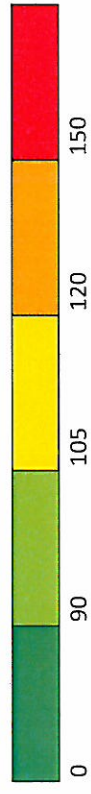
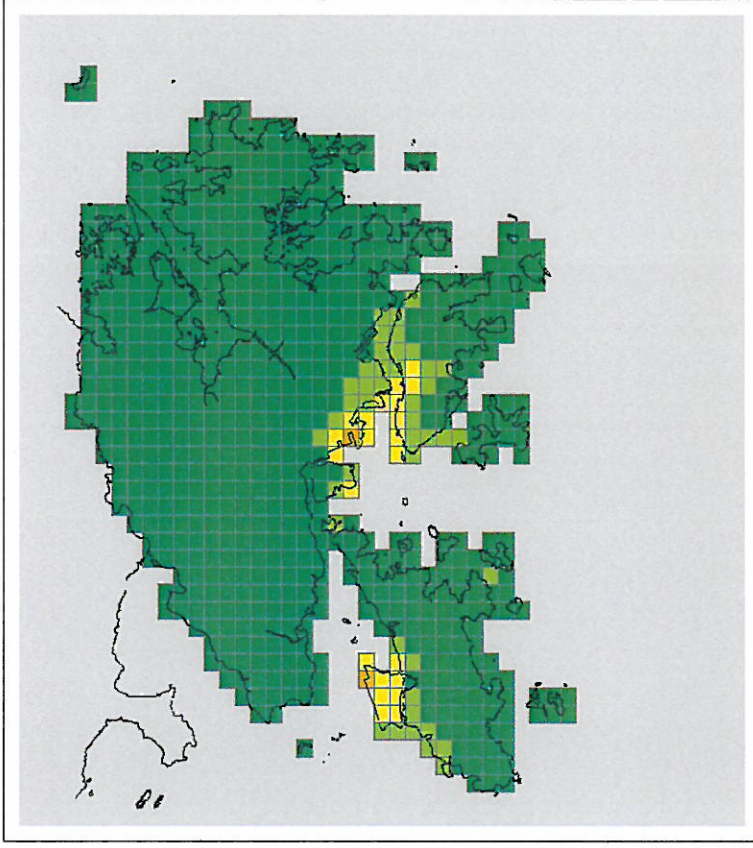
(19 - 41m above ground)



The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

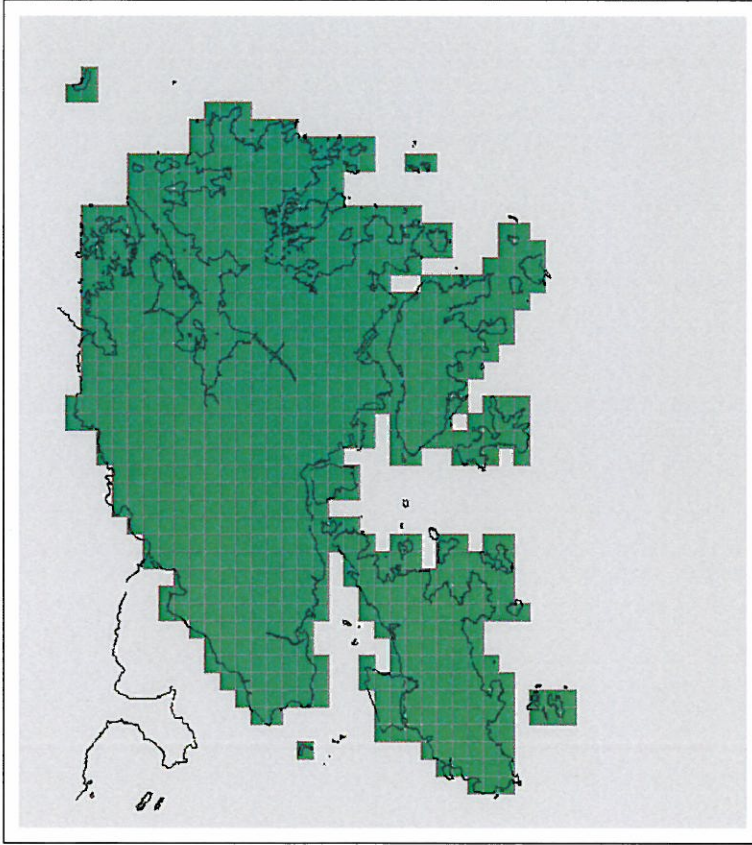
(19 - 41m above ground)



The IWMF at the TTAL Site

NO₂ Annual Average (µg/m³)

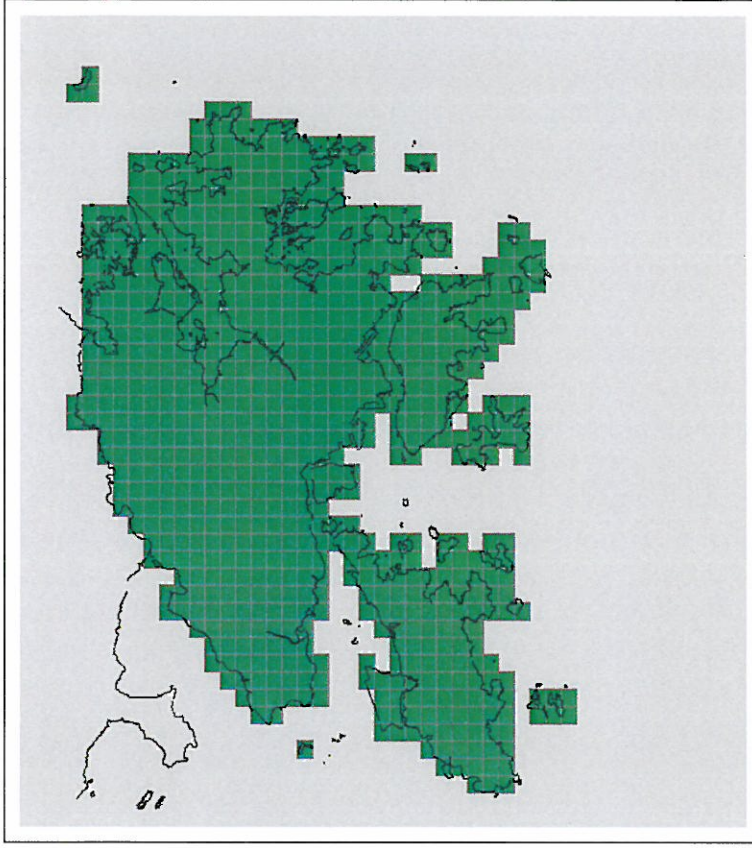
(19 - 41m above ground)



The IWMF at the TTAL Site

SO₂ Hourly Max. (µg/m³)

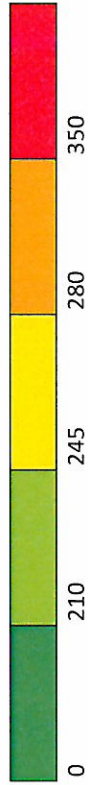
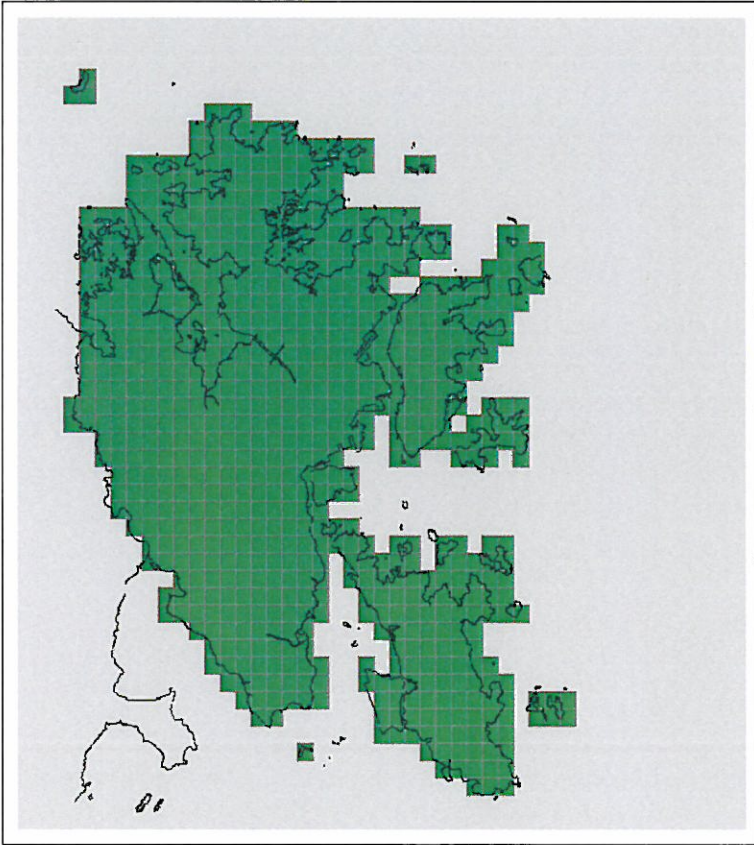
(19 - 41m above ground)



The IWMF at the TTAL Site

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

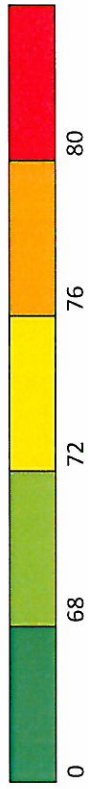
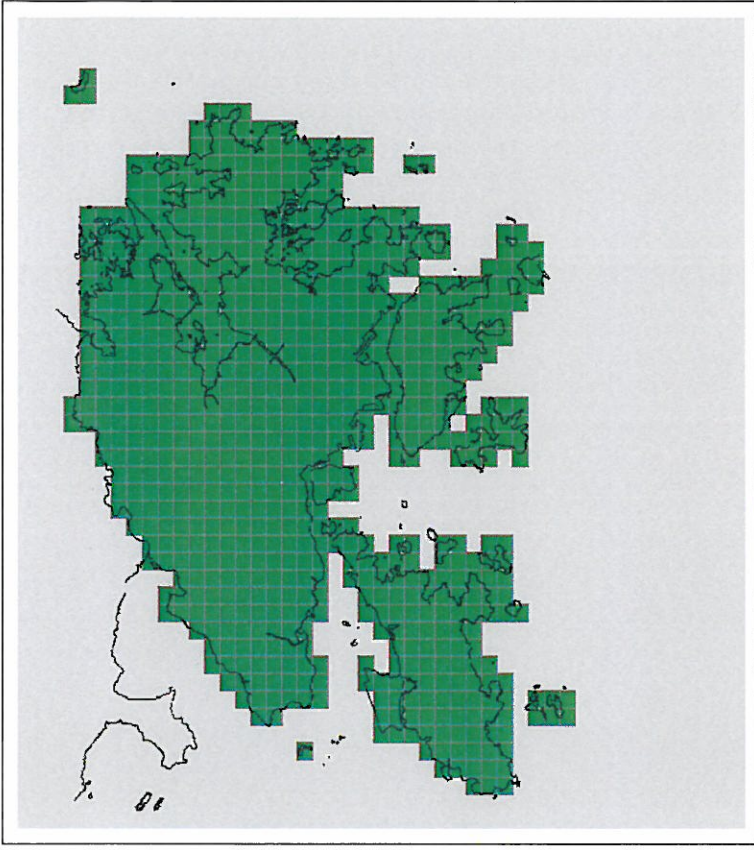
(19 - 41m above ground)



The IWMF at the TTAL Site

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

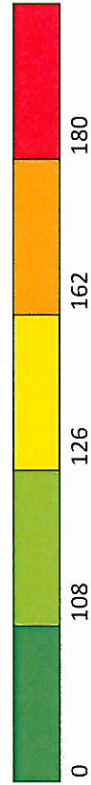
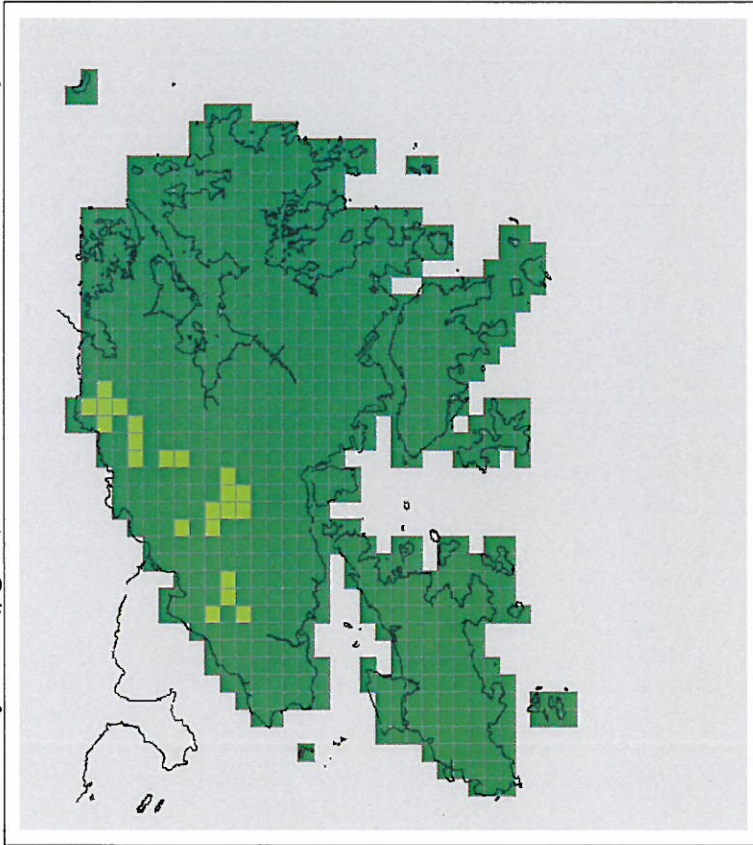
(19 - 41m above ground)



The IWMF at the TTAL Site

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

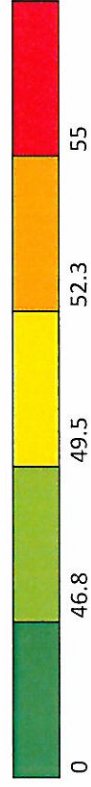
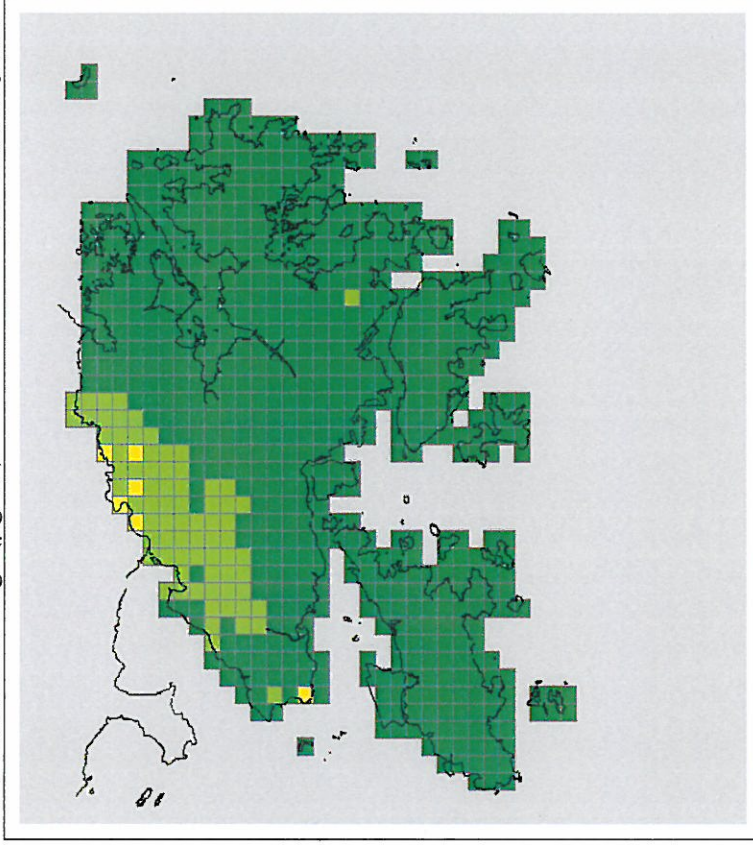
(19 - 41m above ground)



The IWMF at the TTAL Site

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

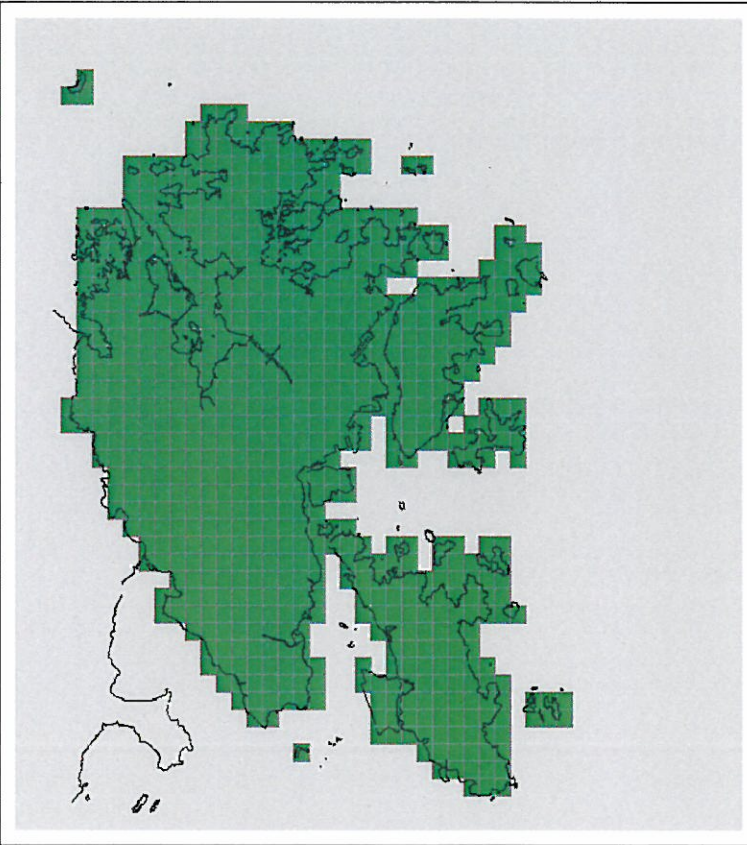
(19 - 41m above ground)



The IWMF at the TTAL Site

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

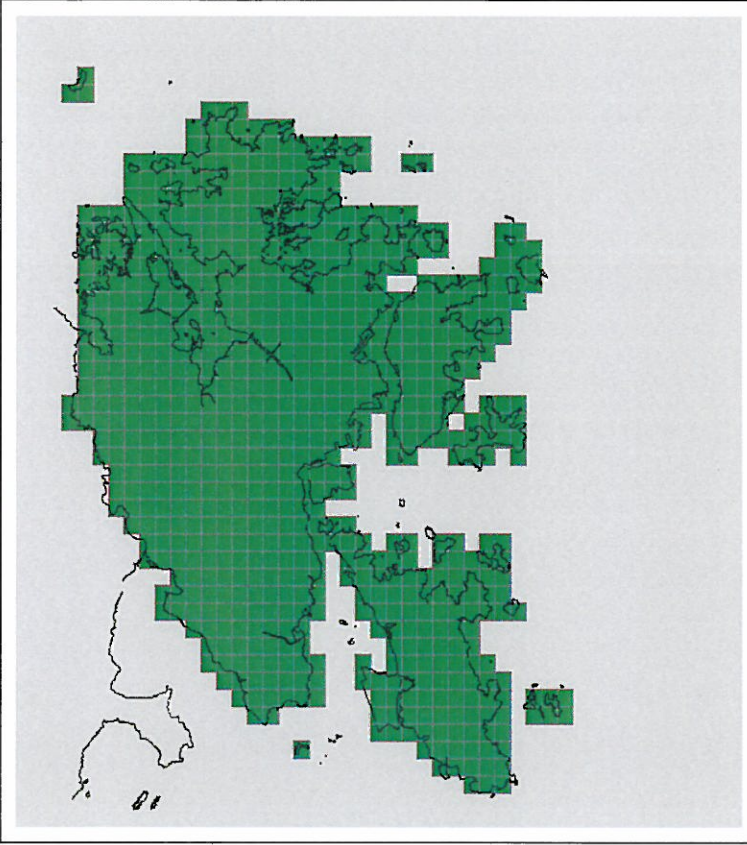
(19 - 41m above ground)



The IWMF at the TTAL Site

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

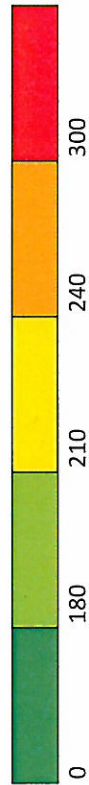
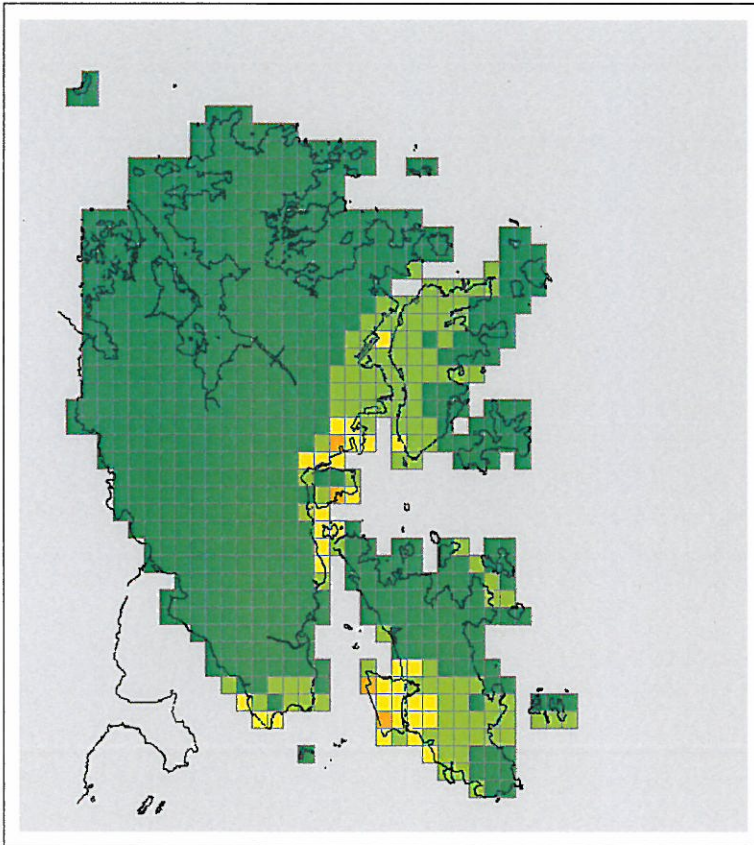
(19 - 41m above ground)



The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

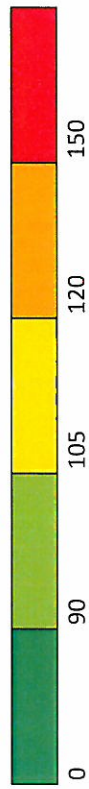
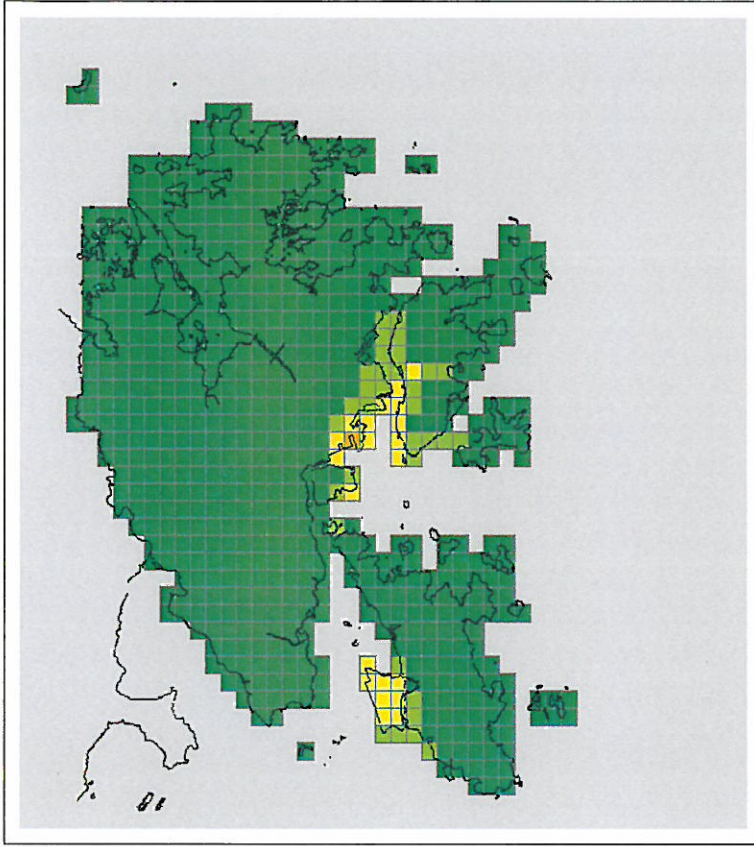
(41 - 79m above ground)



The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

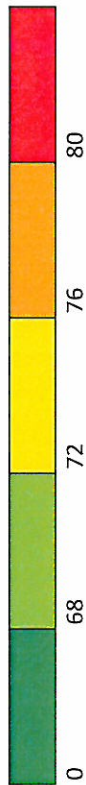
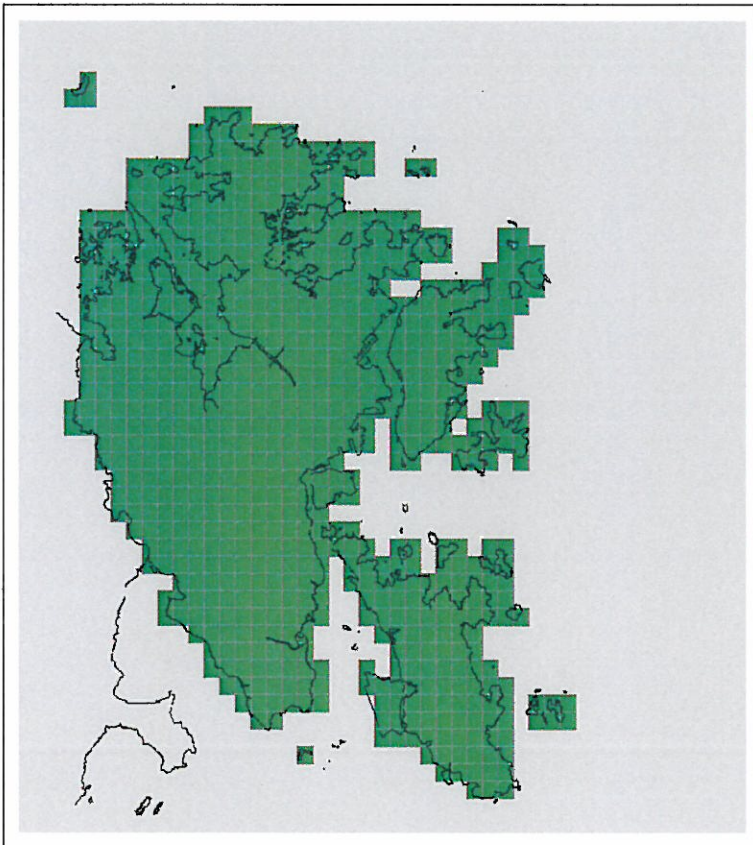
(41 - 79m above ground)



The IWMF at the TTAL Site

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

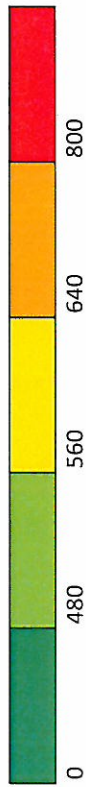
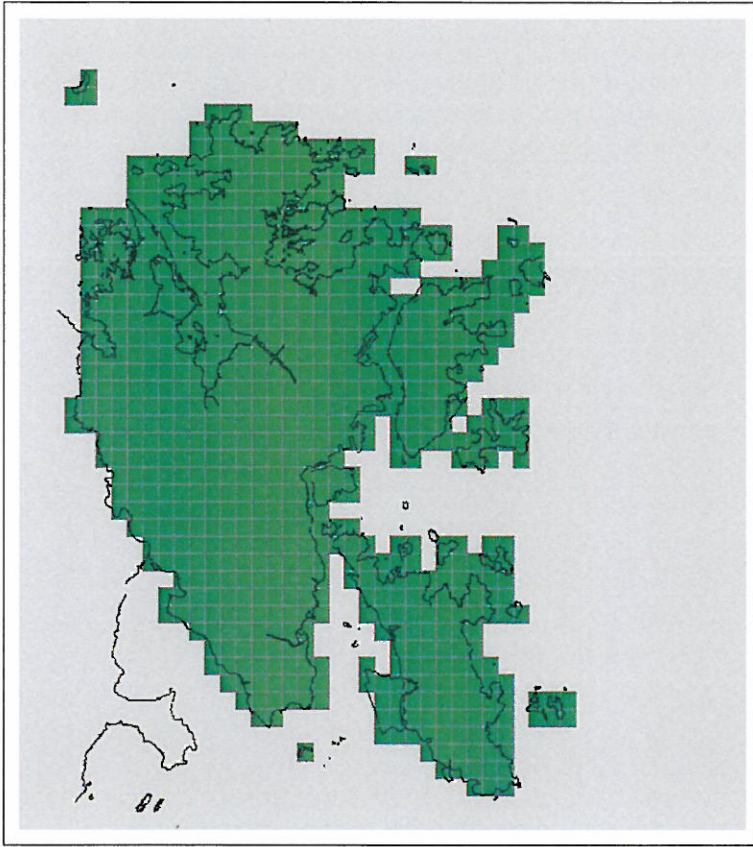
(41 - 79m above ground)



The IWMF at the TTAL Site

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

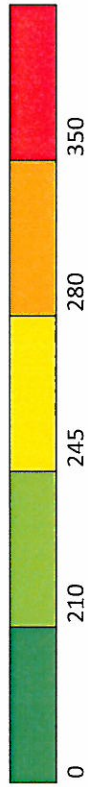
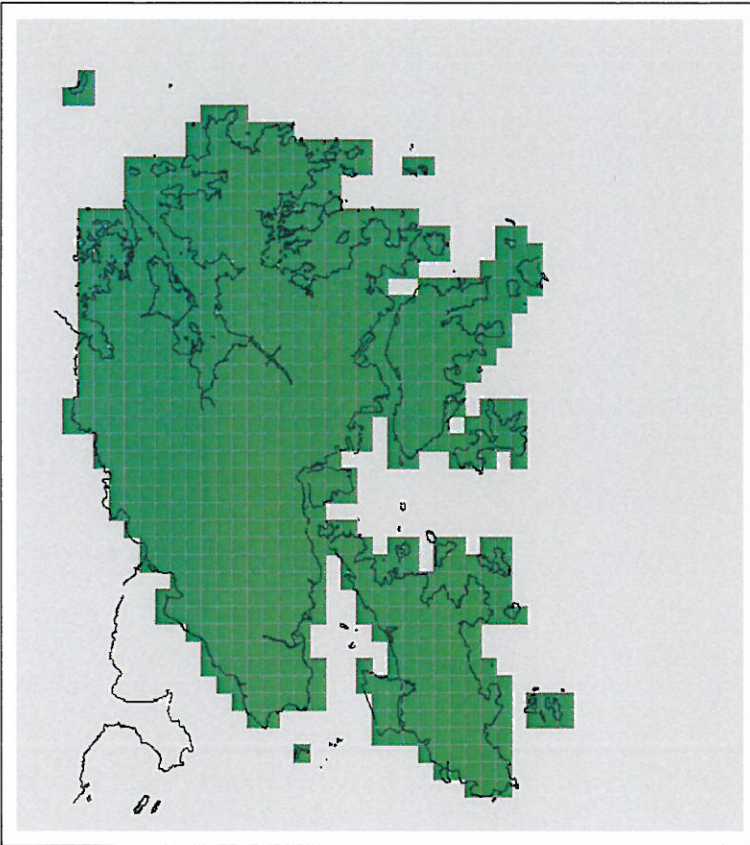
(41 - 79m above ground)



The IWMF at the TTAL Site

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

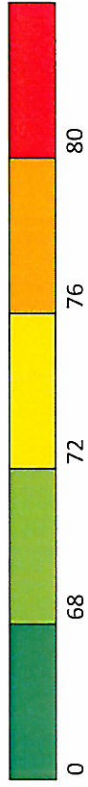
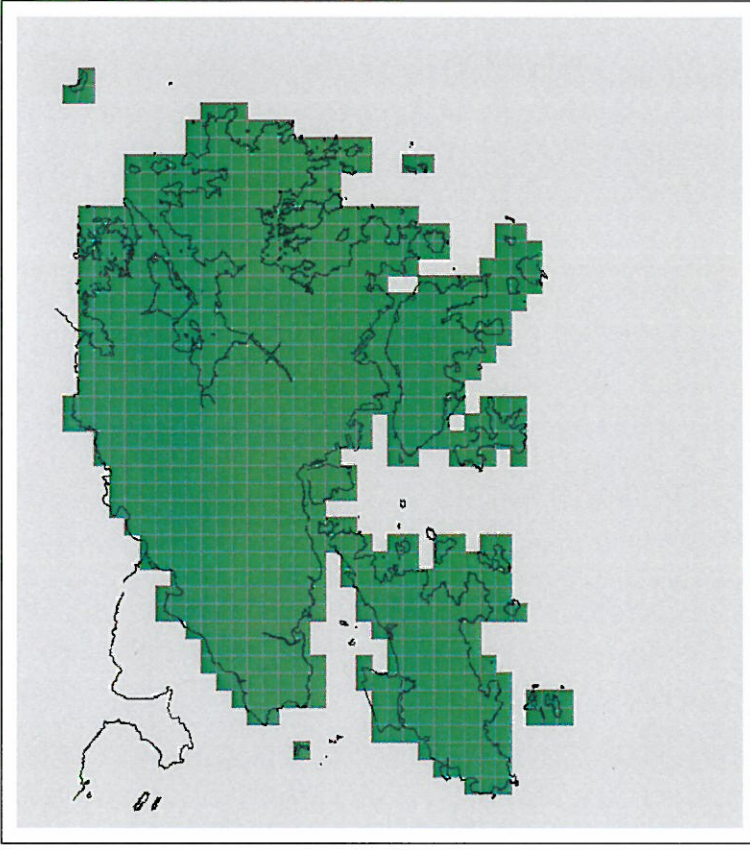
(41 - 79m above ground)



The IWMF at the TTAL Site

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

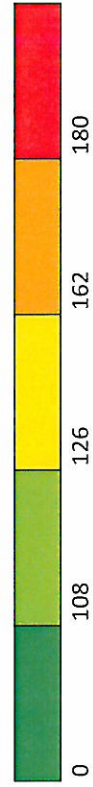
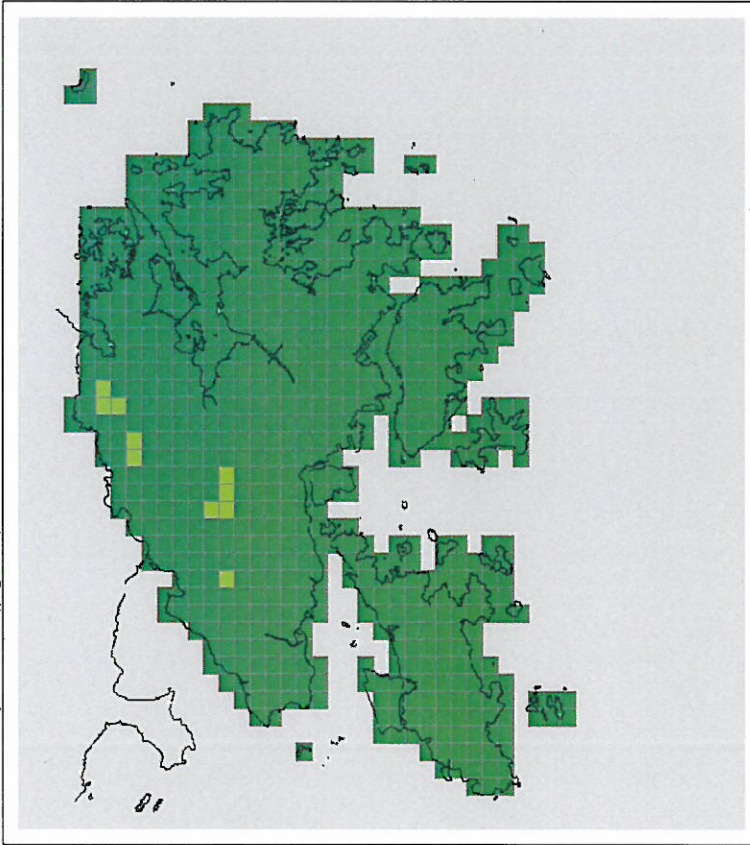
(41 - 79m above ground)



The IWMF at the TTAL Site

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

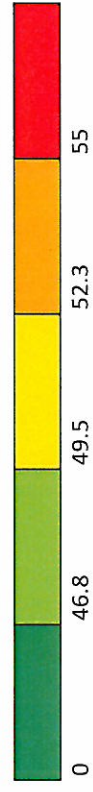
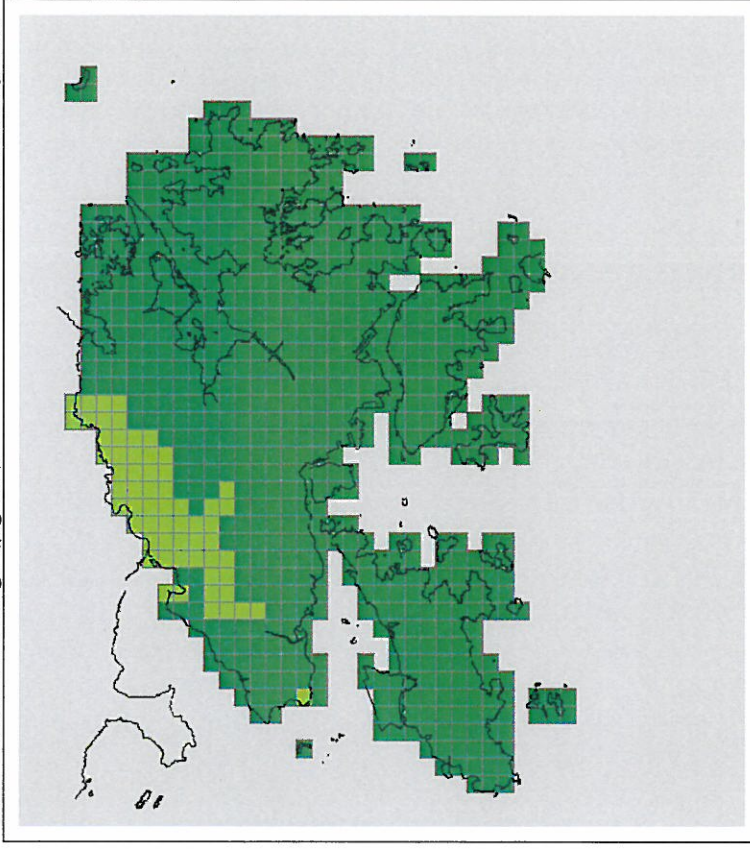
(41 - 79m above ground)



The IWMF at the TTAL Site

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

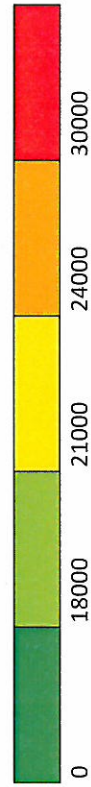
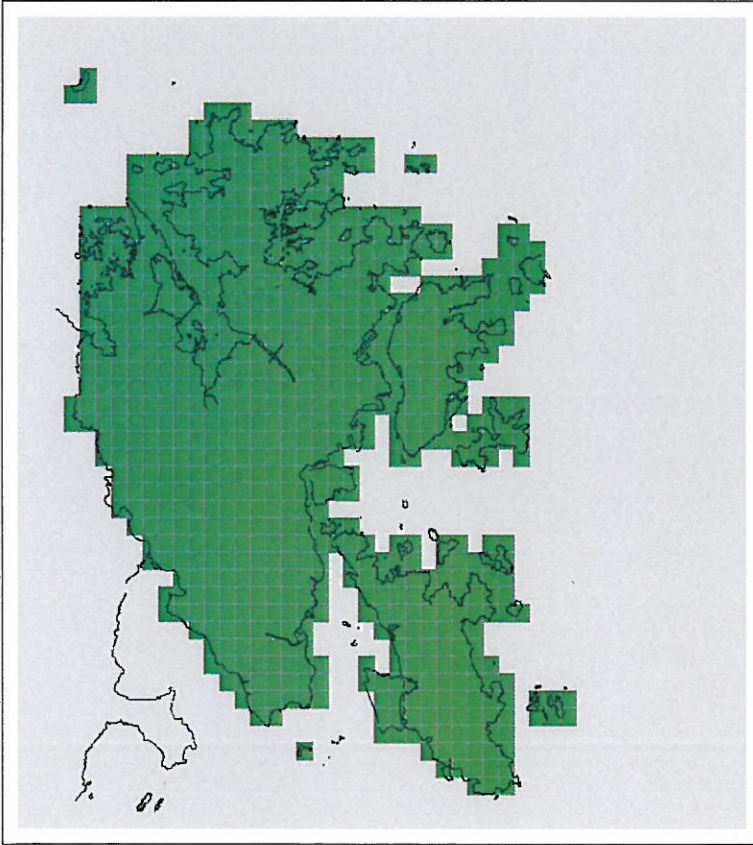
(41 - 79m above ground)



The IWMF at the TTAL Site

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

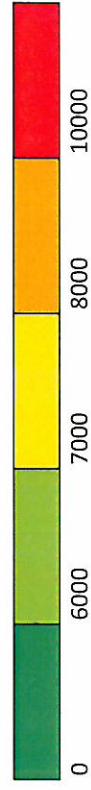
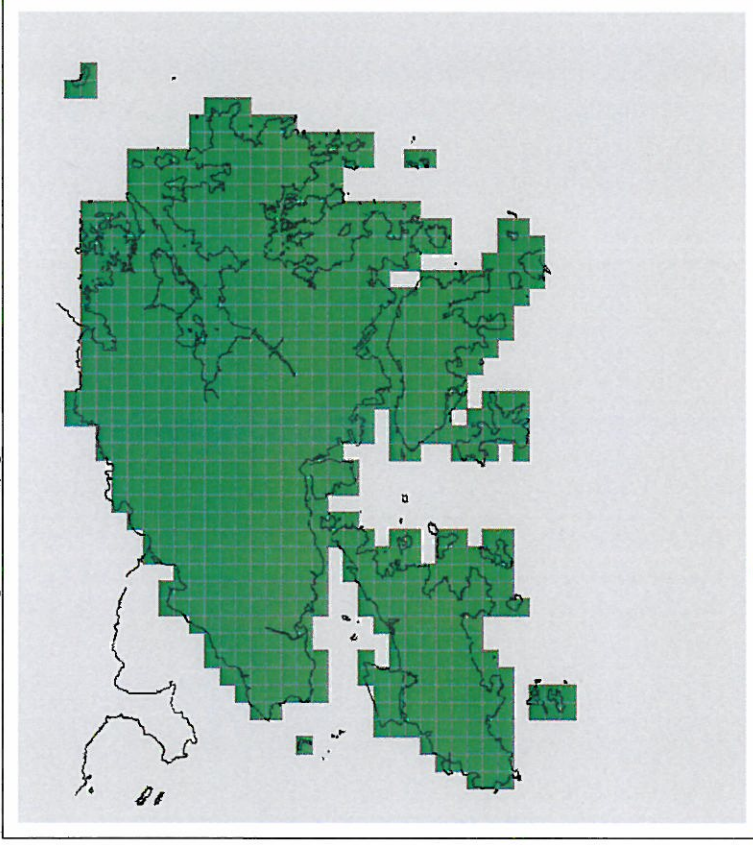
(41 - 79m above ground)



The IWMF at the TTAL Site

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

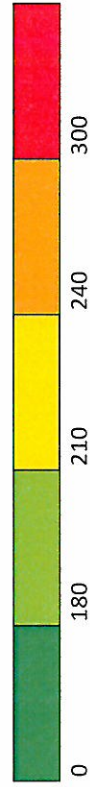
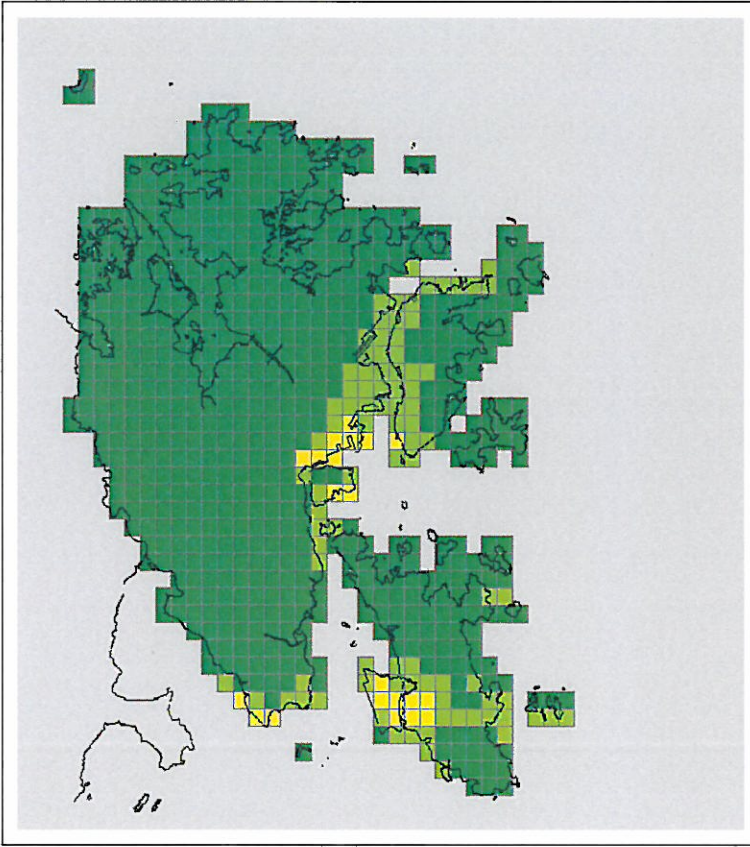
(41 - 79m above ground)



The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

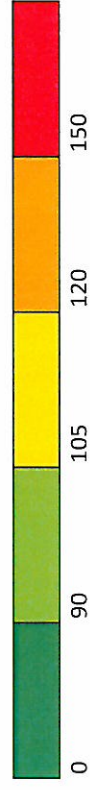
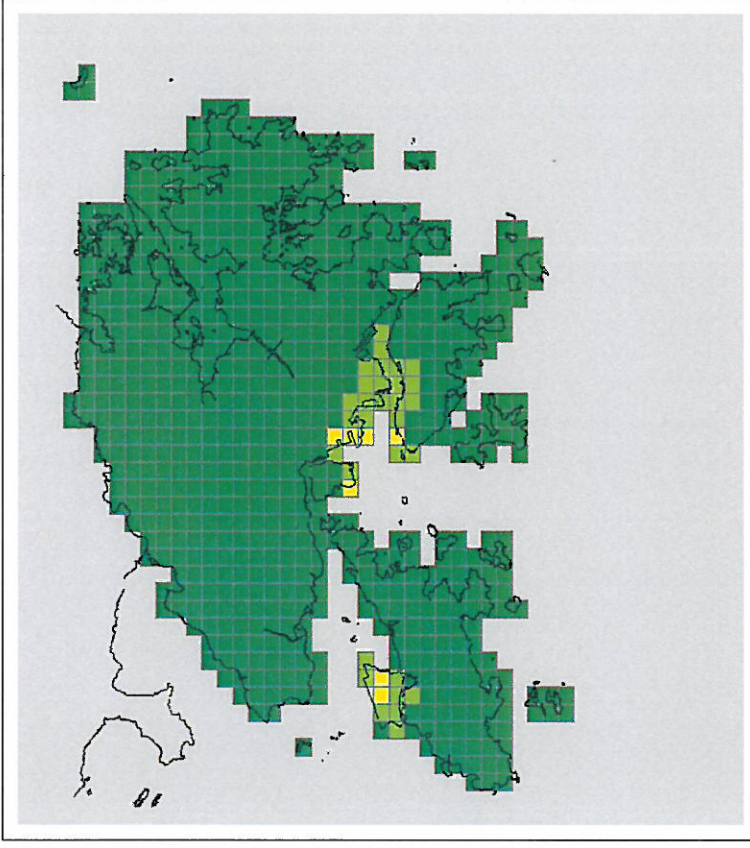
(79 - 120m above ground)



The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

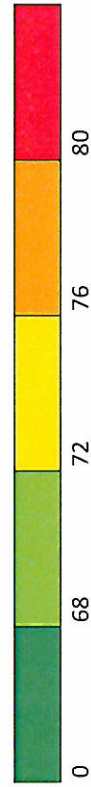
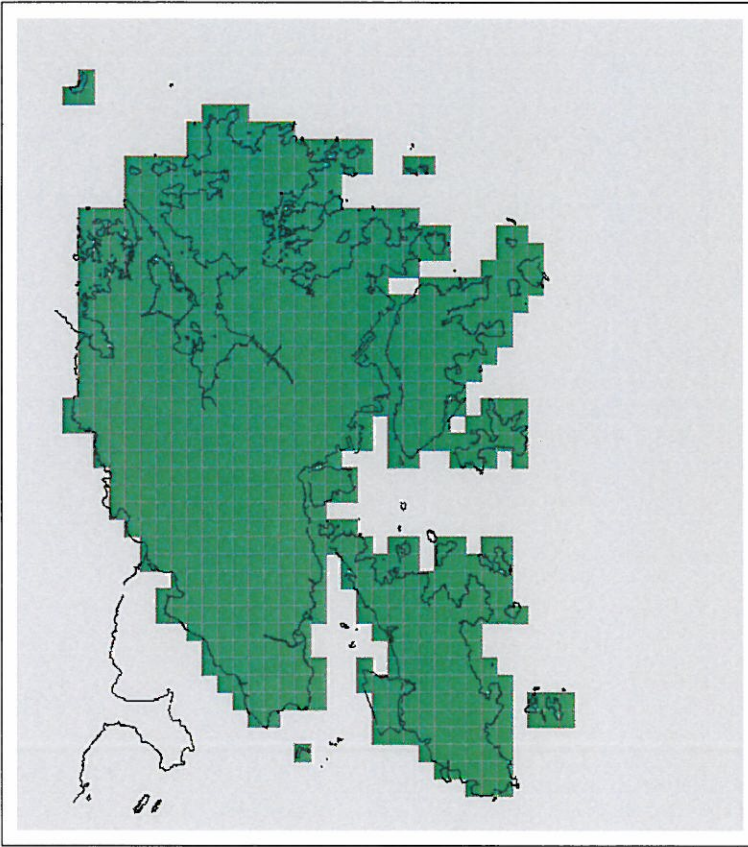
(79 - 120m above ground)



The IWMF at the TTAL Site

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

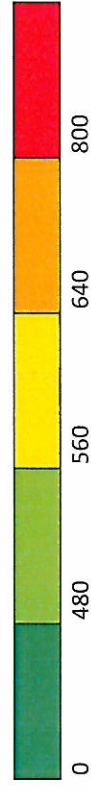
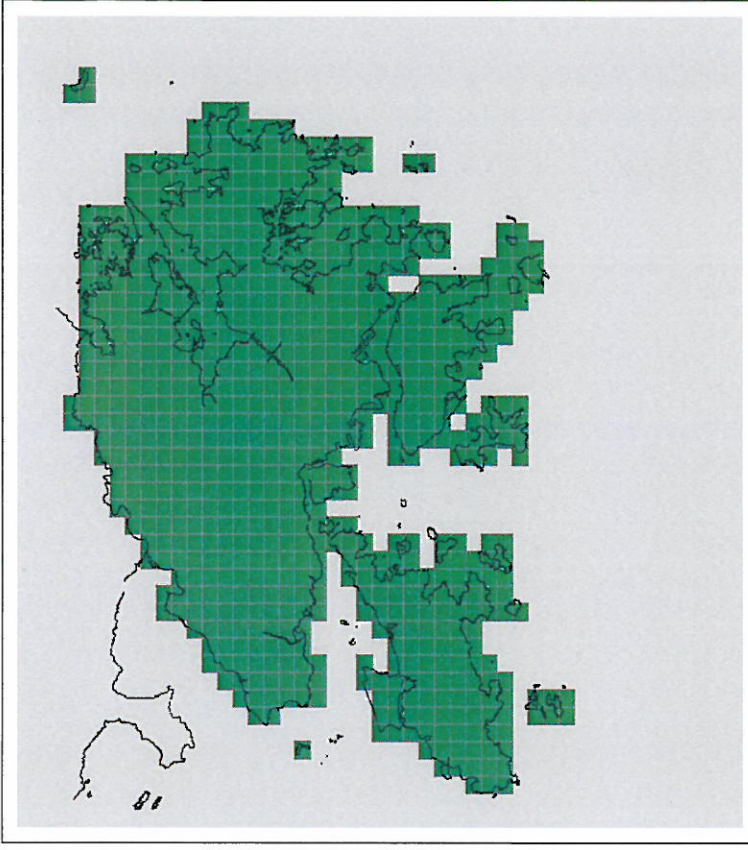
(79 - 120m above ground)



The IWMF at the TTAL Site

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

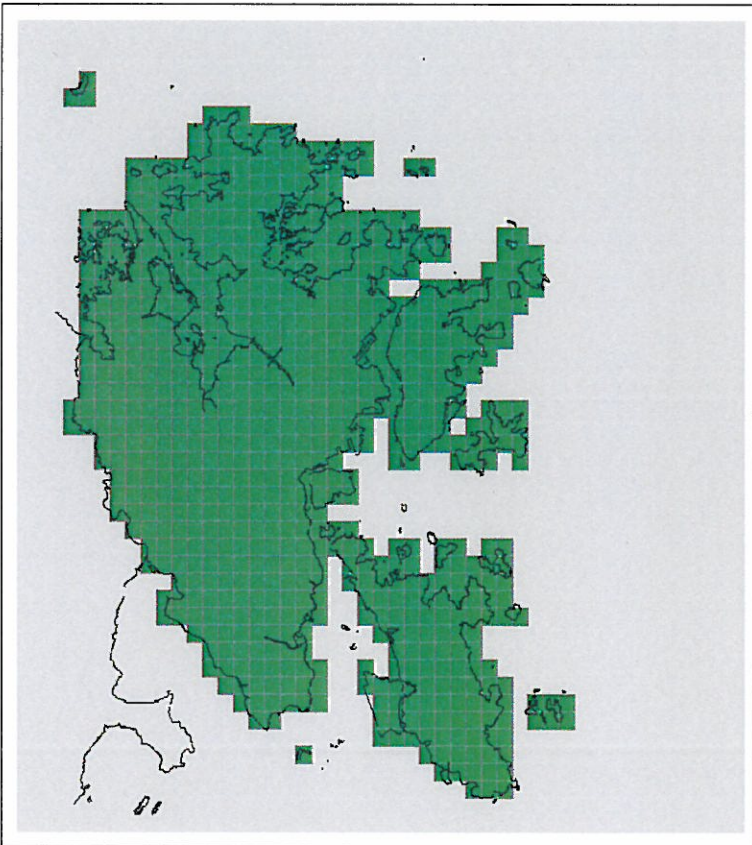
(79 - 120m above ground)



The IWMF at the TTAL Site

SO₂ Daily Max. (µg/m³)

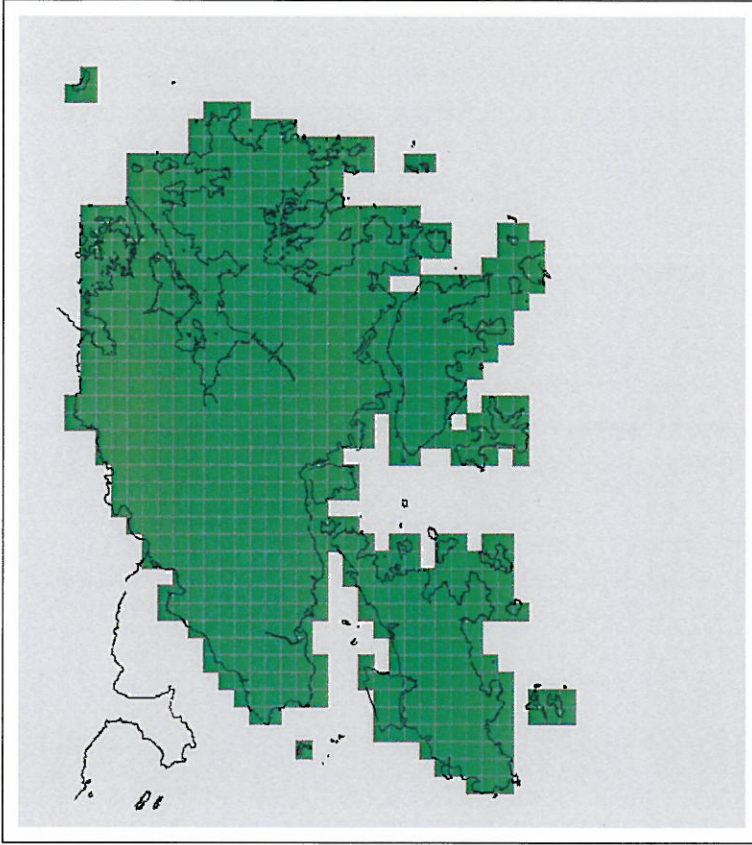
(79 - 120m above ground)



The IWMF at the TTAL Site

SO₂ Annual Average (µg/m³)

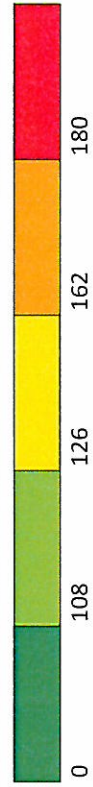
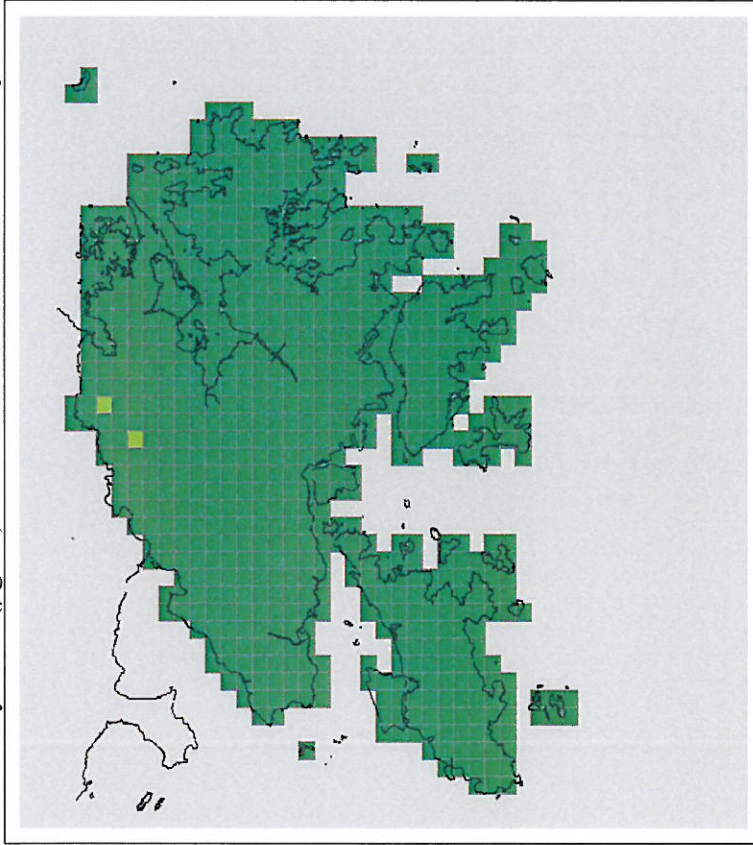
(79 - 120m above ground)



The IWMF at the TTAL Site

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

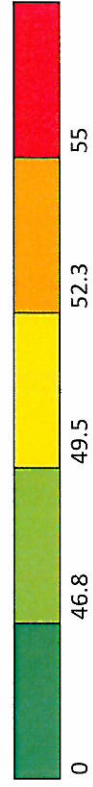
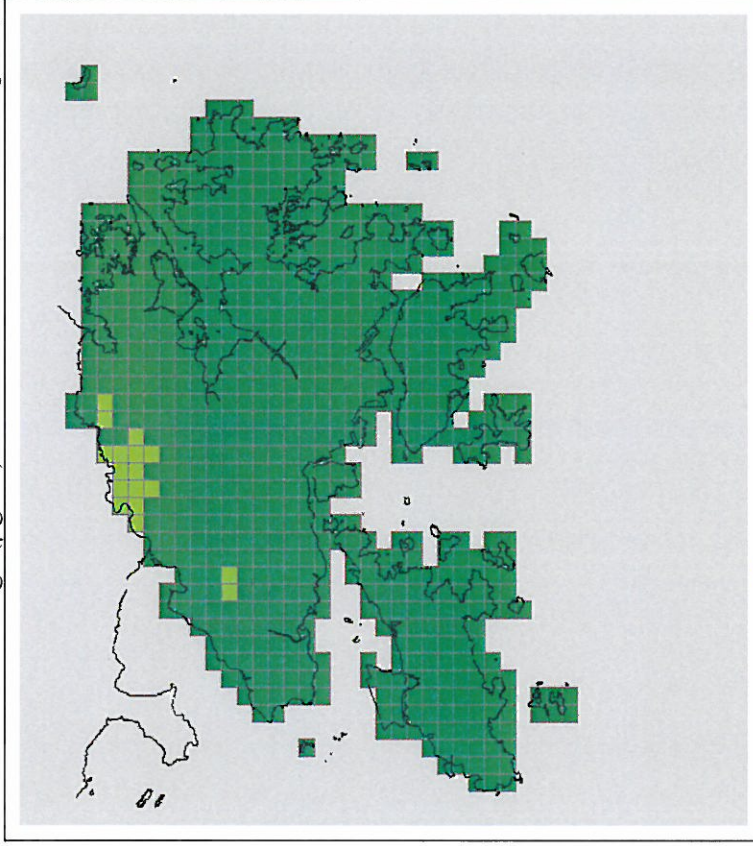
(79 - 120m above ground)



The IWMF at the TTAL Site

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

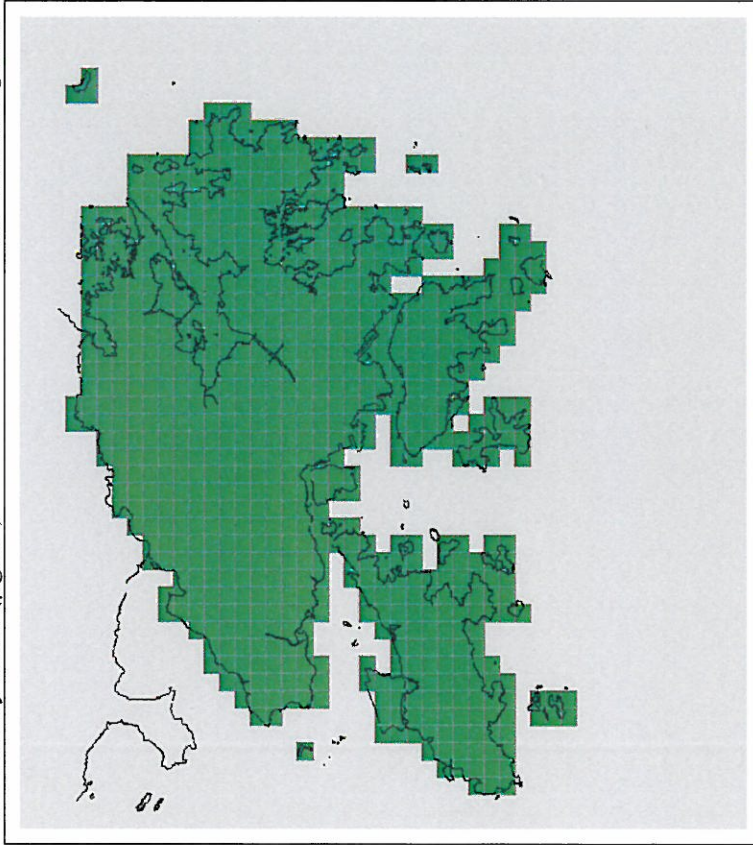
(79 - 120m above ground)



The IWMF at the TTAL Site

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

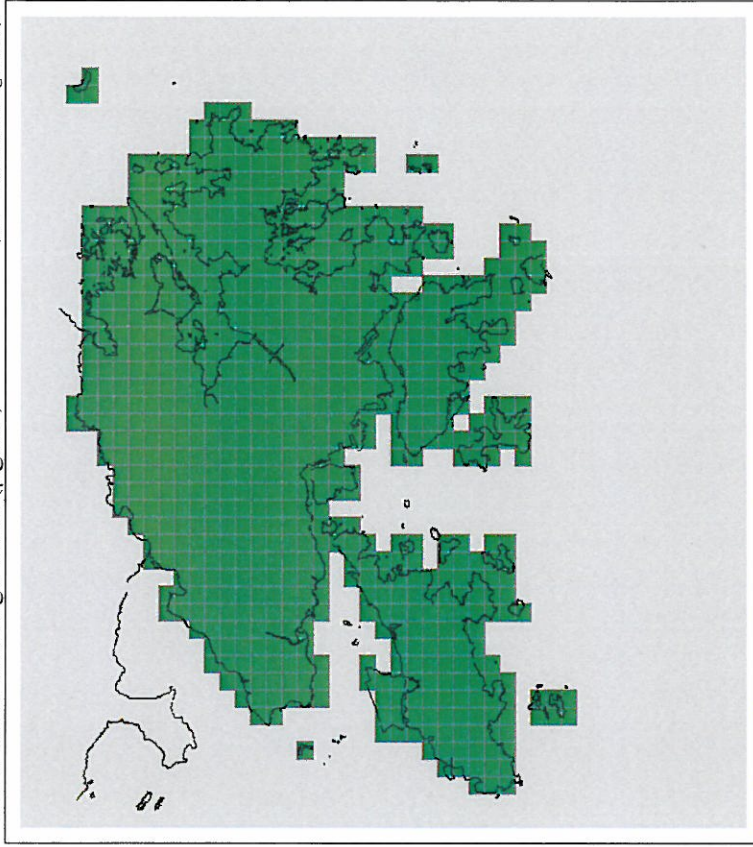
(79 - 120m above ground)



The IWMF at the TTAL Site

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

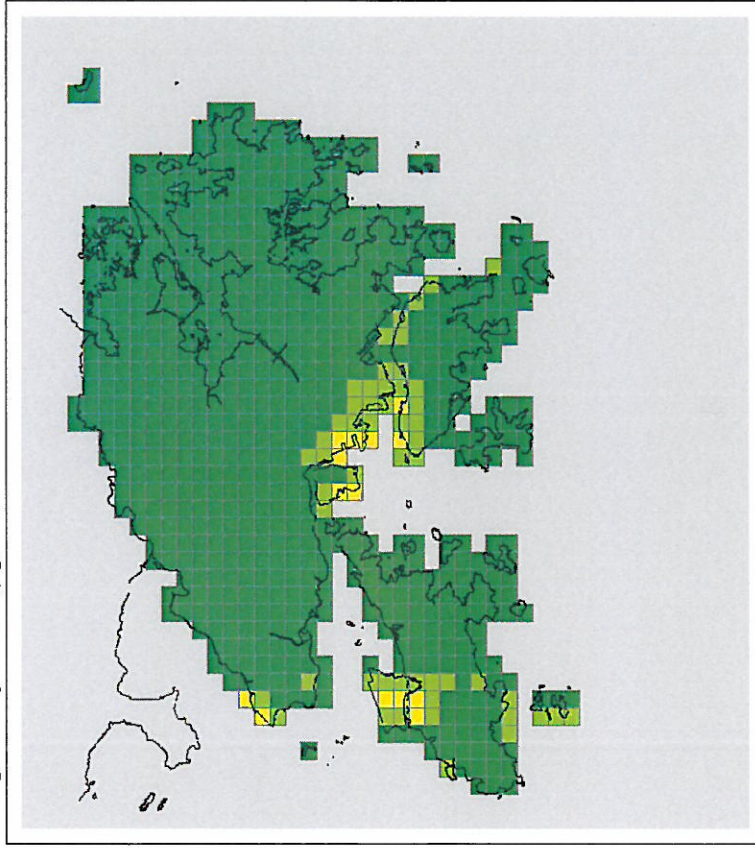
(79 - 120m above ground)



The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

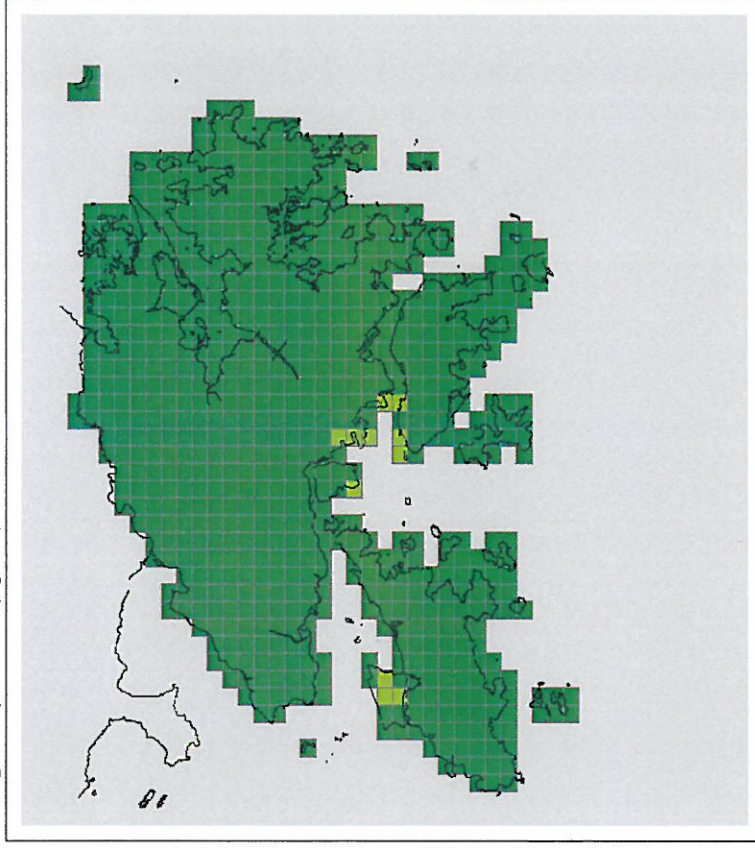
(120 - 175m above ground)



The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

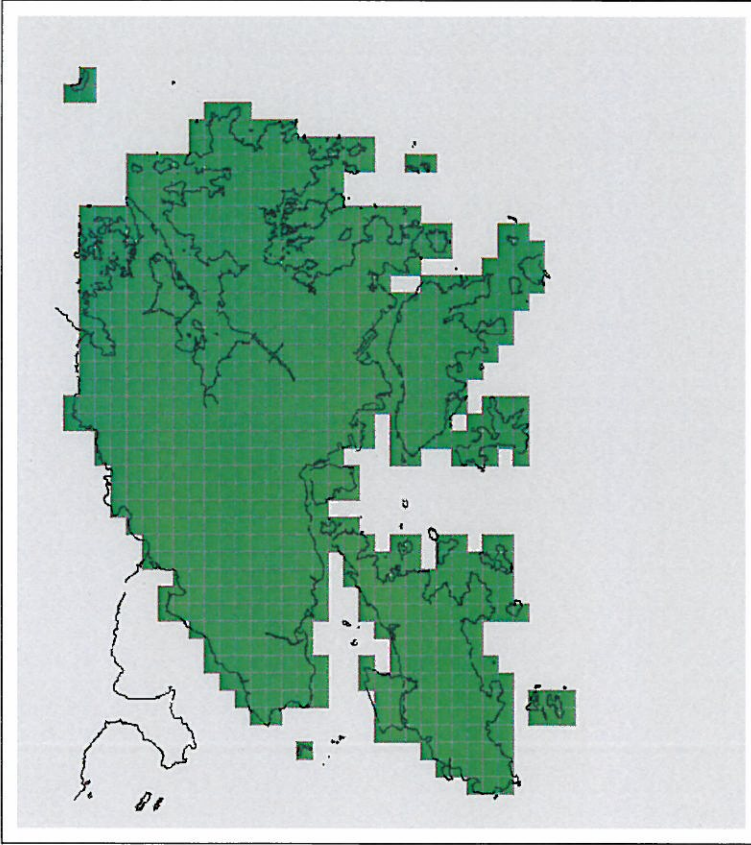
(120 - 175m above ground)



The IWMF at the TTAL Site

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

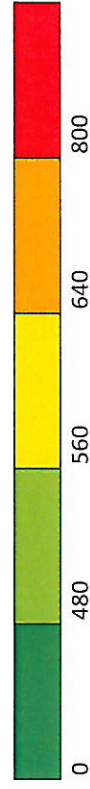
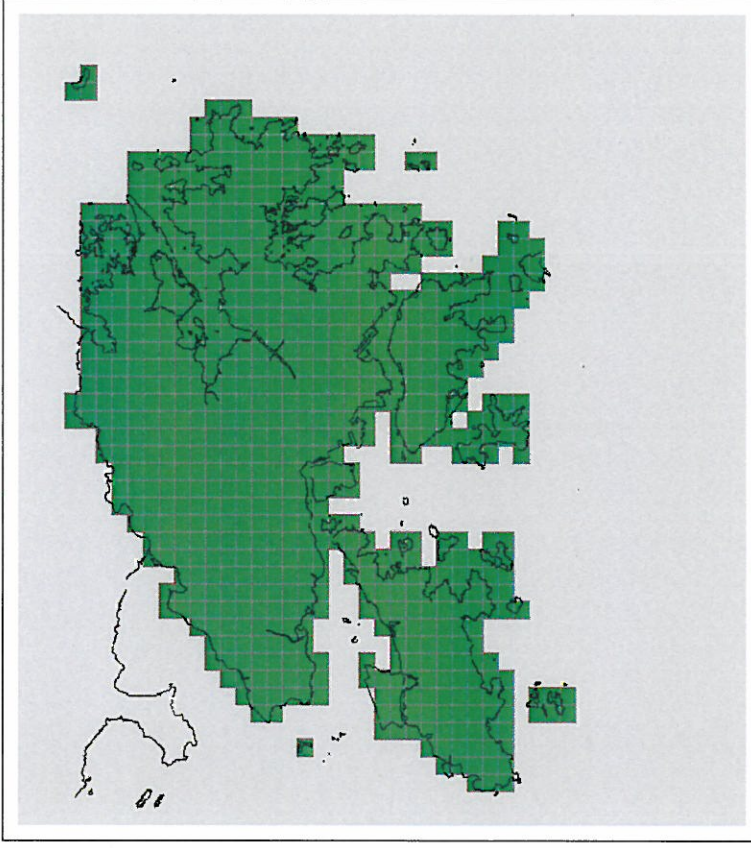
(120 - 175m above ground)



The IWMF at the TTAL Site

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

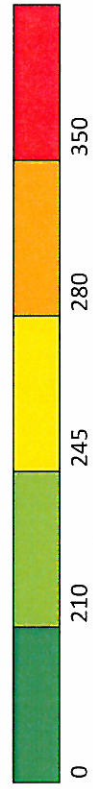
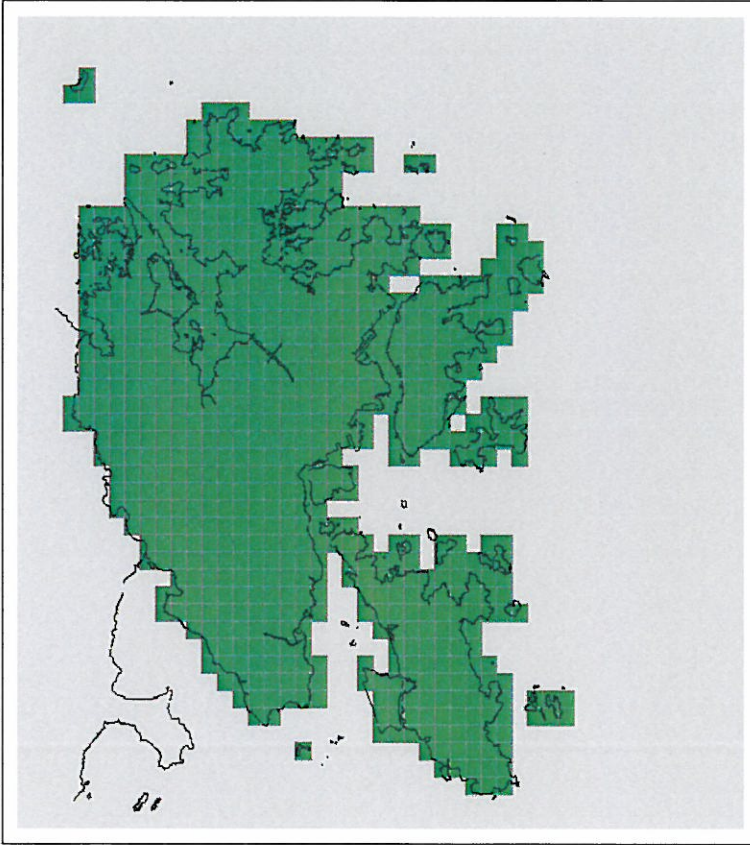
(120 - 175m above ground)



The IWMF at the TTAL Site

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

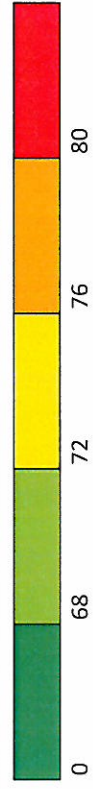
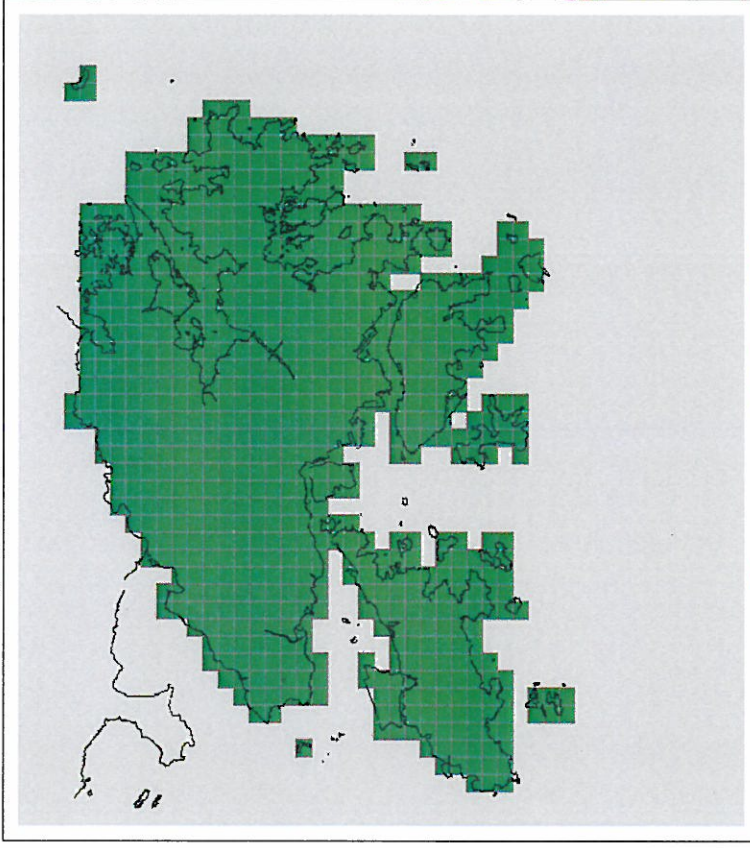
(120 - 175m above ground)



The IWMF at the TTAL Site

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

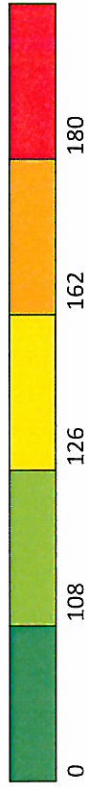
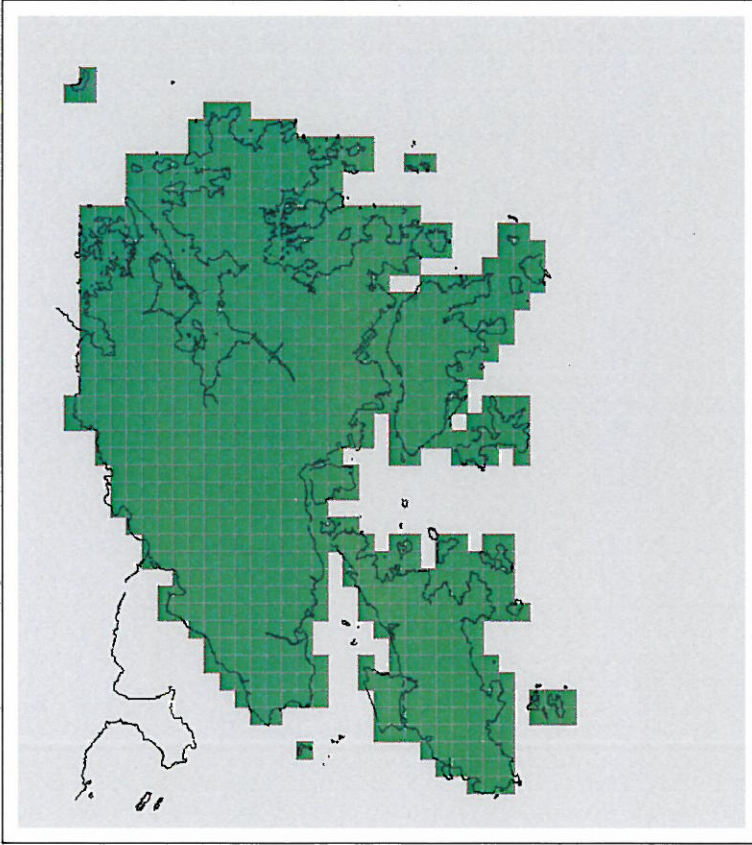
(120 - 175m above ground)



The IWMF at the TTAL Site

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

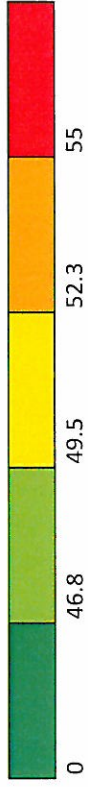
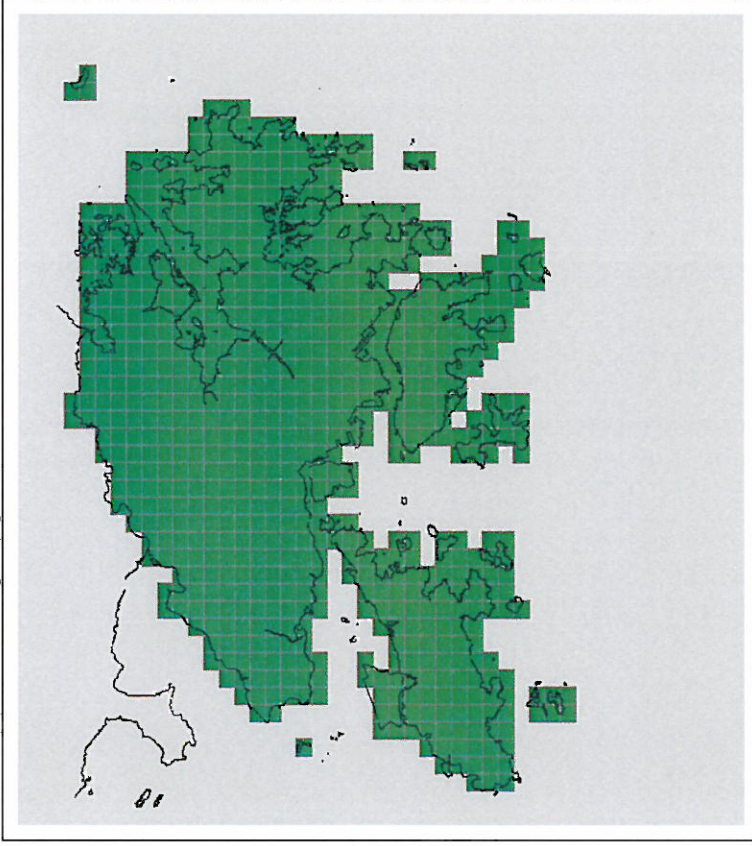
(120 - 175m above ground)



The IWMF at the TTAL Site

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

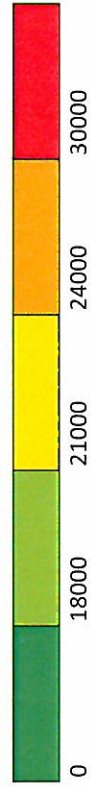
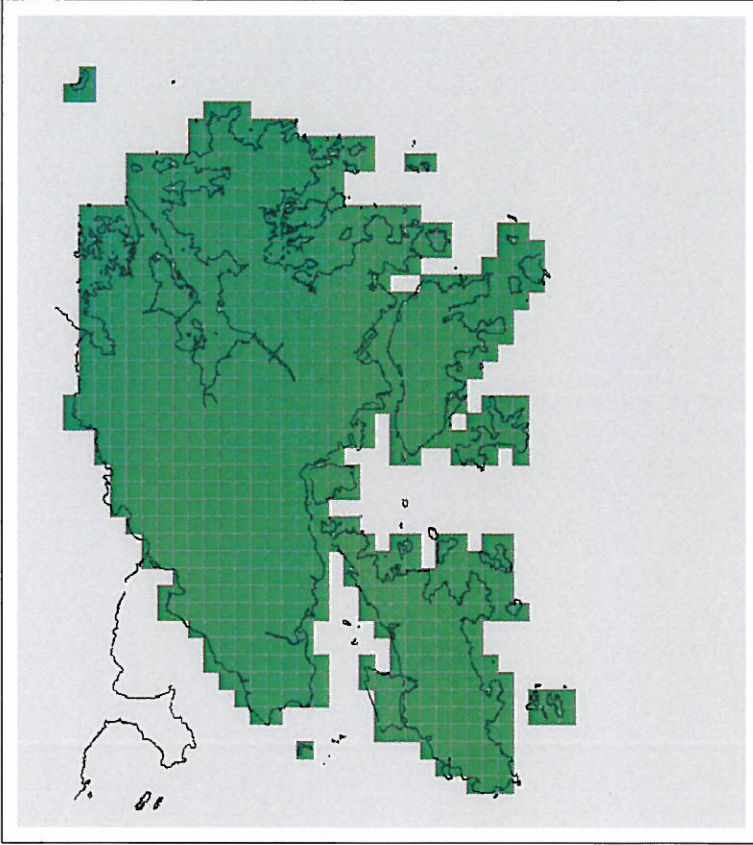
(120 - 175m above ground)



The IWMF at the TTAL Site

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

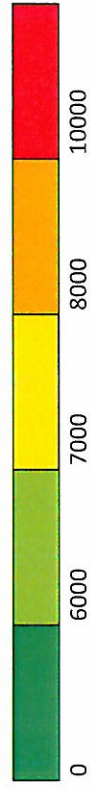
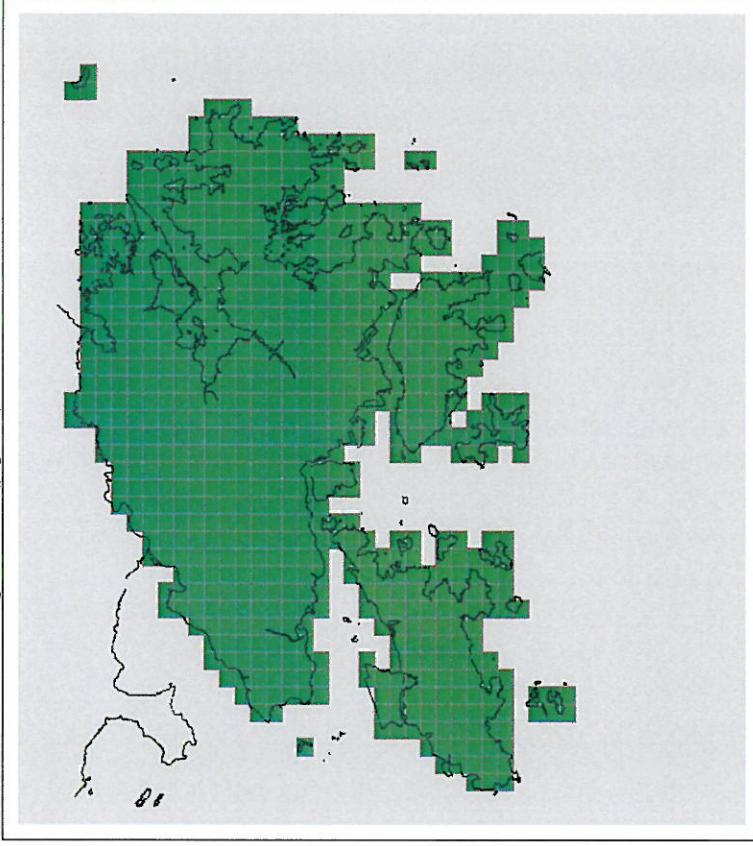
(120 - 175m above ground)



The IWMF at the TTAL Site

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)



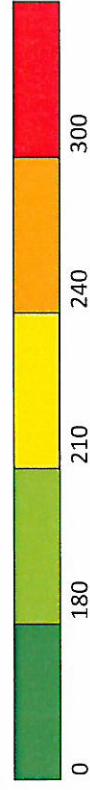
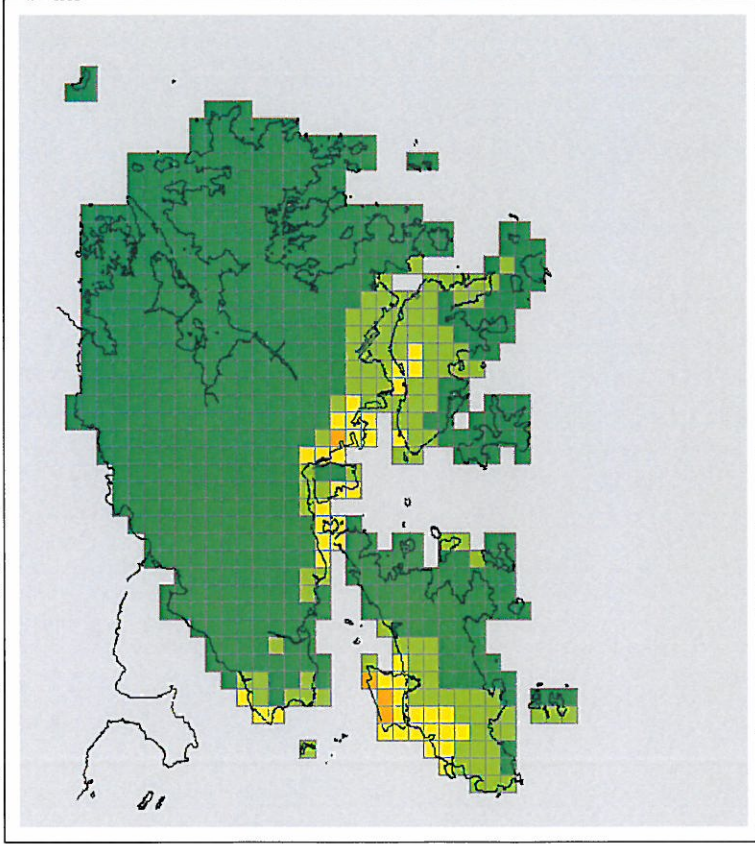
Appendix 3.11c

***Plots of the Predicted Concentration from PATH
model – The IWMF at the Artificial Island near SKC***

The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

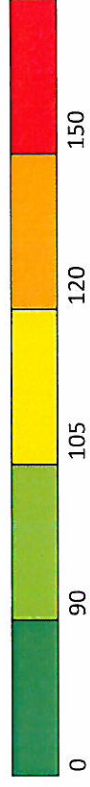
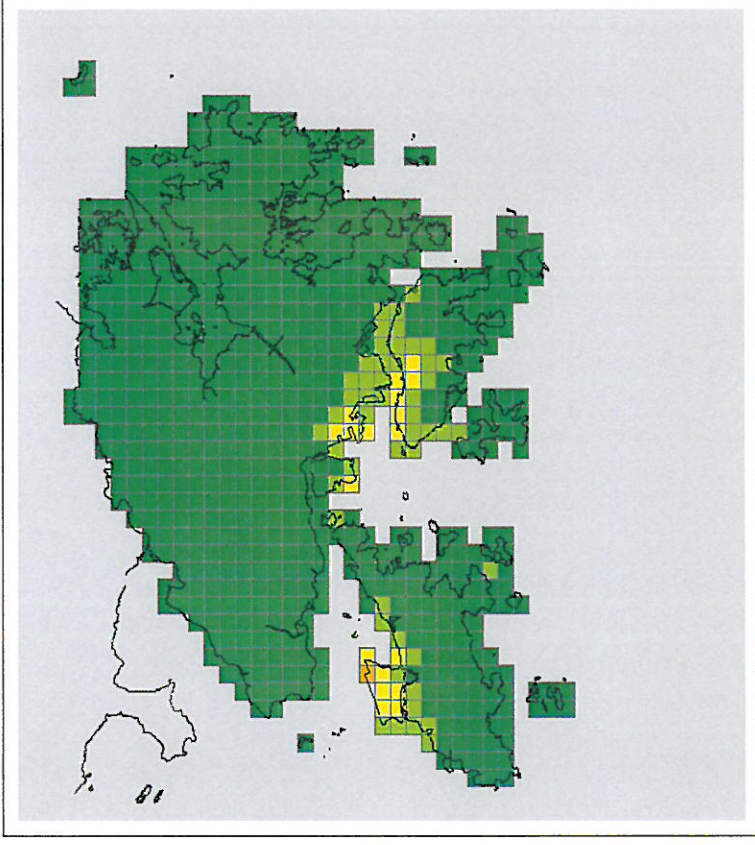
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

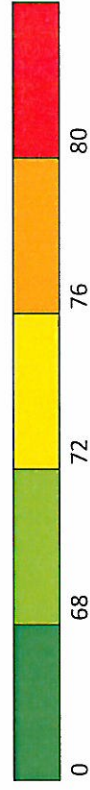
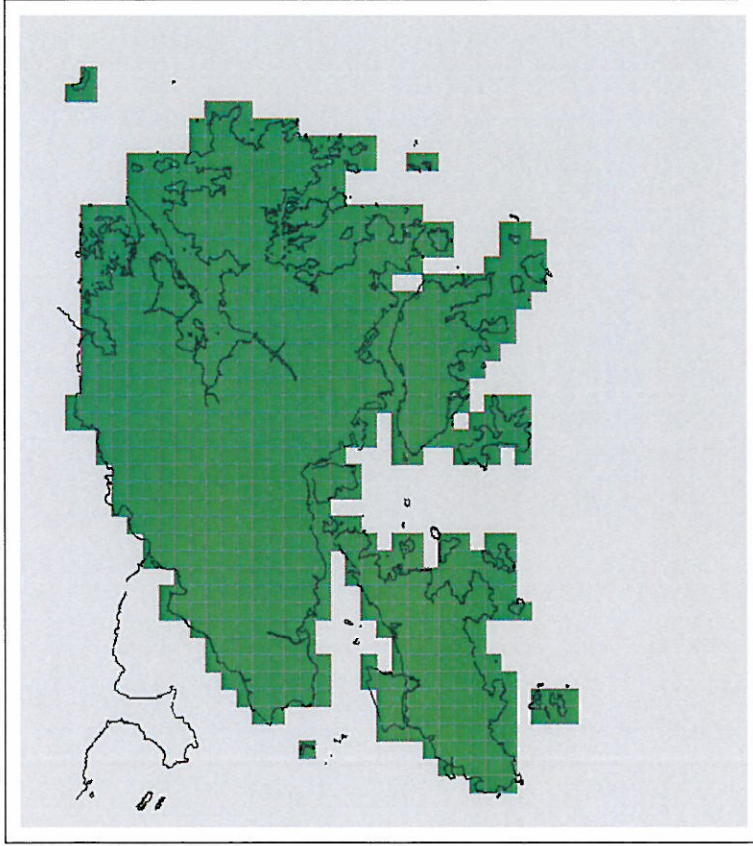
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

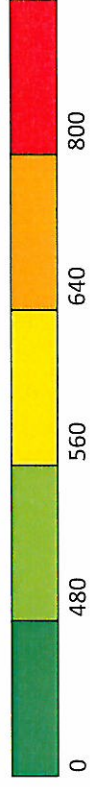
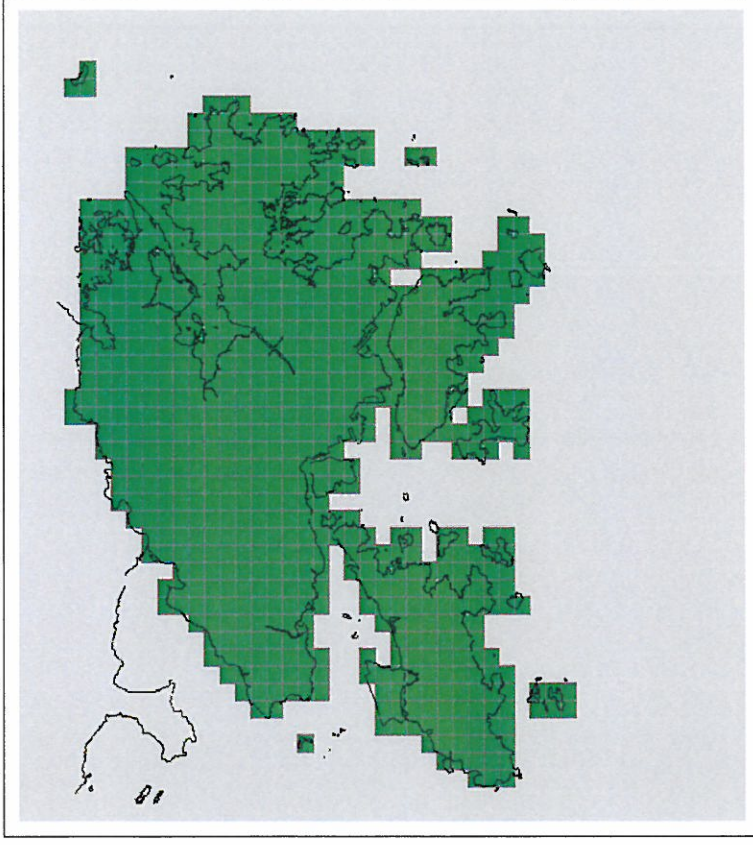
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

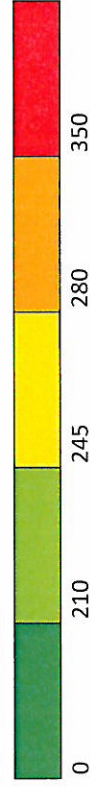
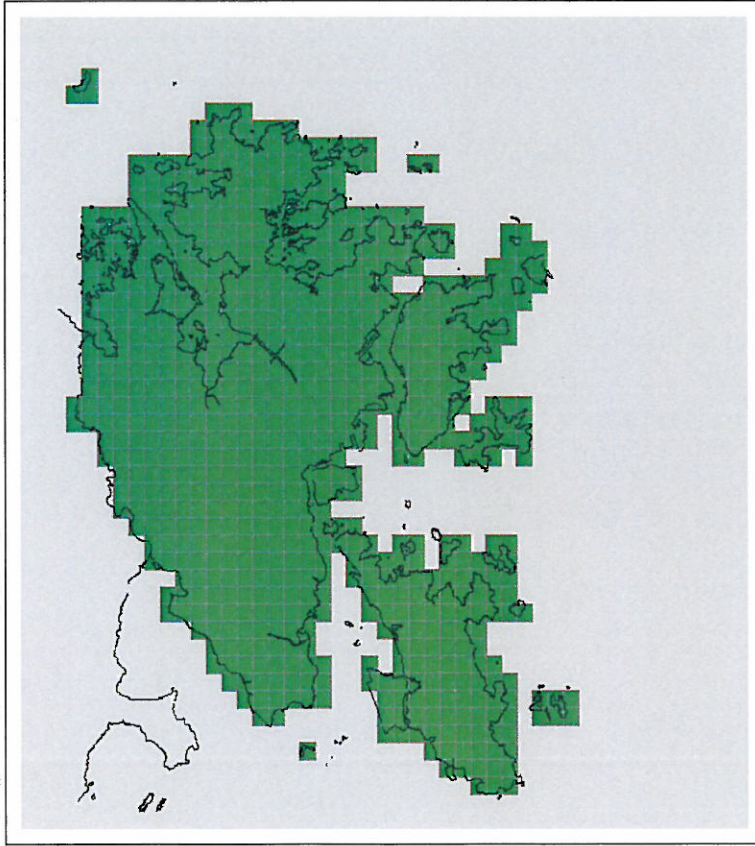
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

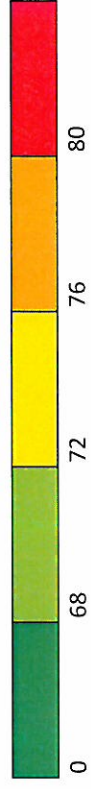
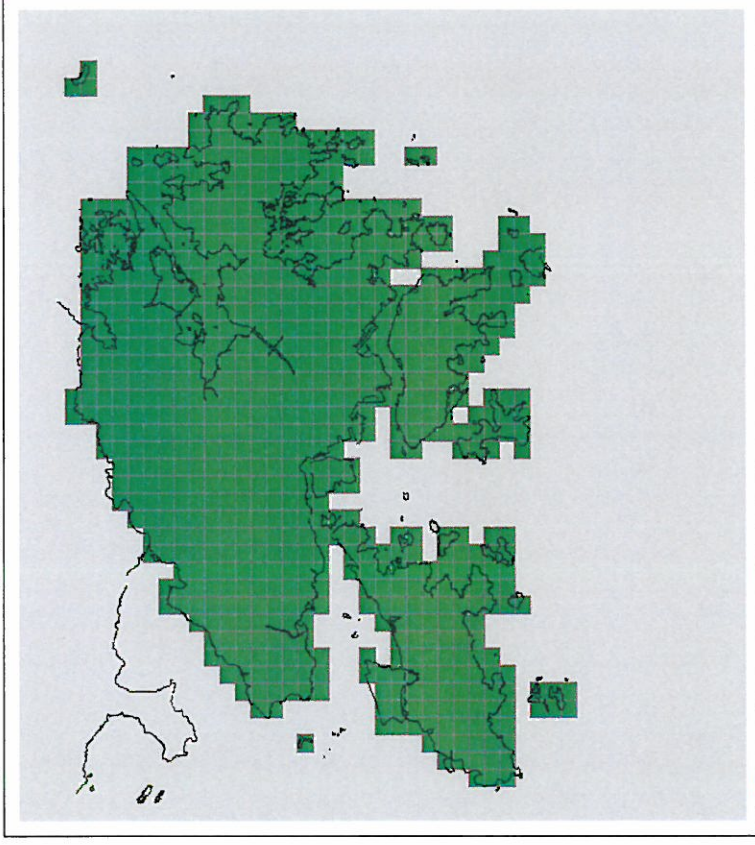
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

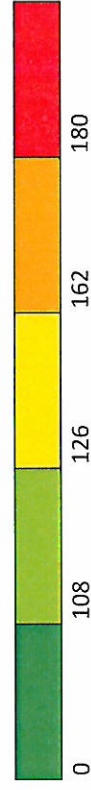
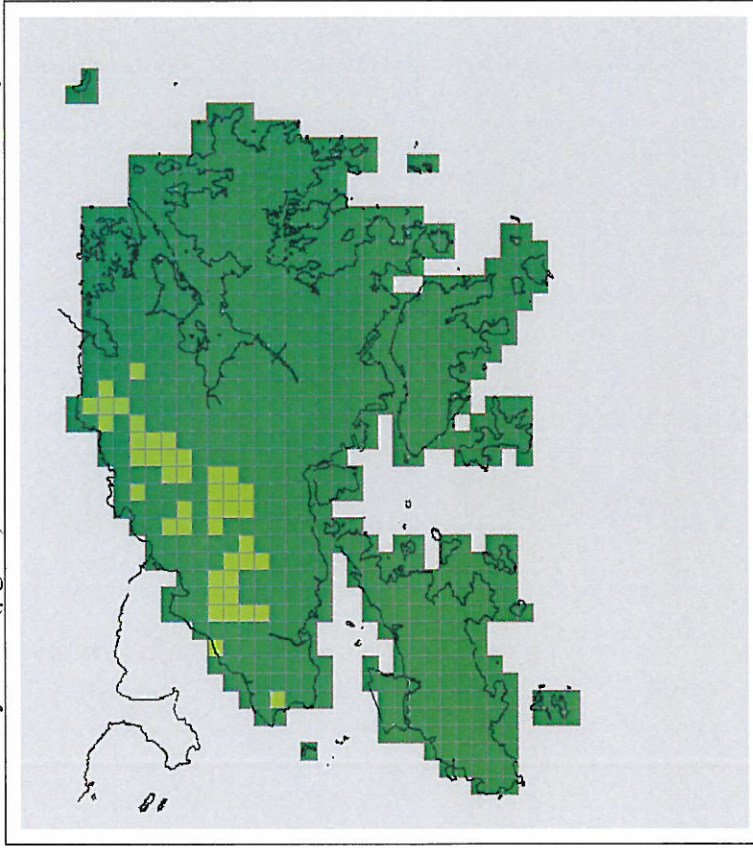
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

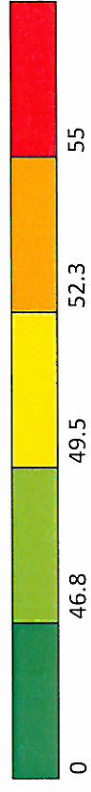
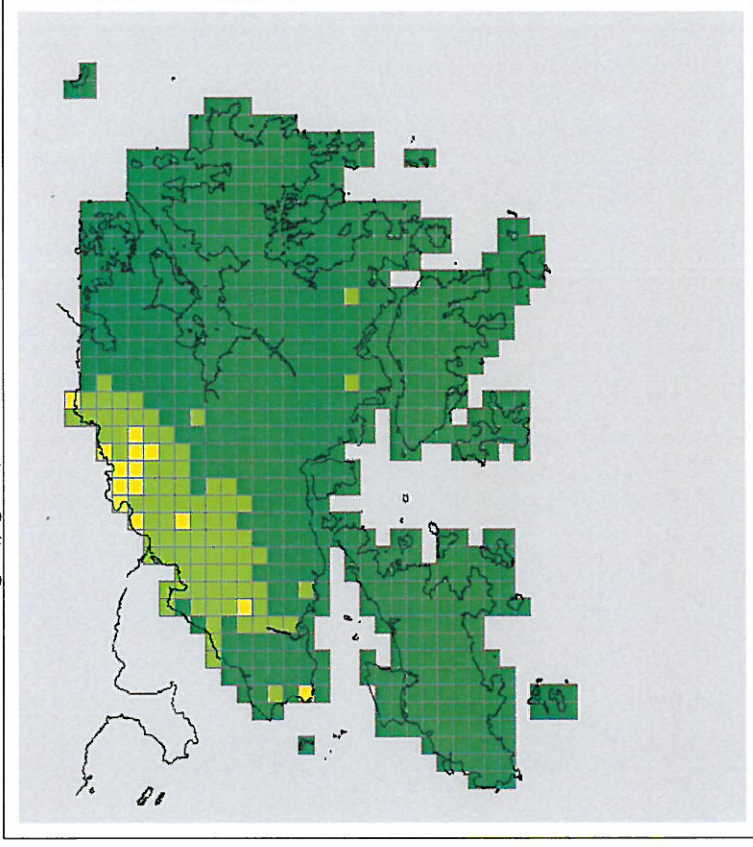
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

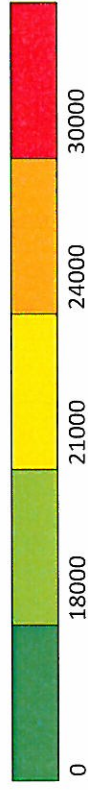
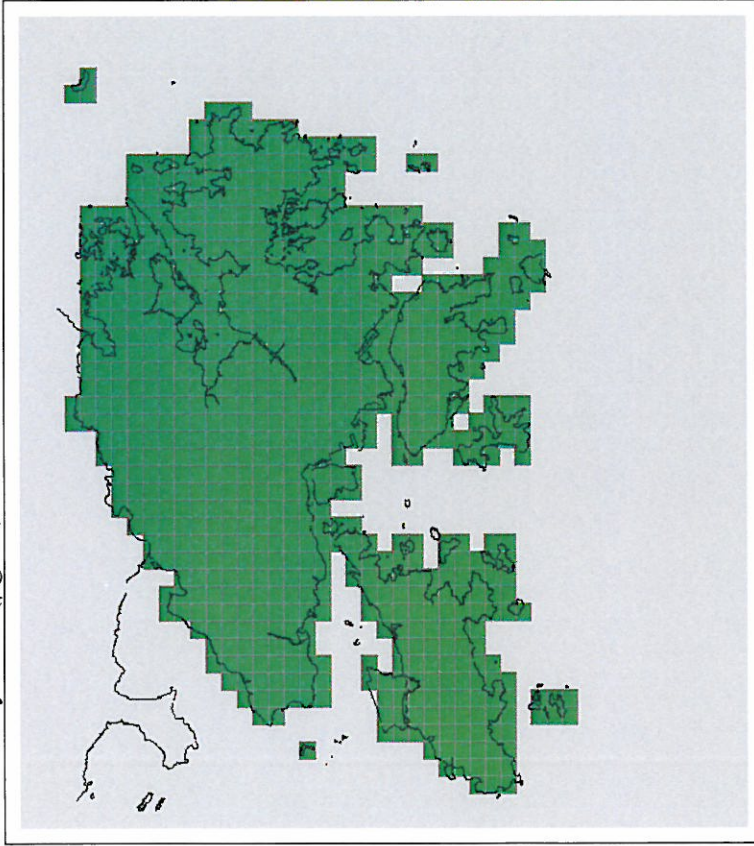
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

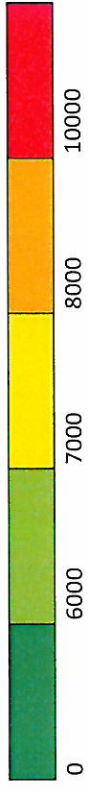
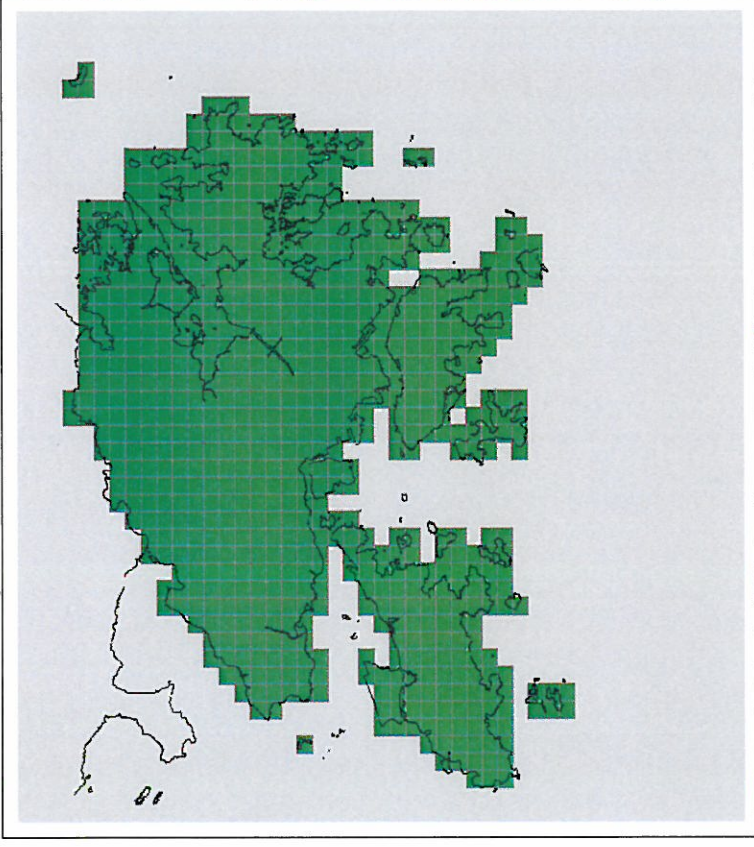
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

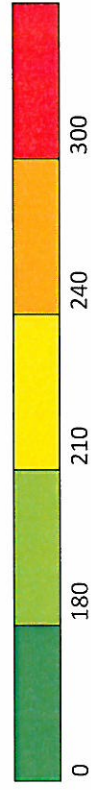
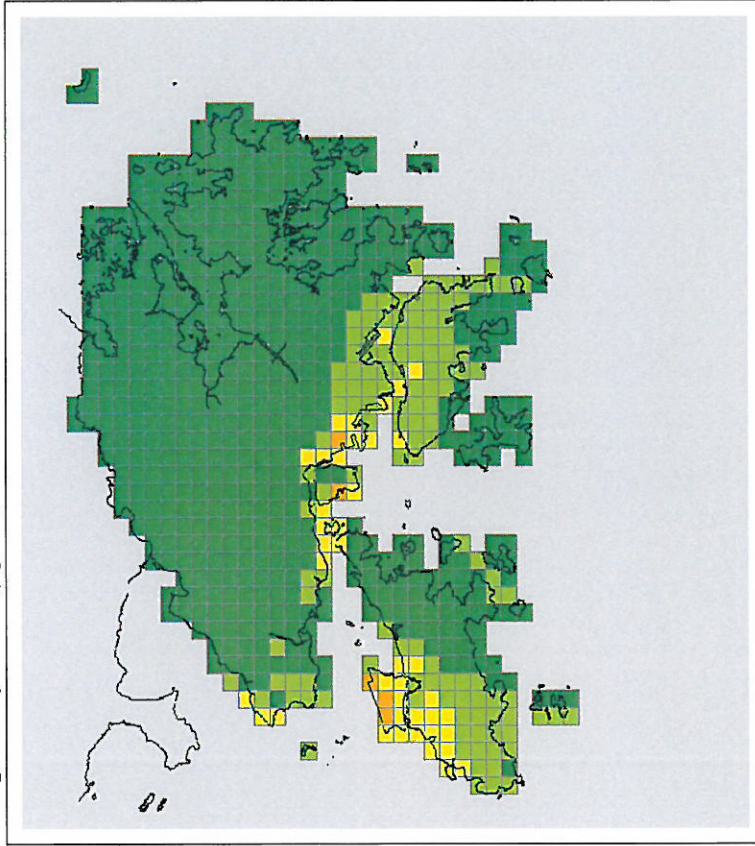
(0 - 19m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

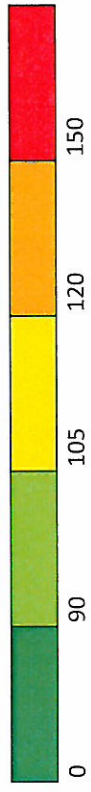
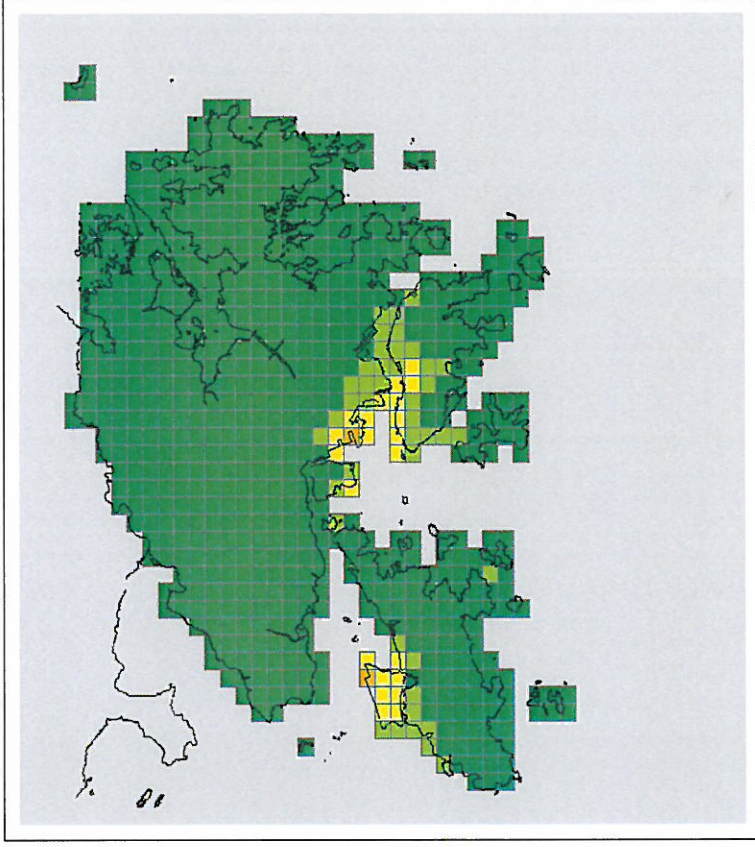
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

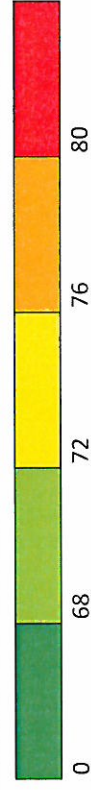
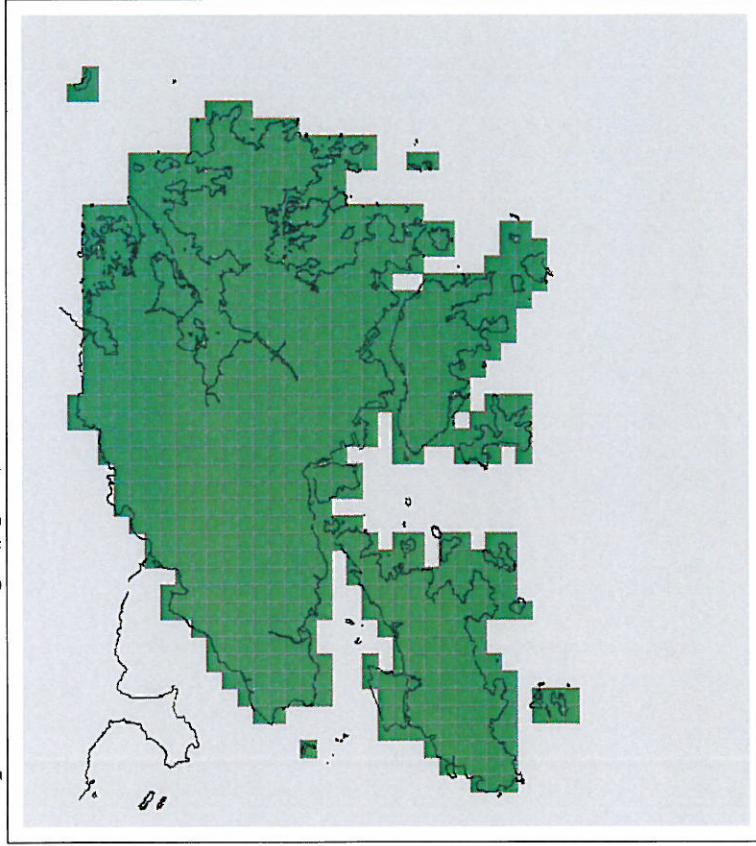
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

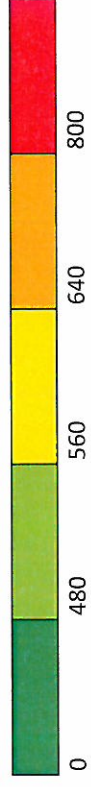
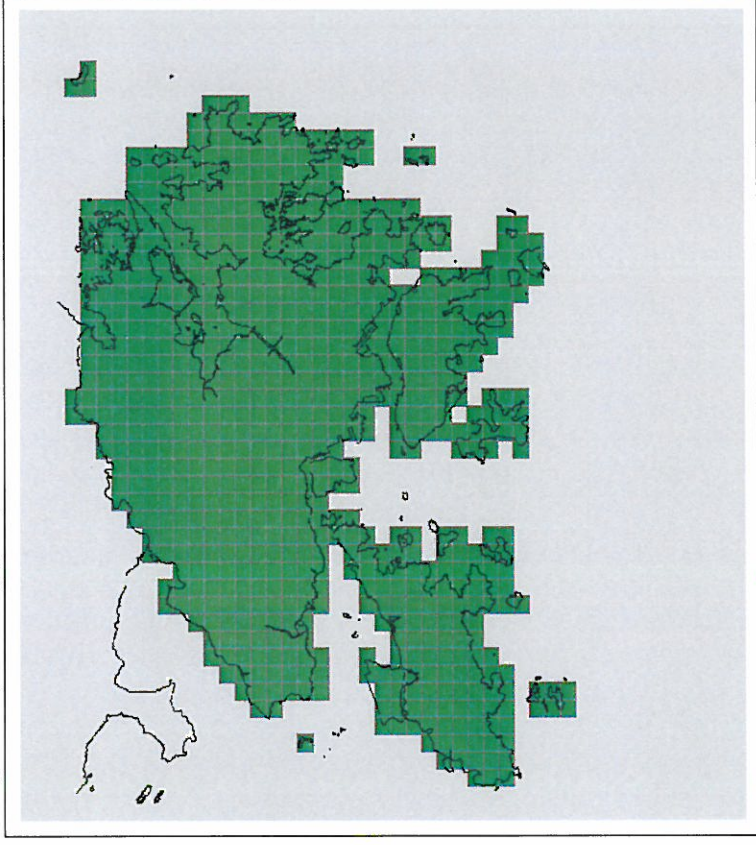
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

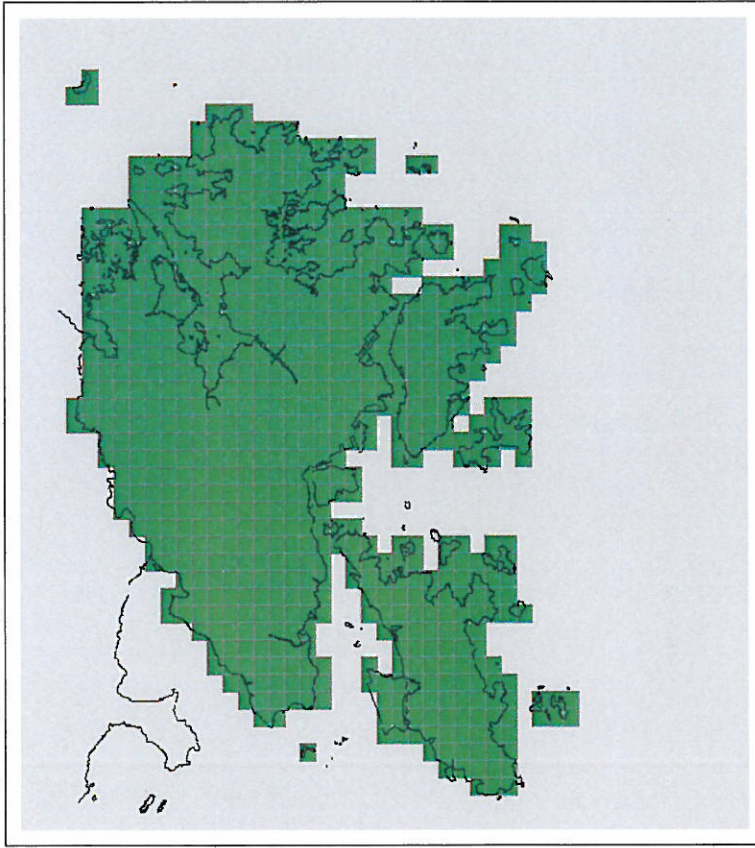
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

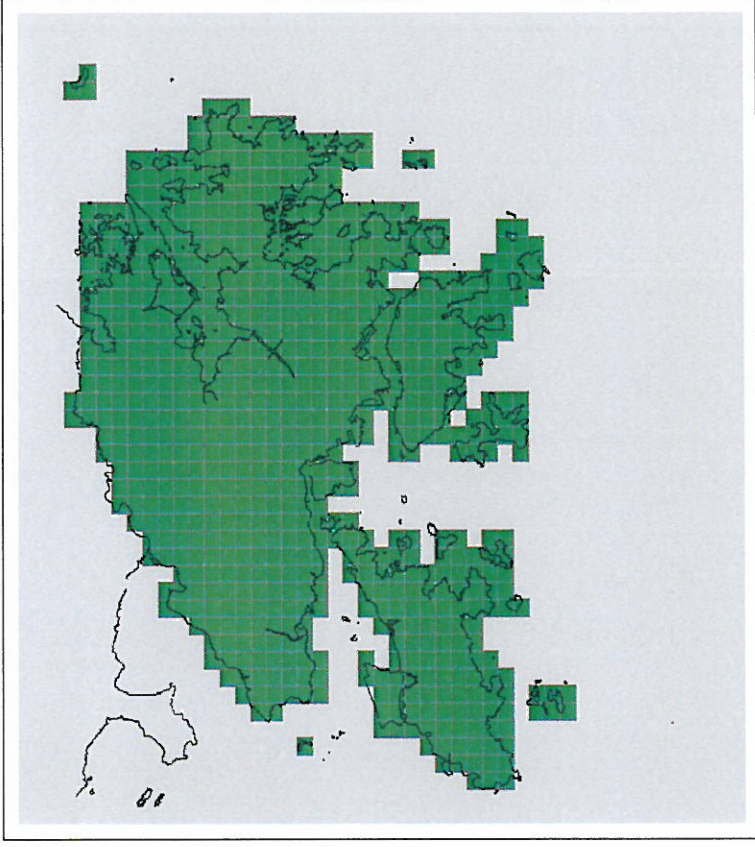
(19 - 41m above ground)



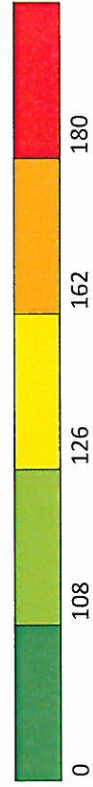
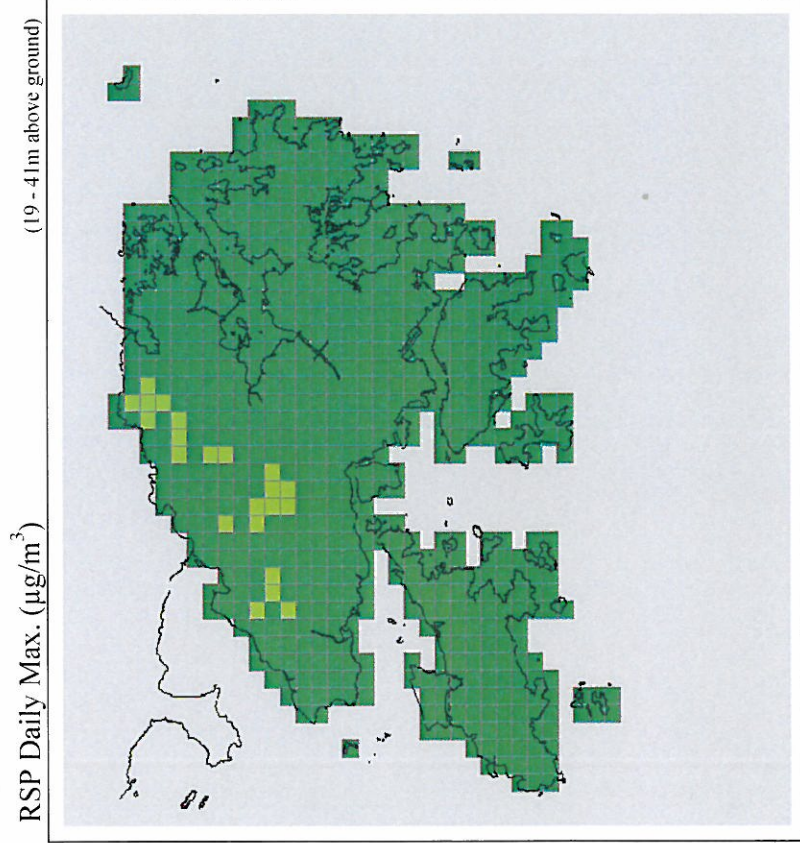
The IWMF at the Artificial Island near SKC

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

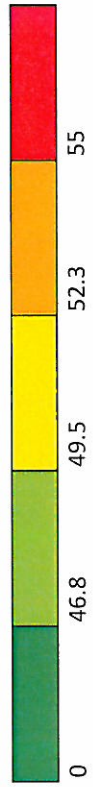
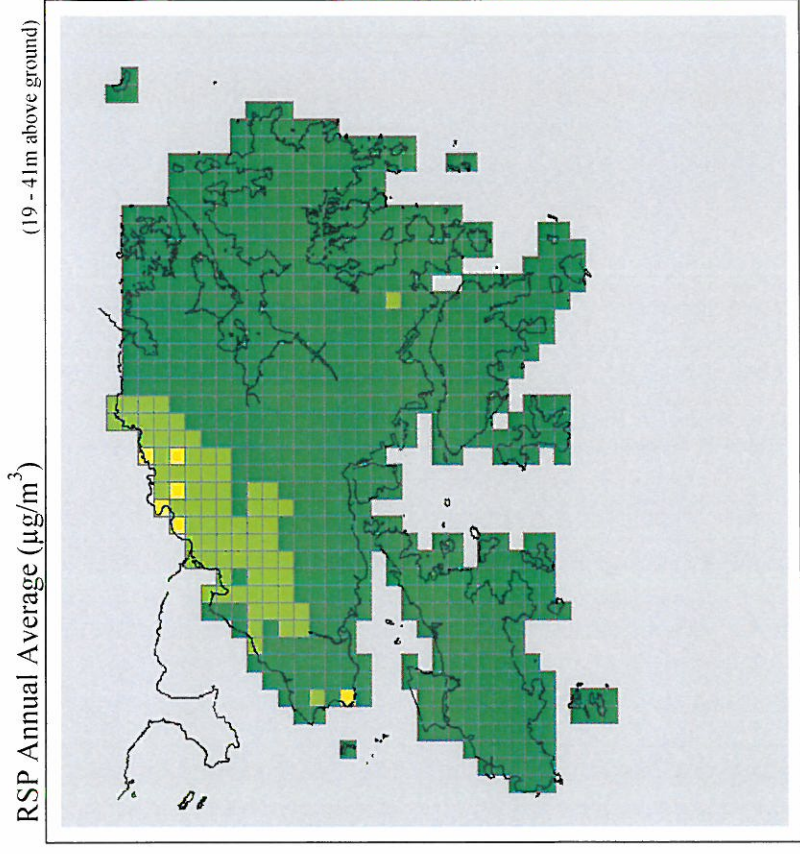
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC



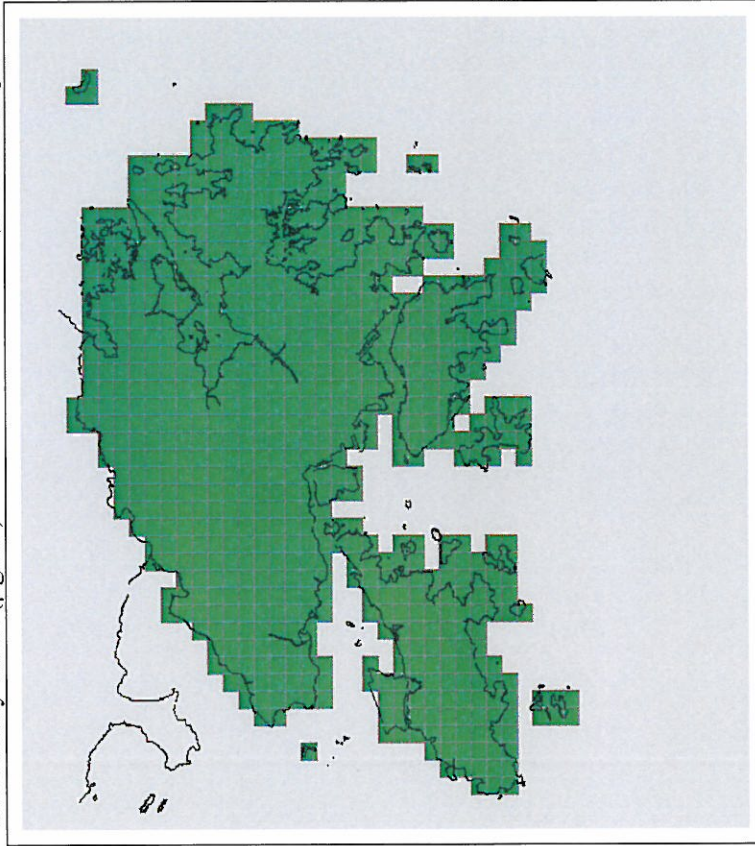
The IWMF at the Artificial Island near SKC



The IWMF at the Artificial Island near SKC

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

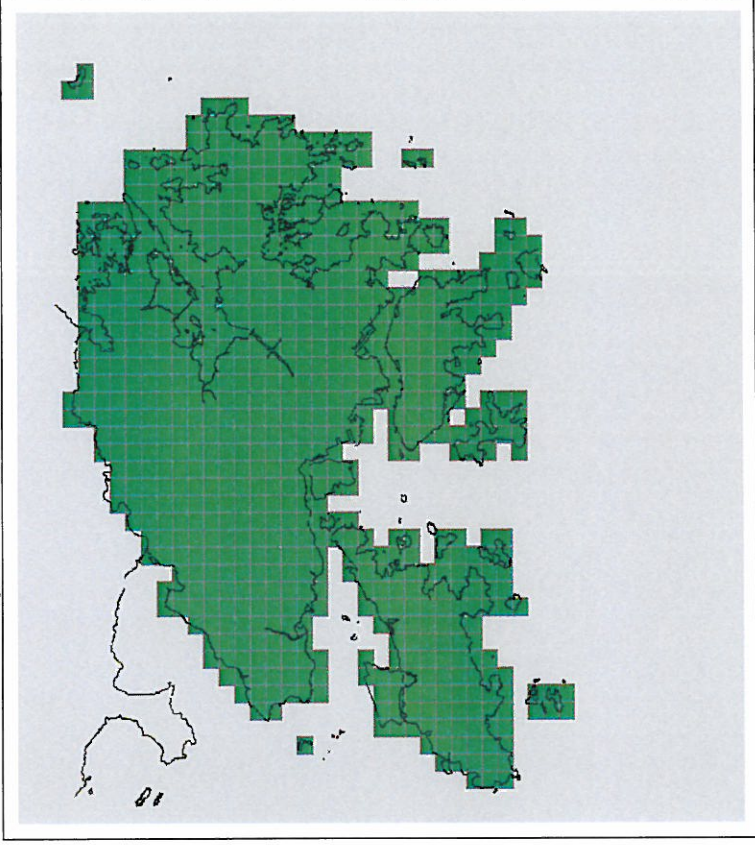
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

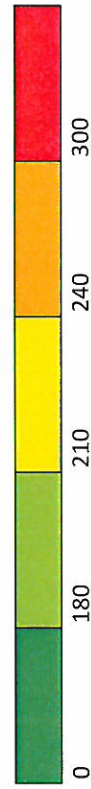
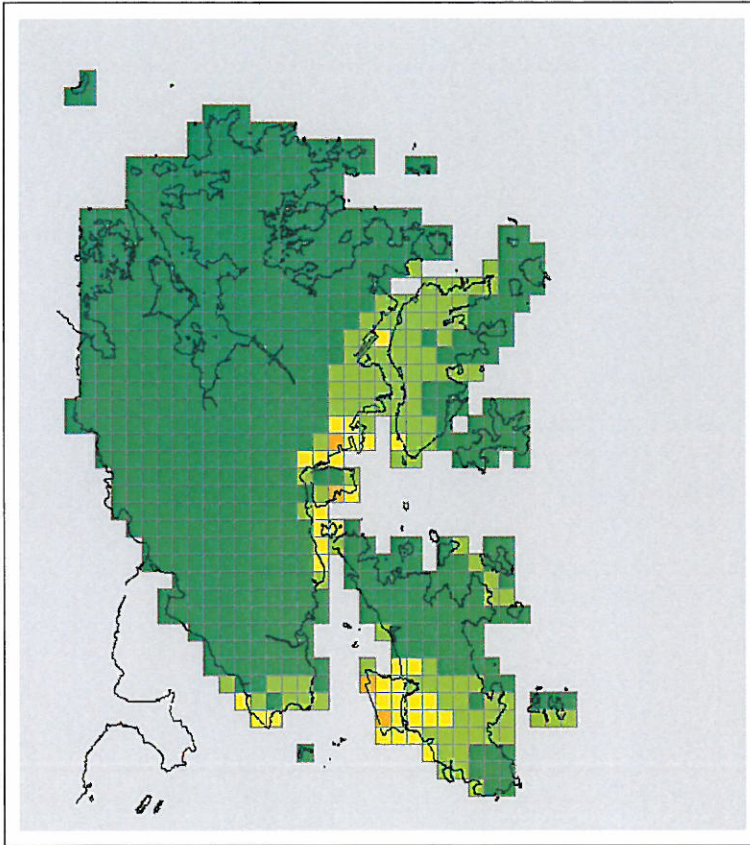
(19 - 41m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

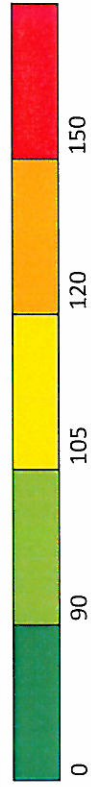
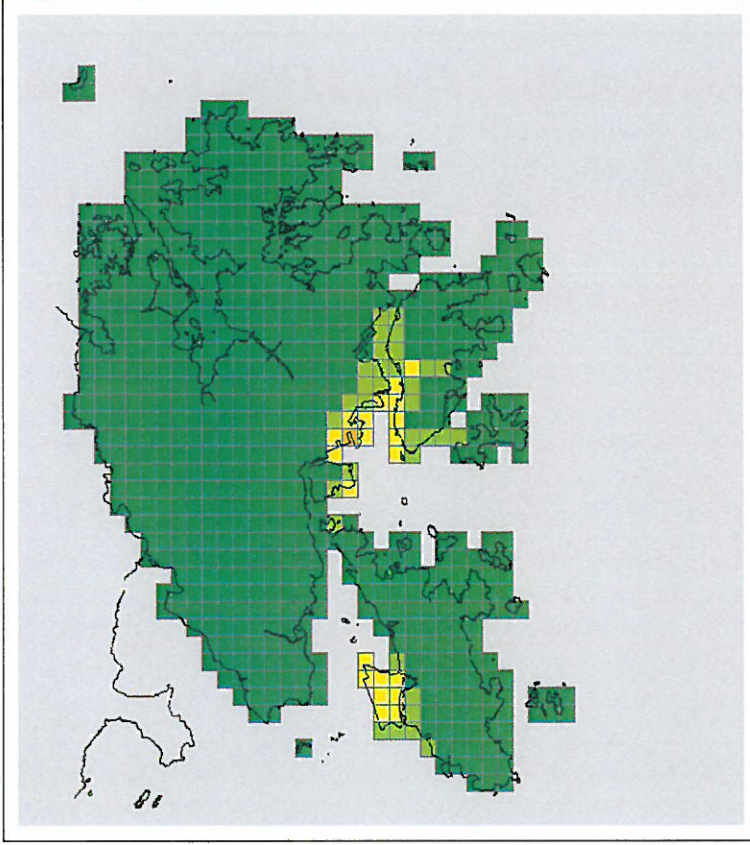
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

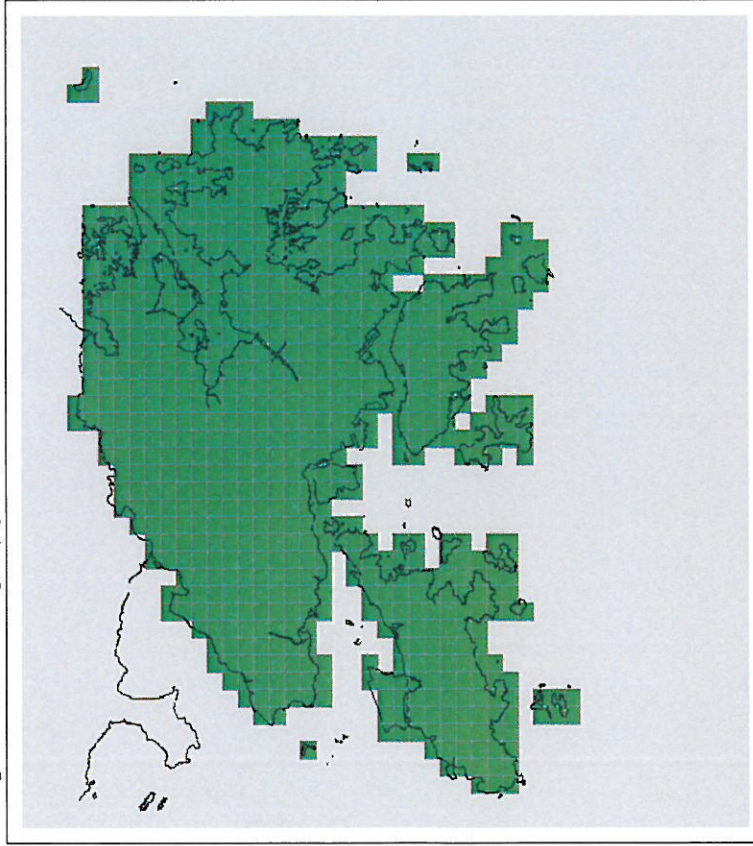
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

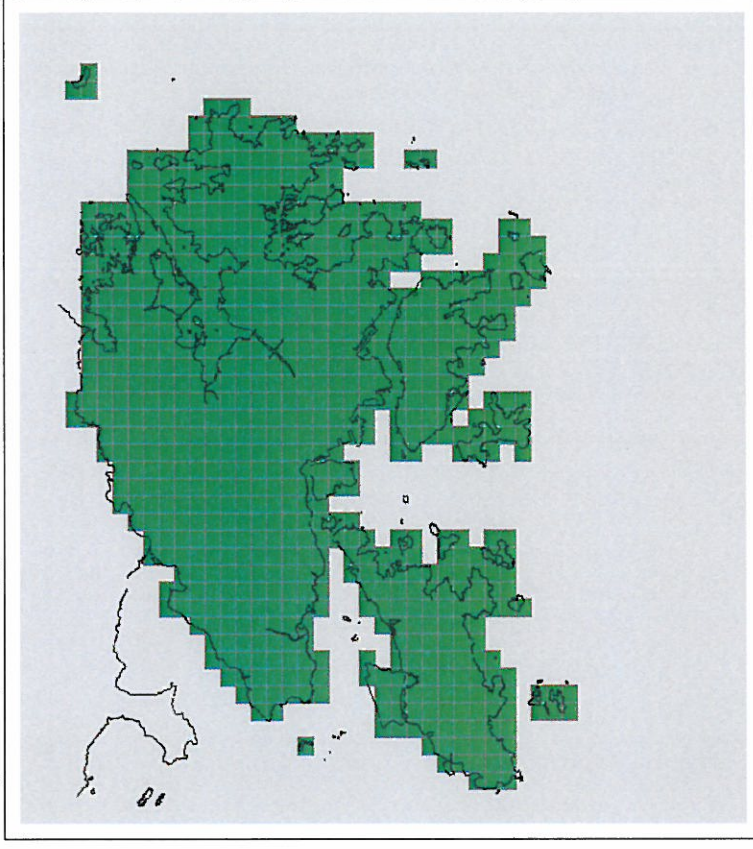
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

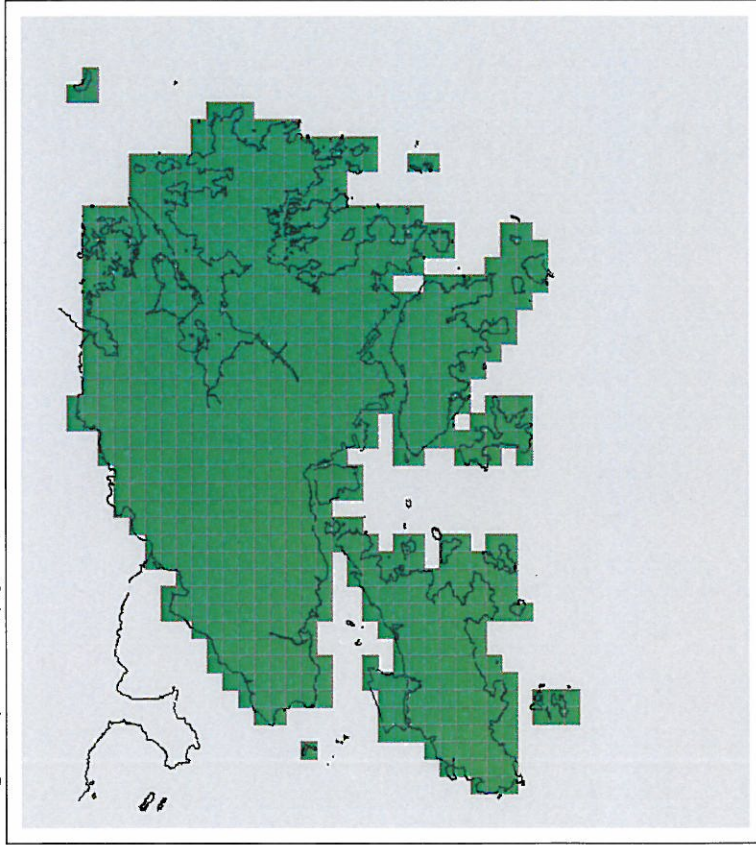
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

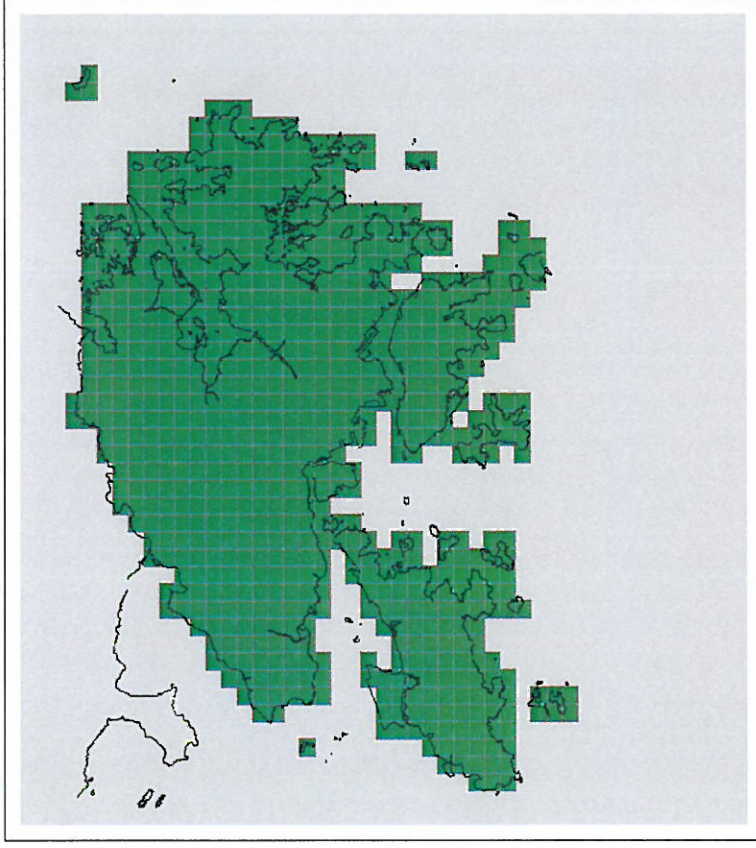
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

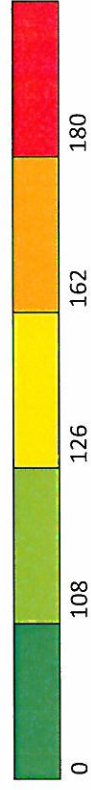
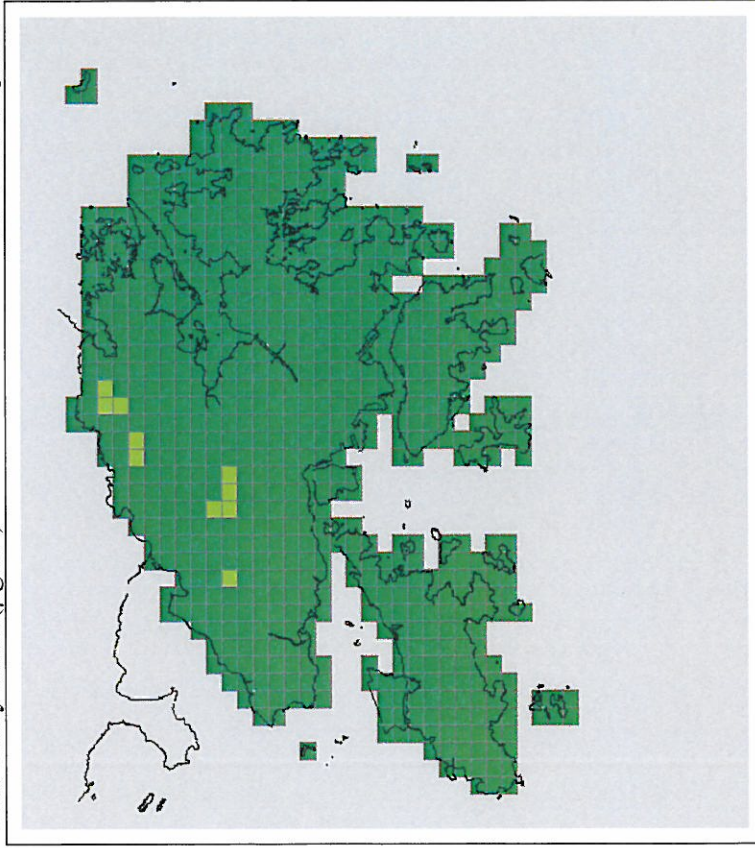
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

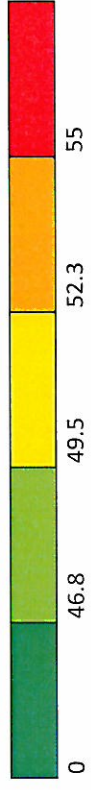
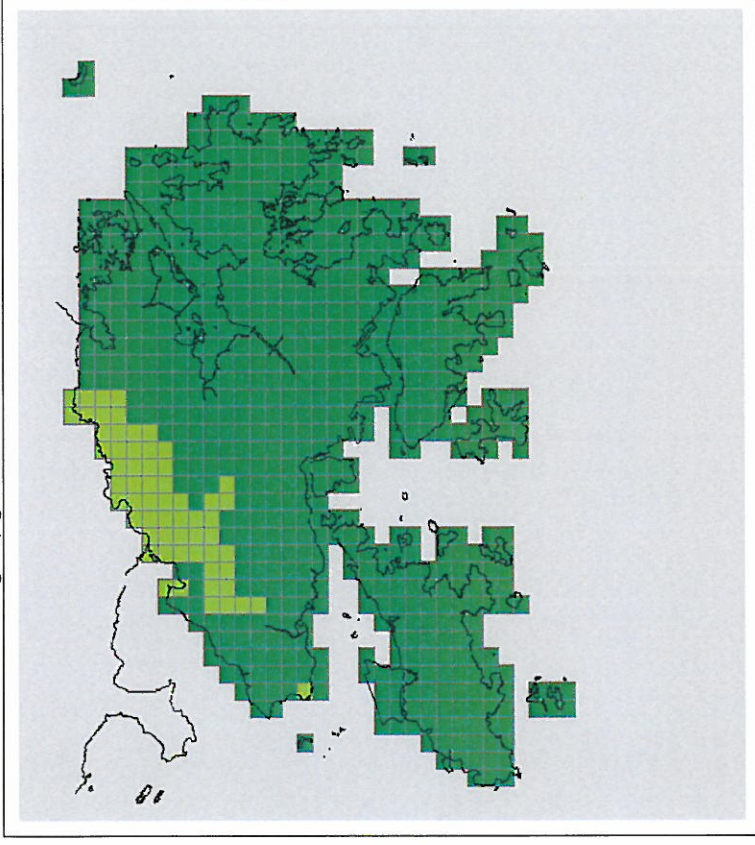
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

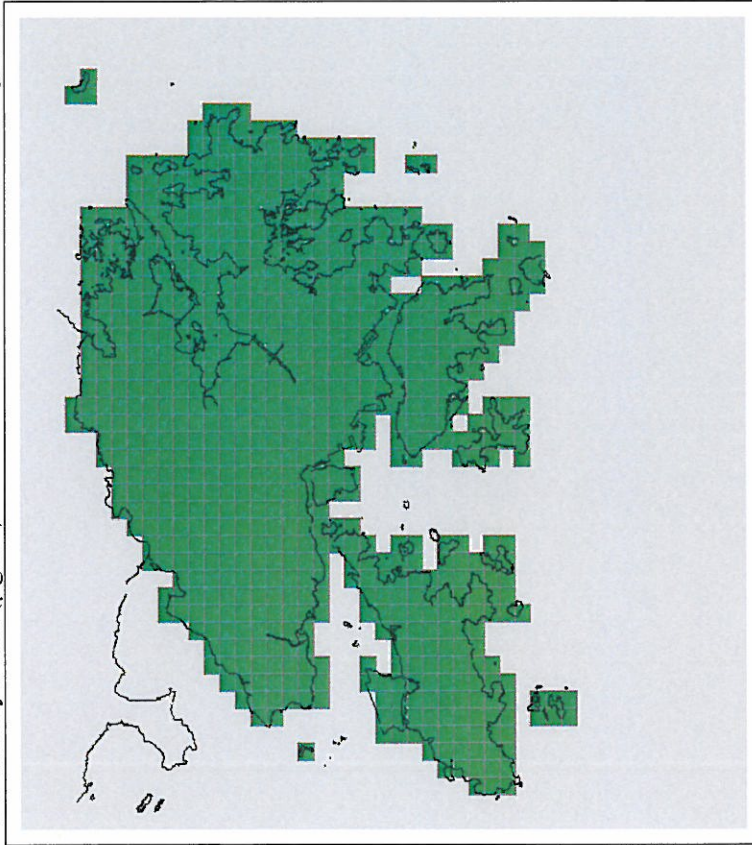
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

CO Hourly Max. ($\mu\text{g}/\text{m}^3$)

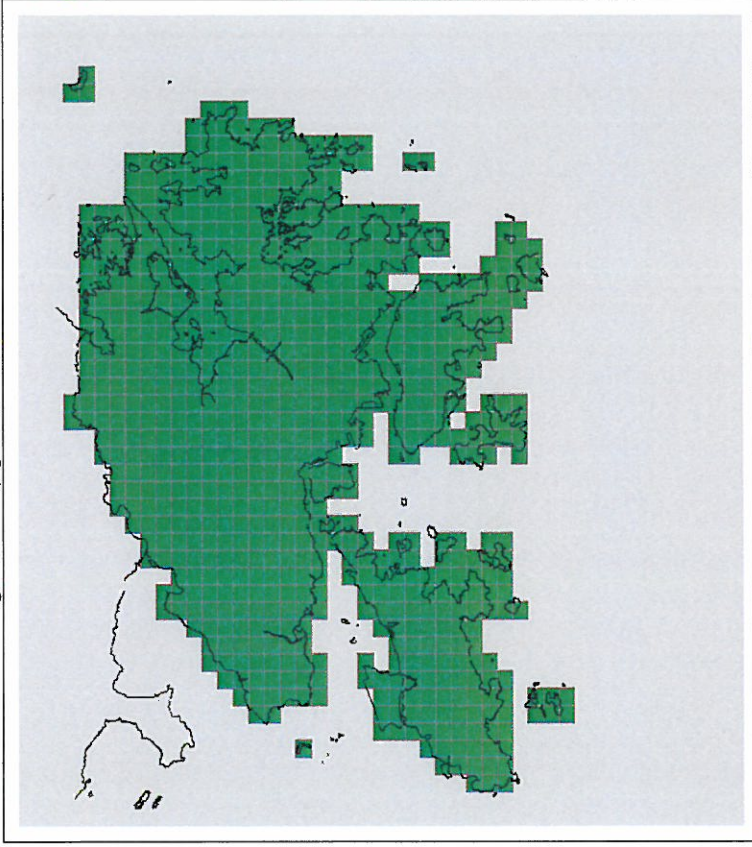
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)

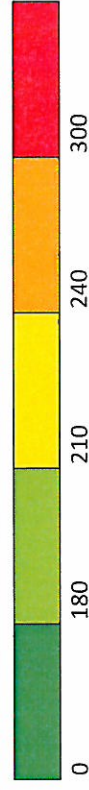
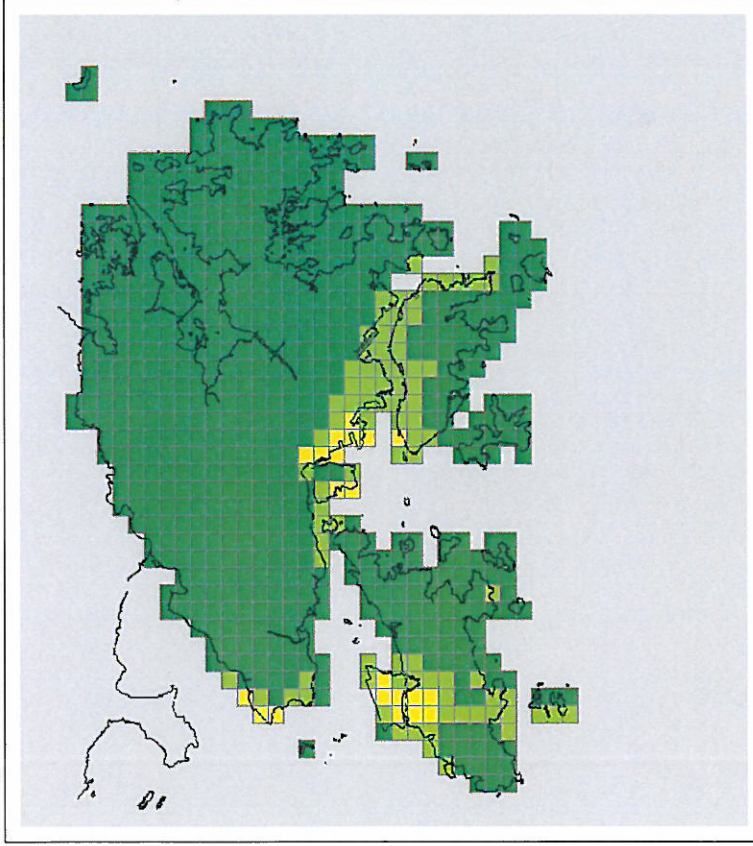
(41 - 79m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

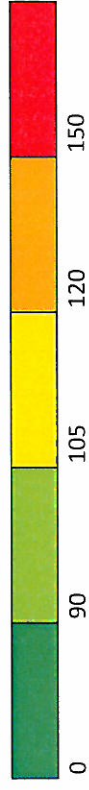
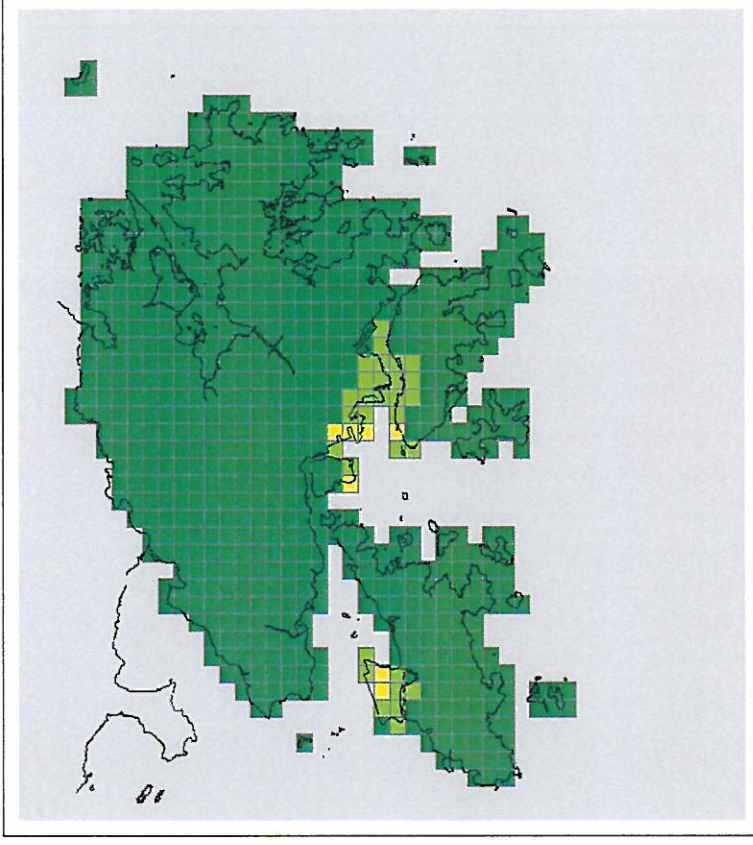
(79 - 120m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

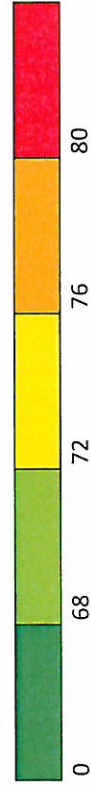
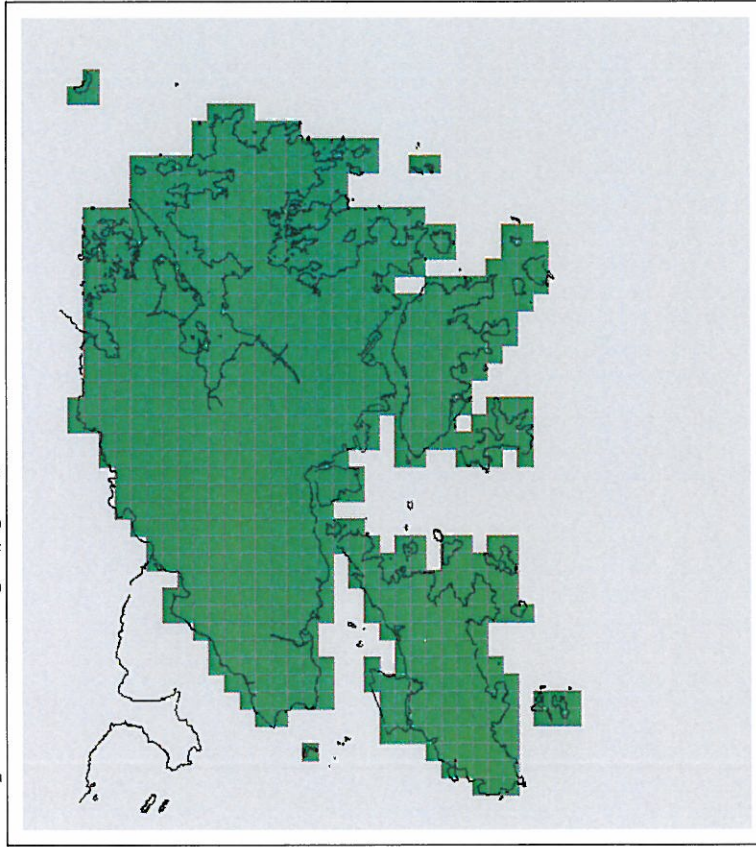
(79 - 120m above ground)



The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

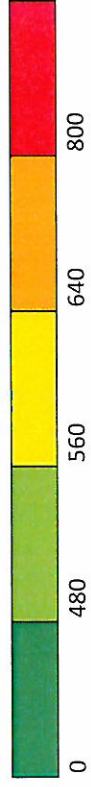
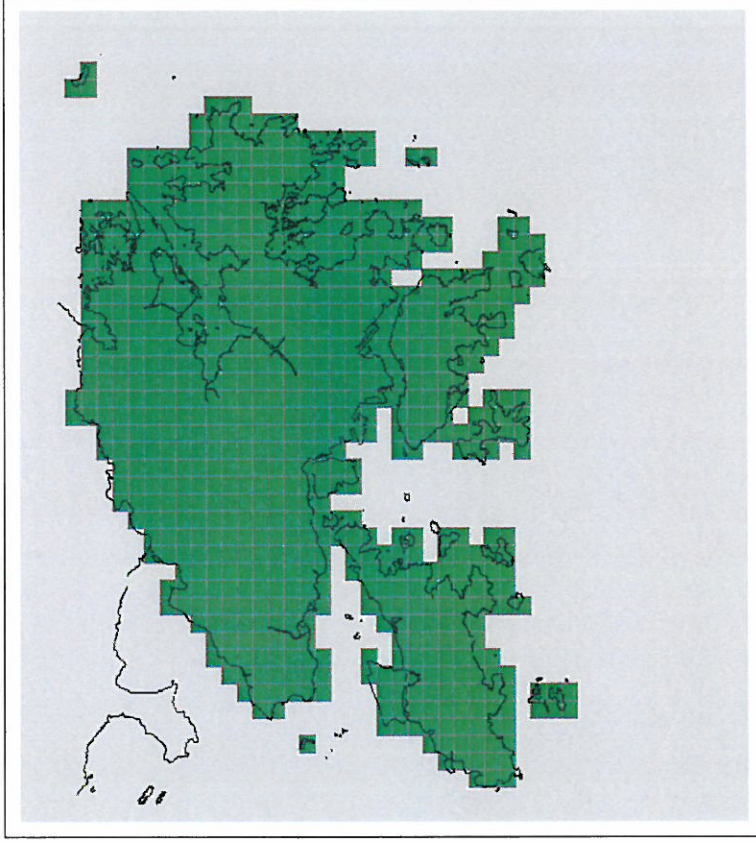
(79 - 120m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

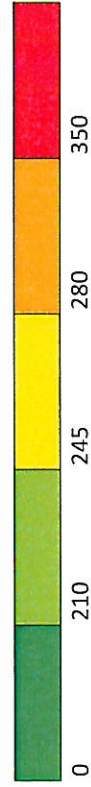
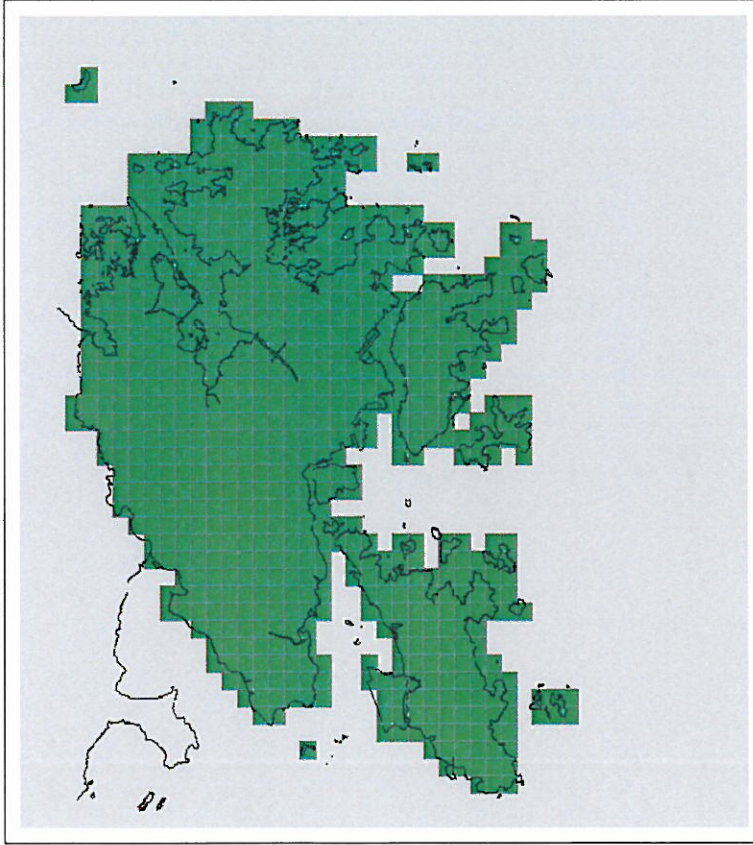
(79 - 120m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

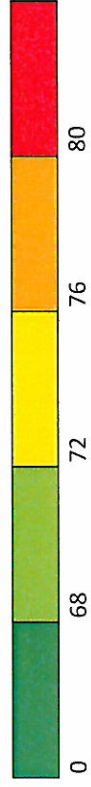
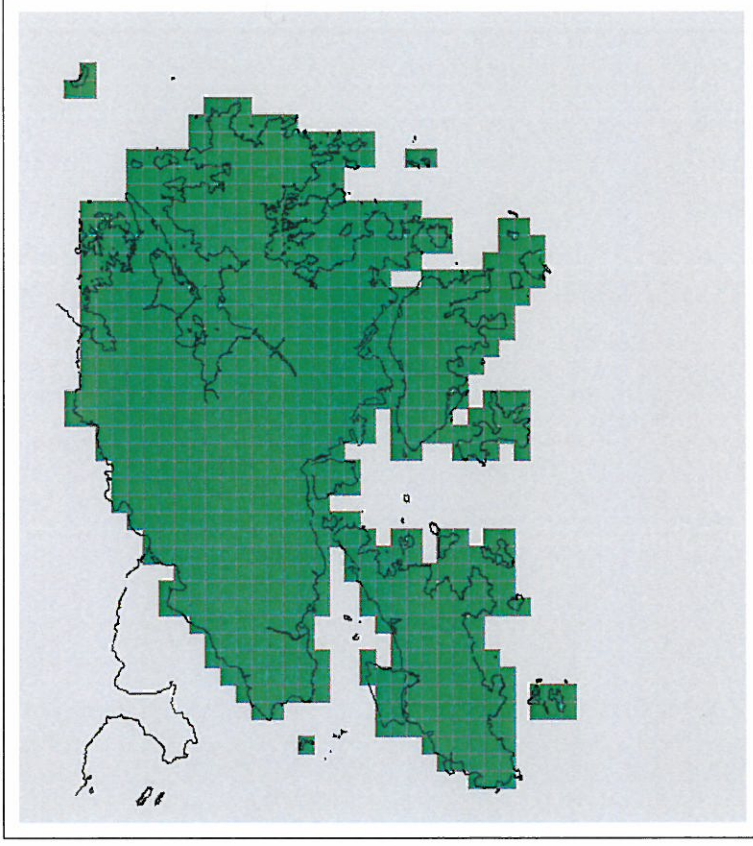
(79 - 120m above ground)



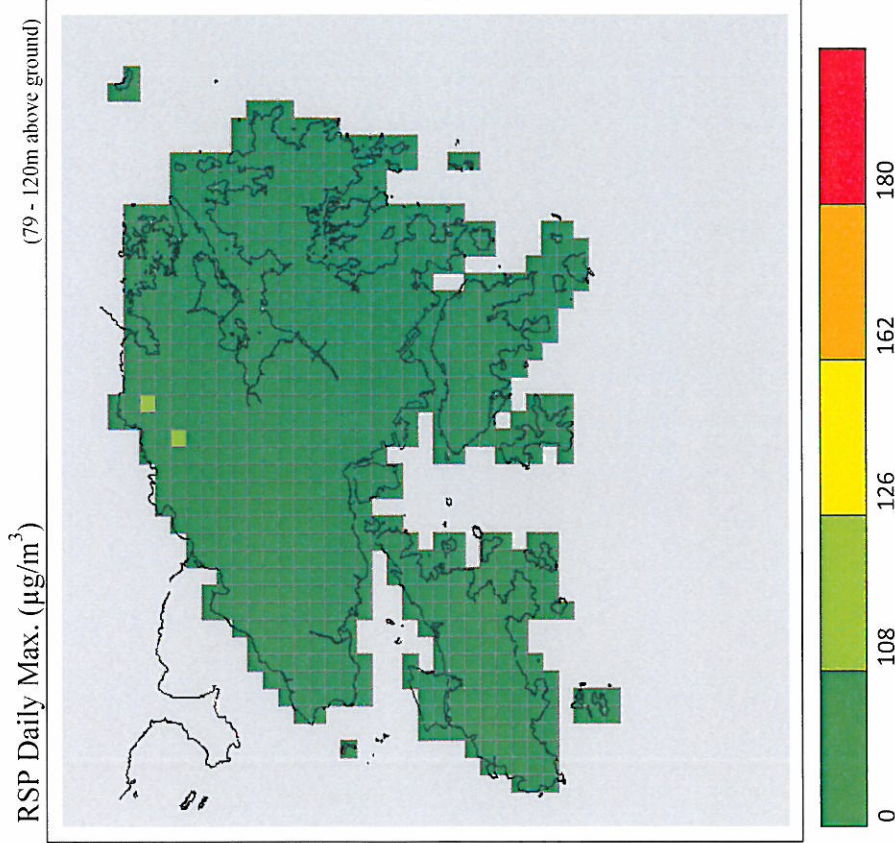
The IWMF at the Artificial Island near SKC

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

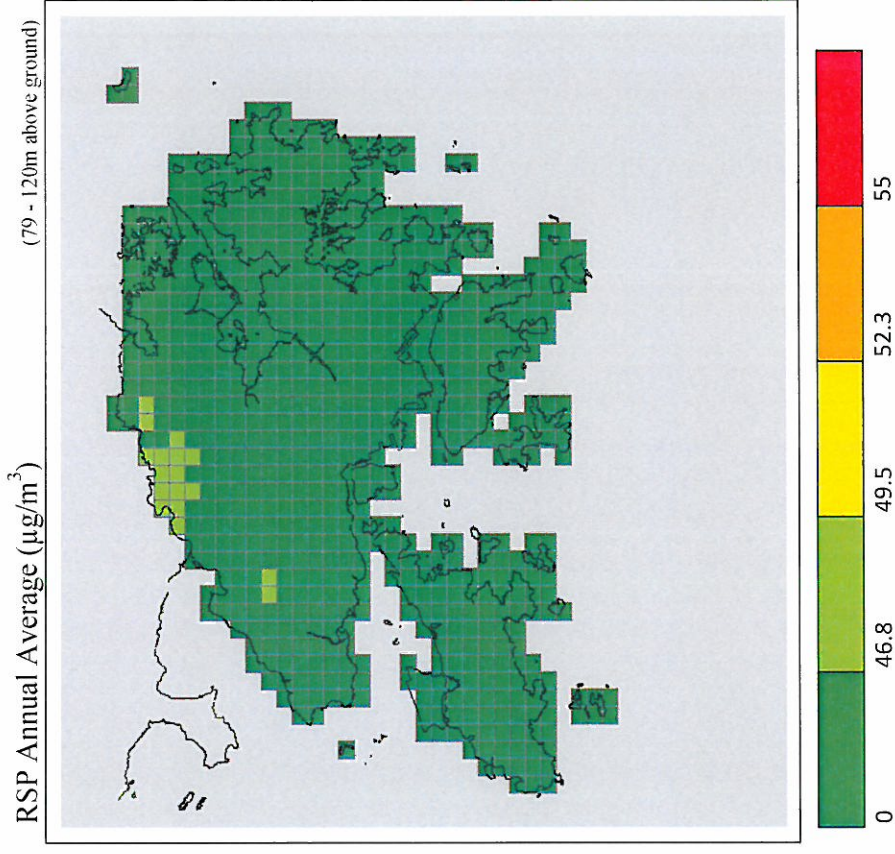
(79 - 120m above ground)



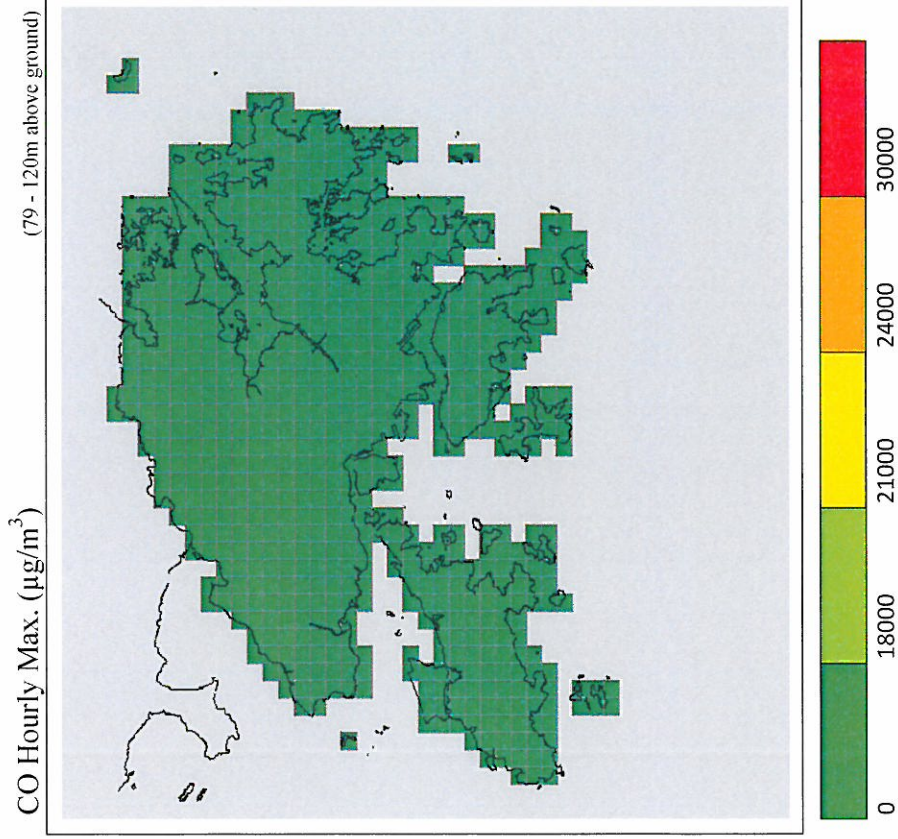
The IWMF at the Artificial Island near SKC



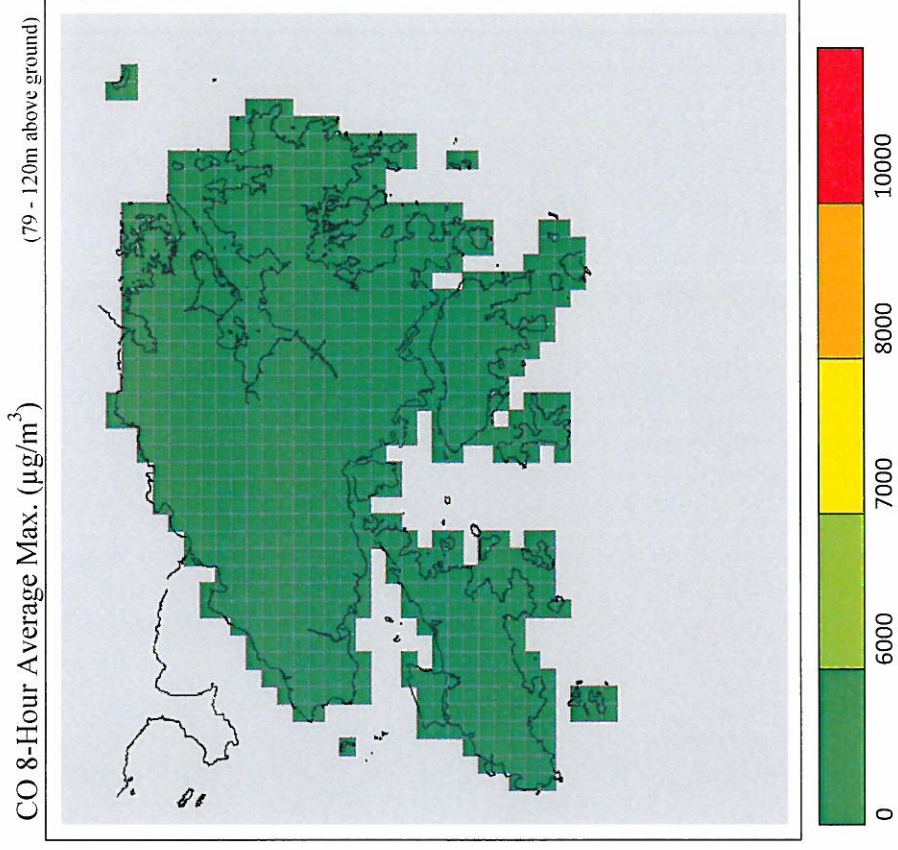
The IWMF at the Artificial Island near SKC



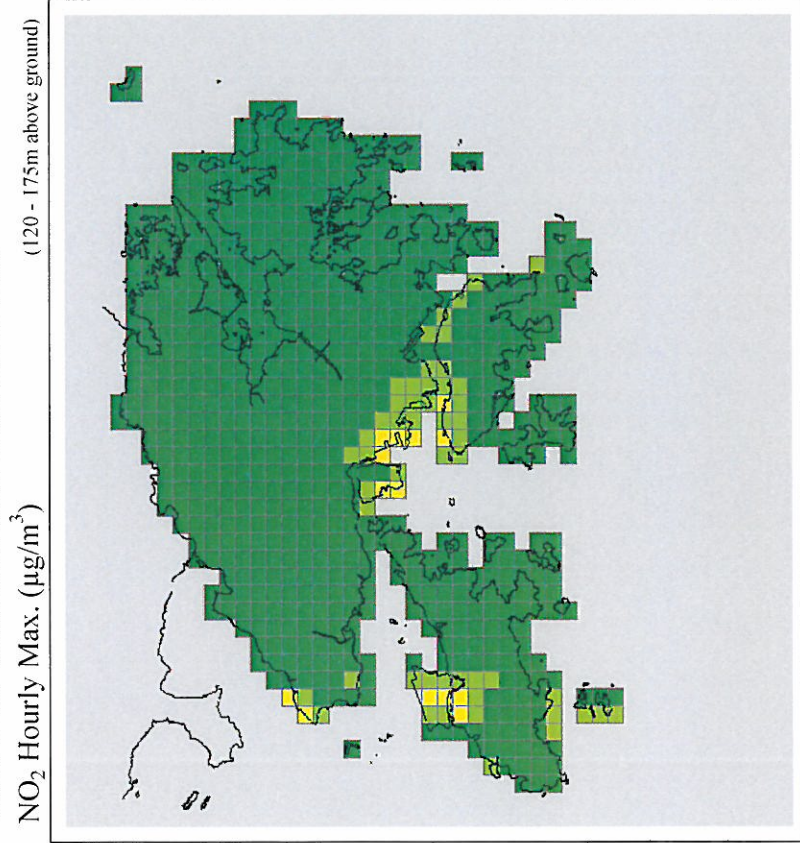
The IWMF at the Artificial Island near SKC



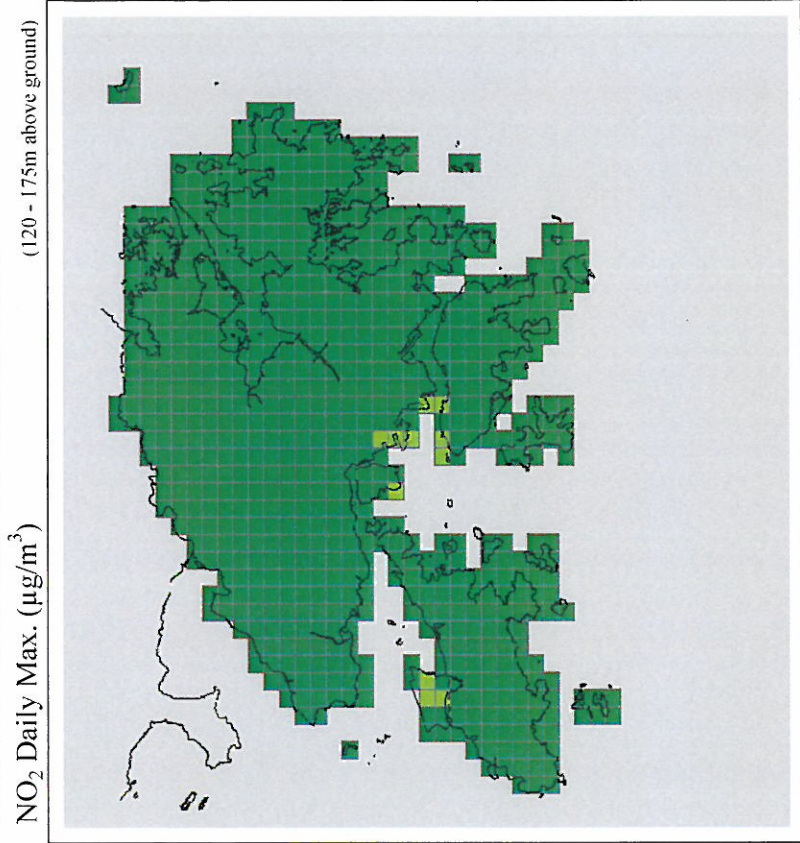
The IWMF at the Artificial Island near SKC



The IWMF at the Artificial Island near SKC



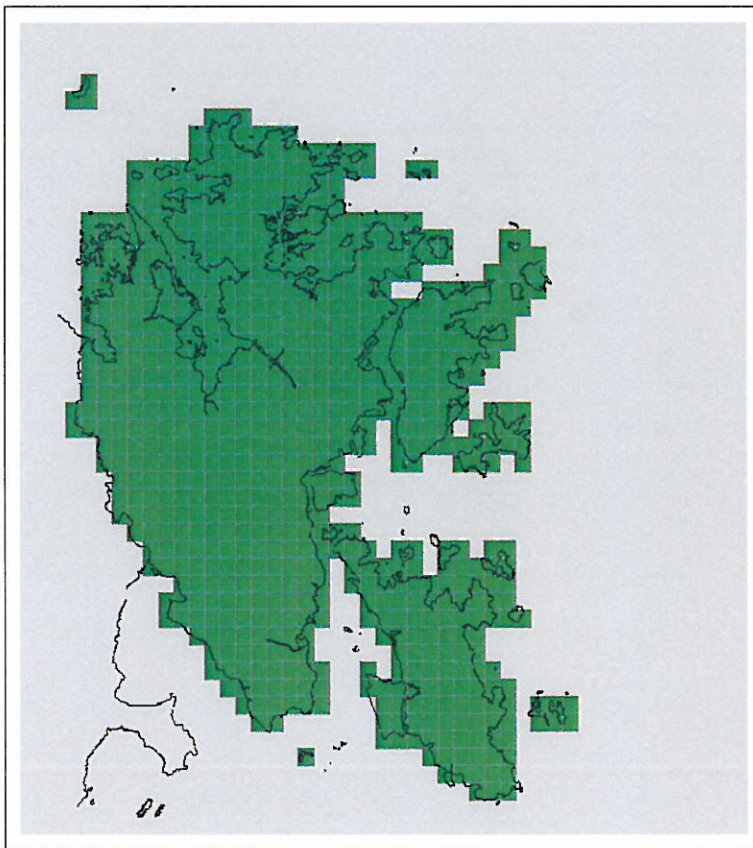
The IWMF at the Artificial Island near SKC



The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

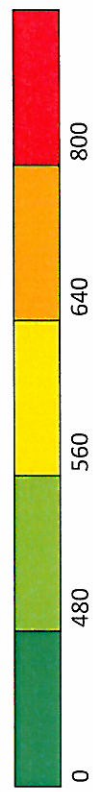
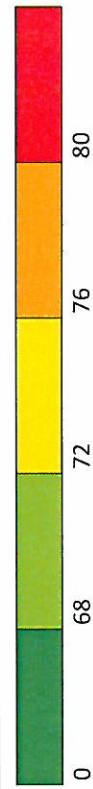
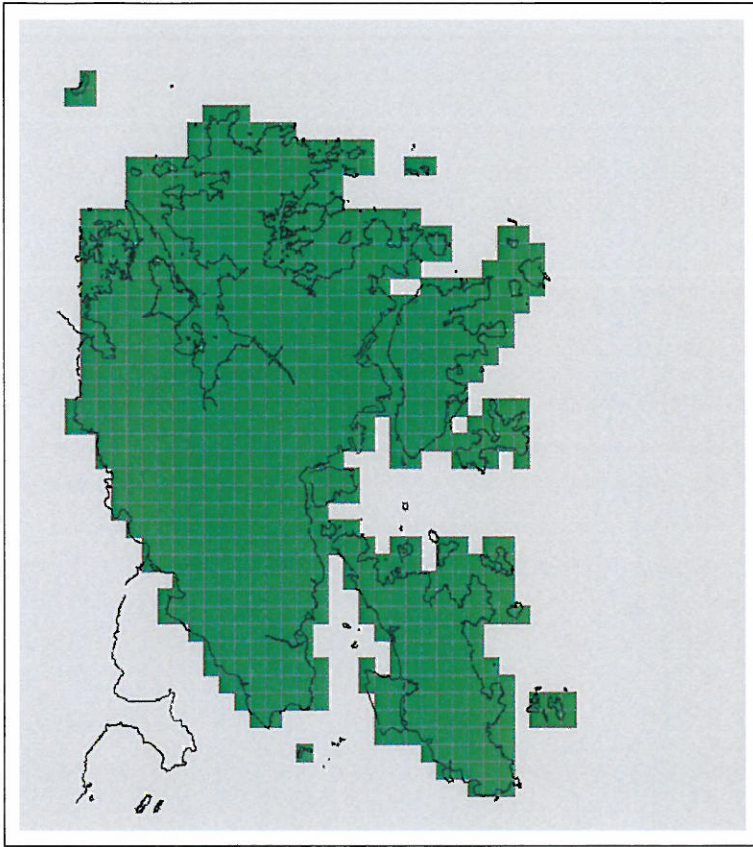
(120 - 175m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

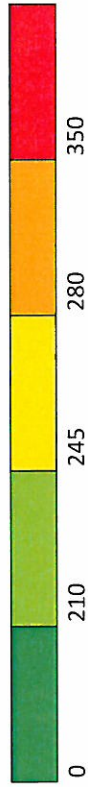
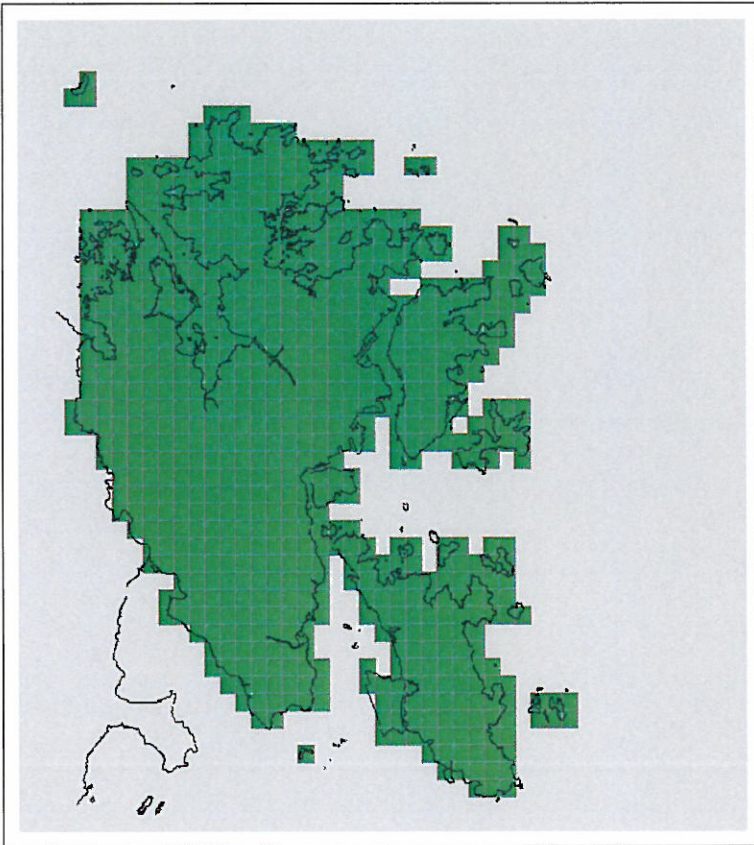
(120 - 175m above ground)



The IWMF at the Artificial Island near SKC

SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

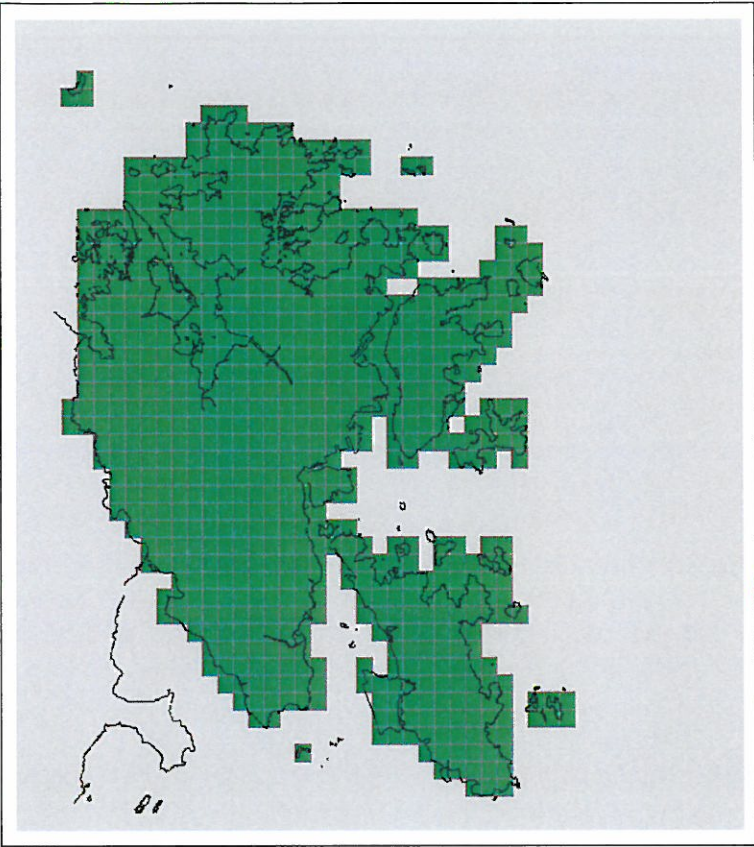
(120 - 175m above ground)



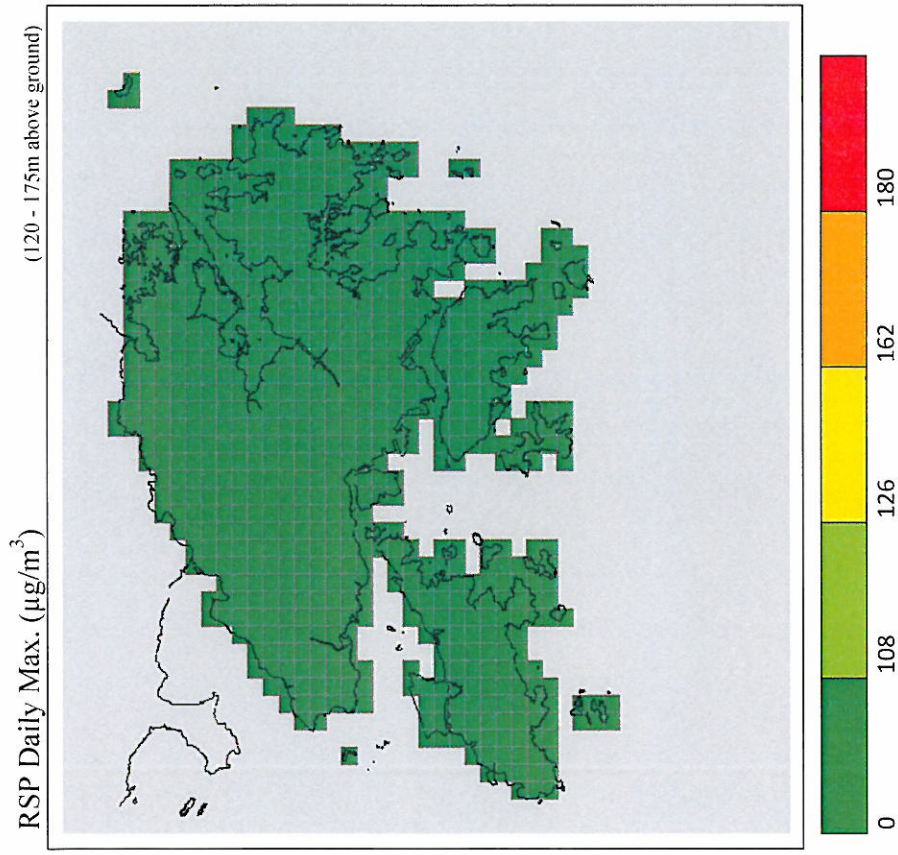
The IWMF at the Artificial Island near SKC

SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

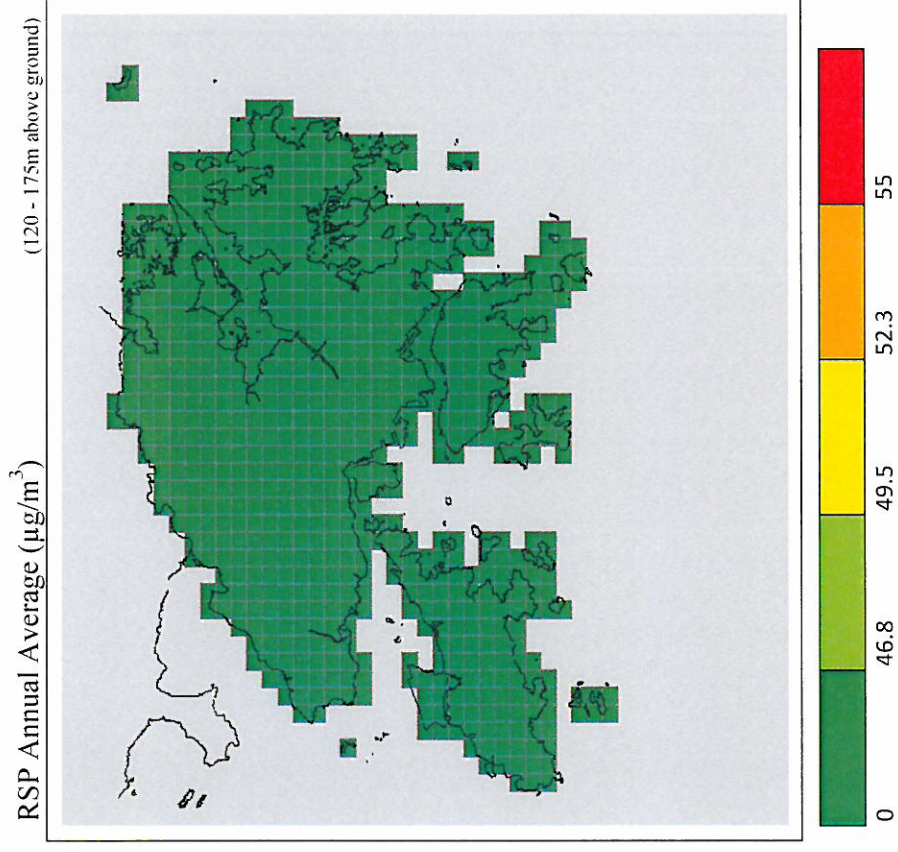
(120 - 175m above ground)



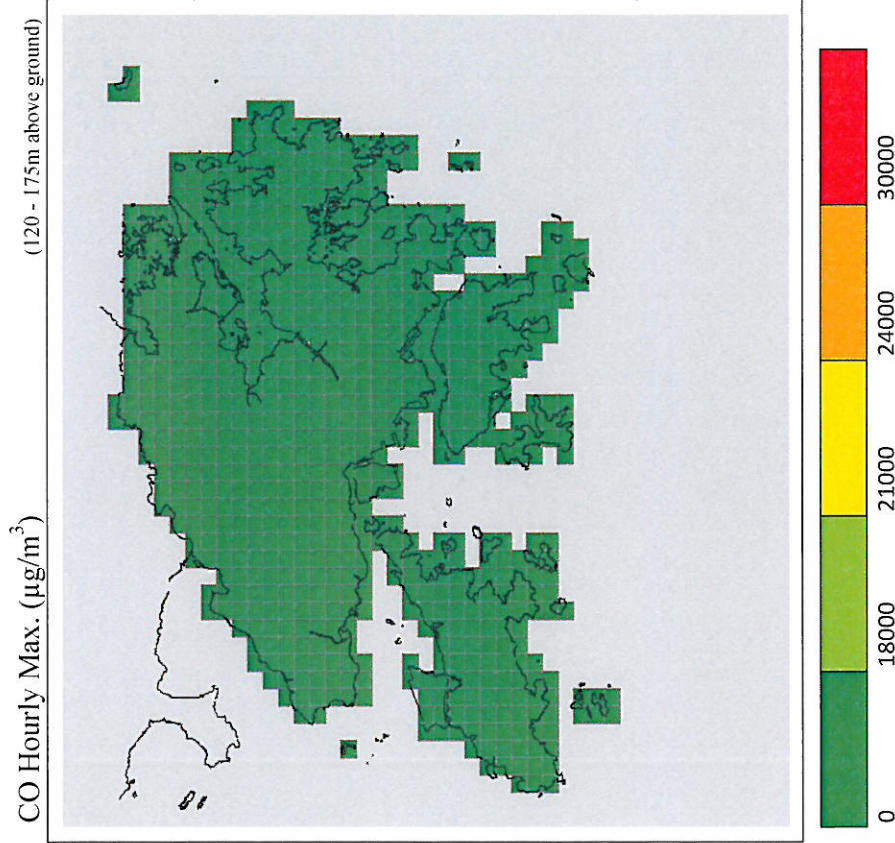
The IWMF at the Artificial Island near SKC



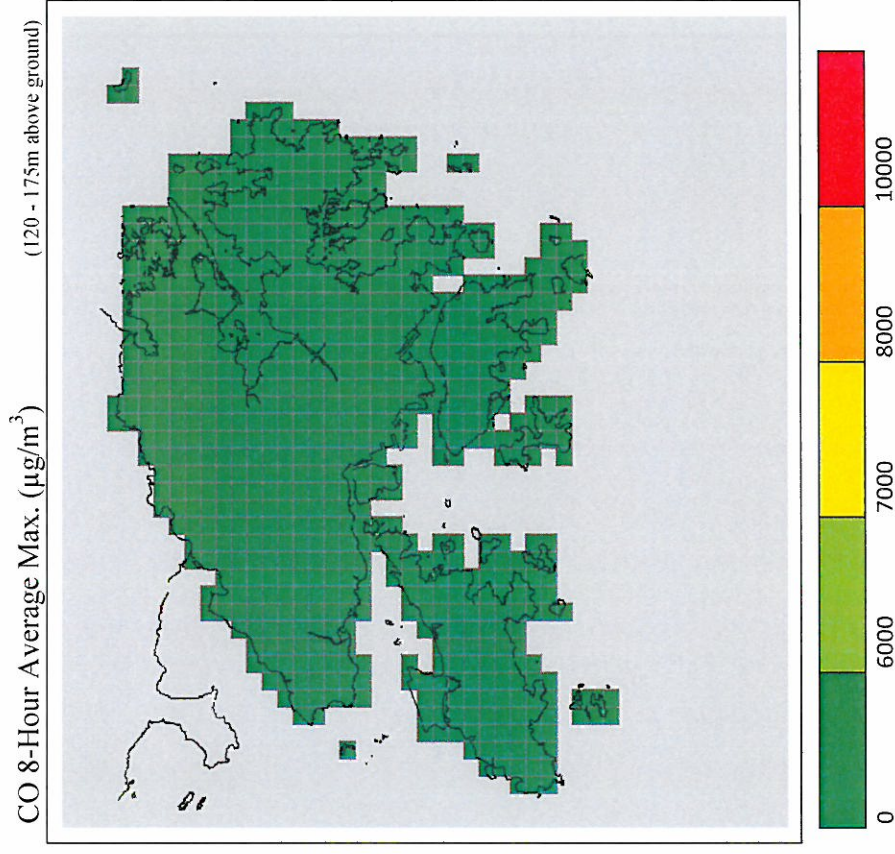
The IWMF at the Artificial Island near SKC



The IWMF at the Artificial Island near SKC



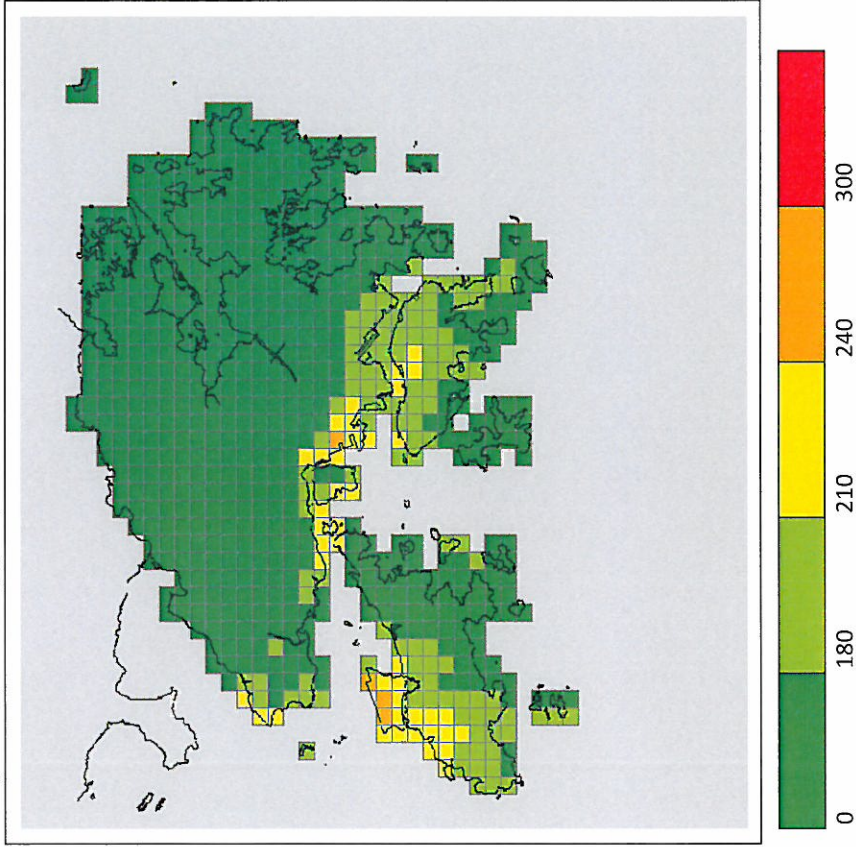
The IWMF at the Artificial Island near SKC



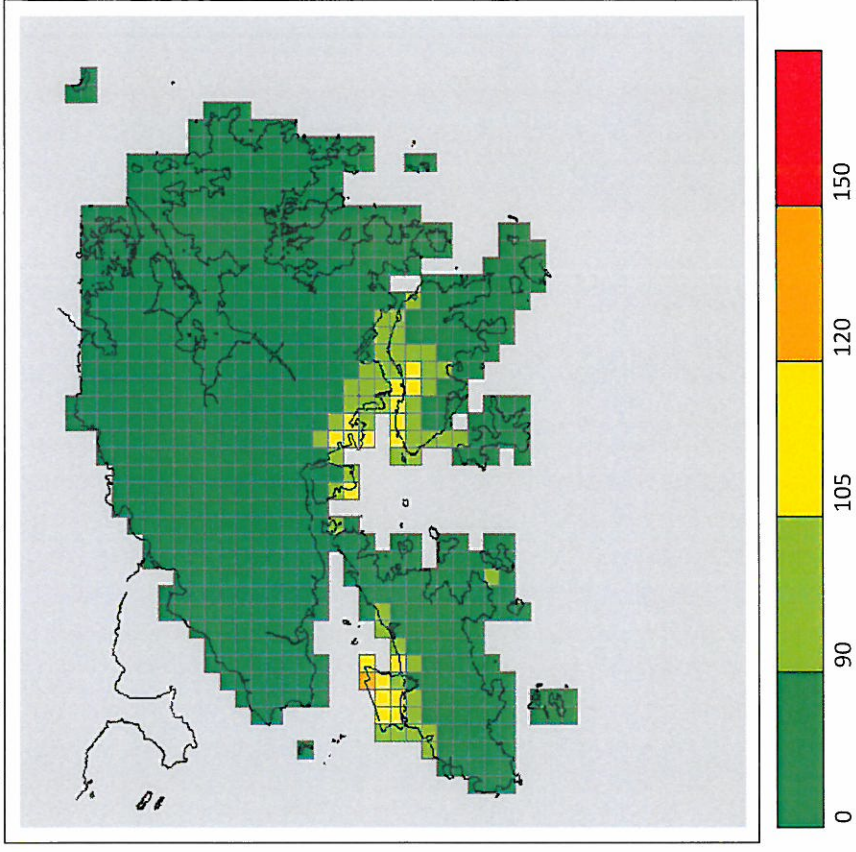
Appendix 3.11d

***Plots of the Predicted Concentration from PATH
model – The IWMF at both the TTAL Site & the
Artificial Island near SKC***

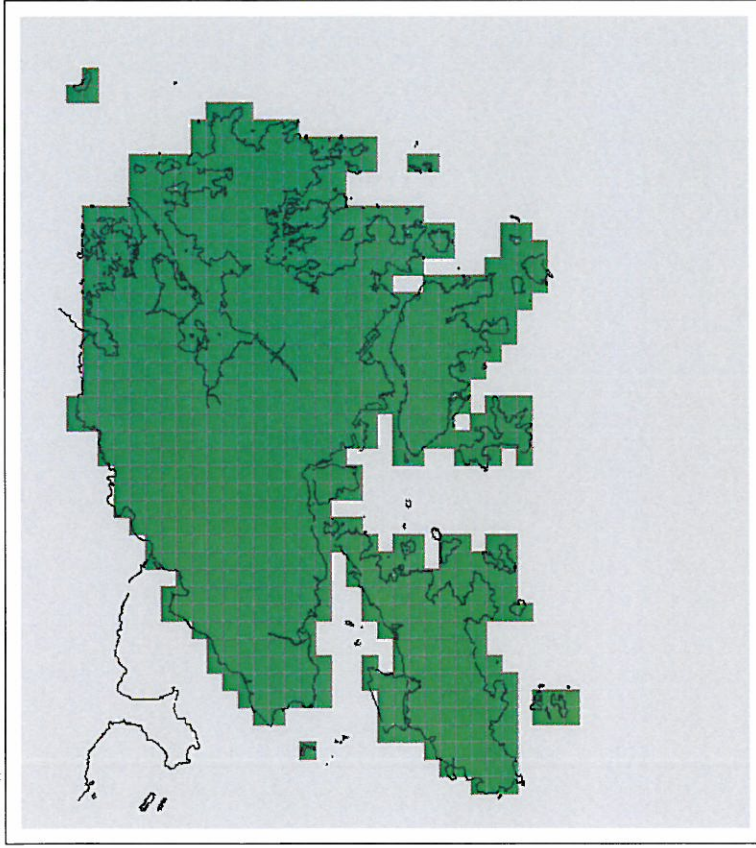
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



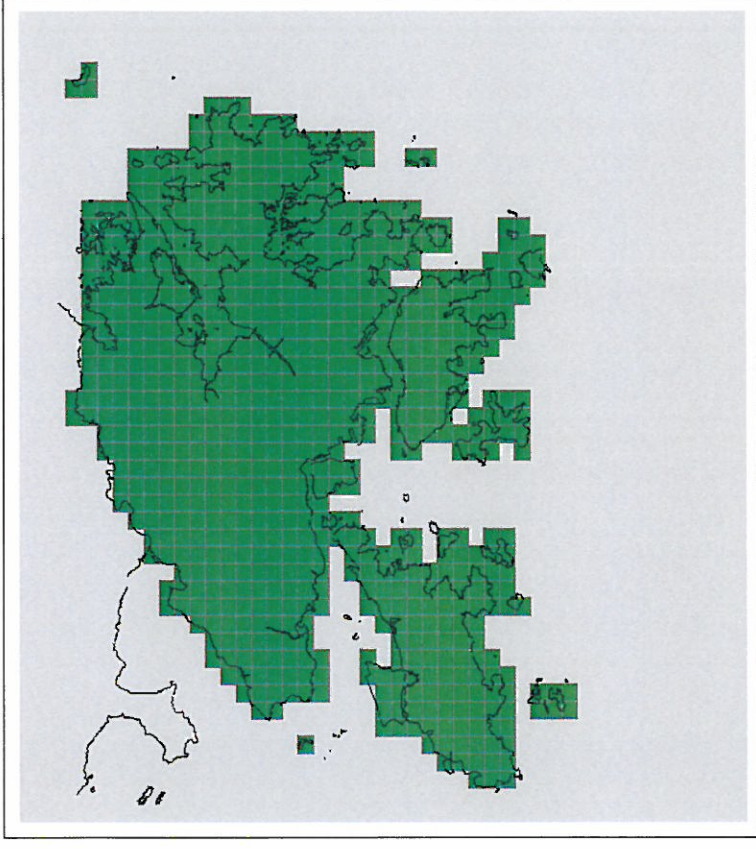
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



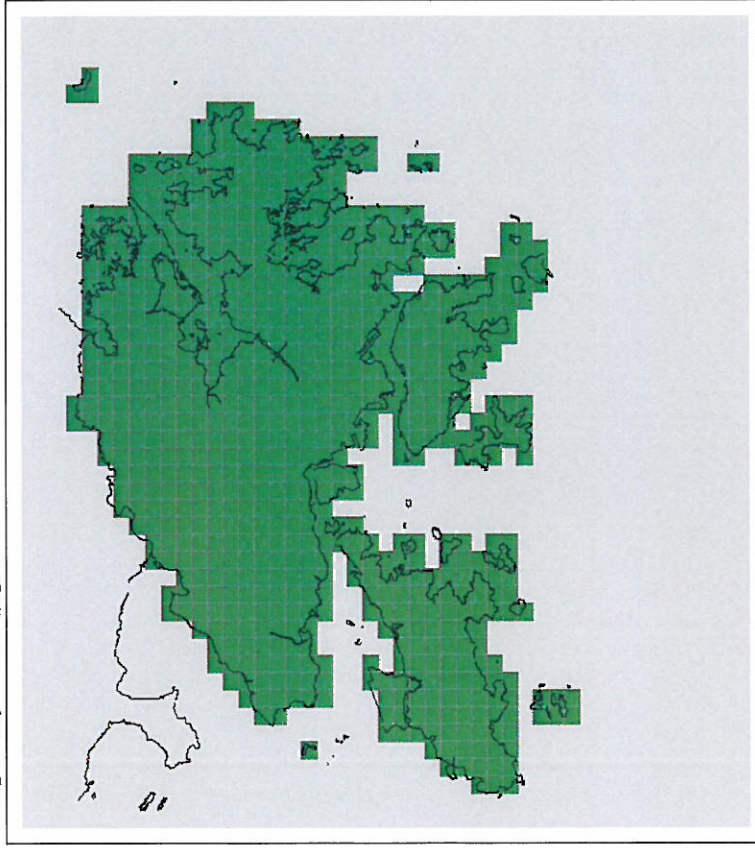
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



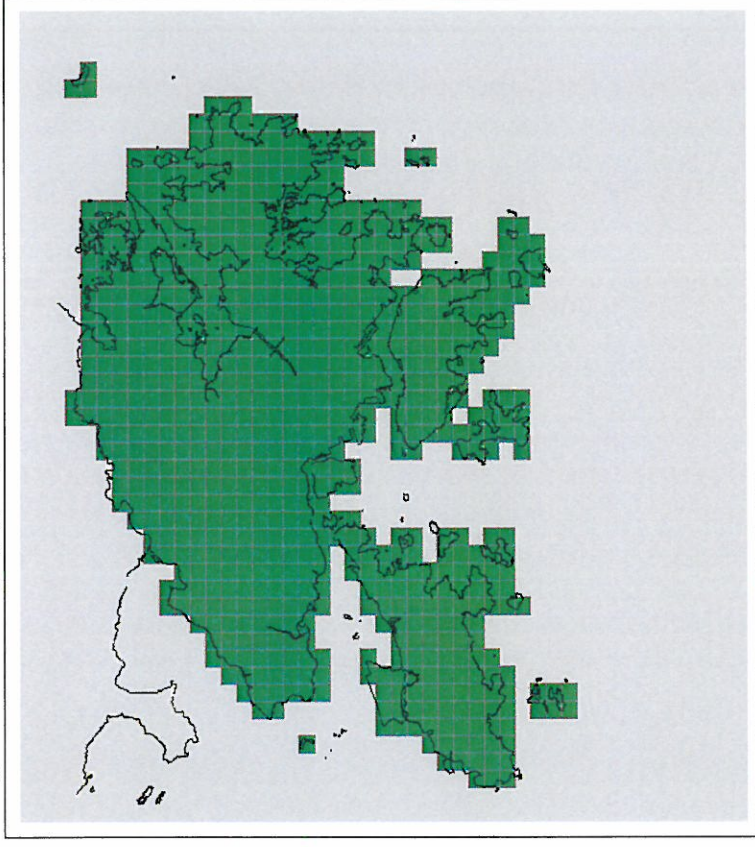
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



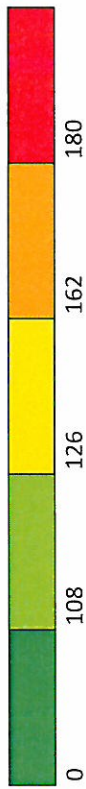
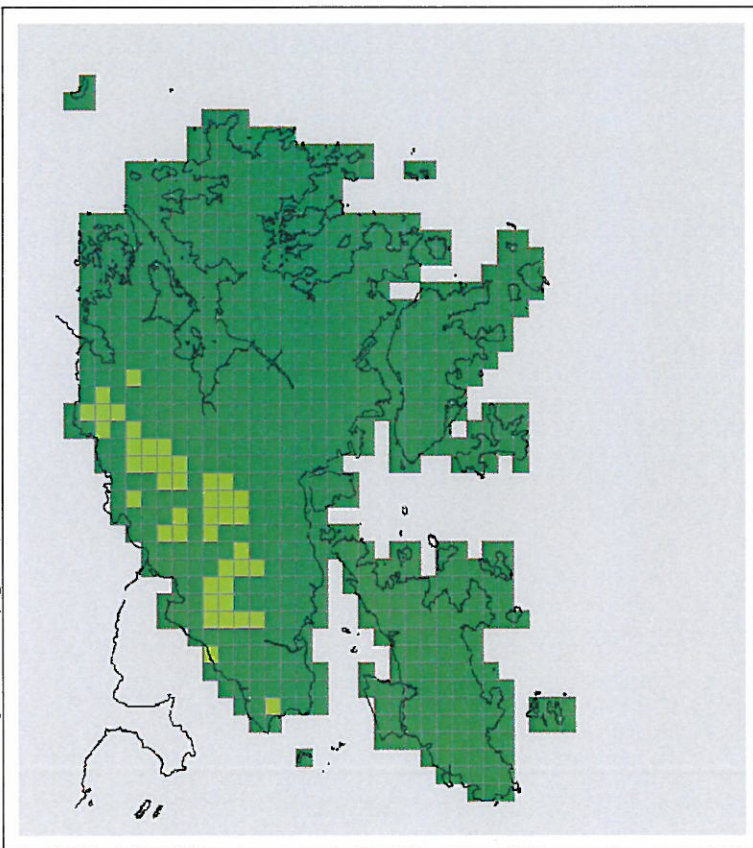
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

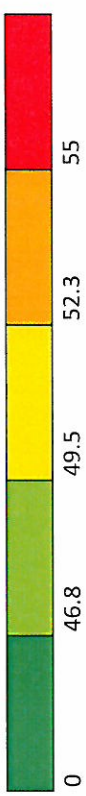
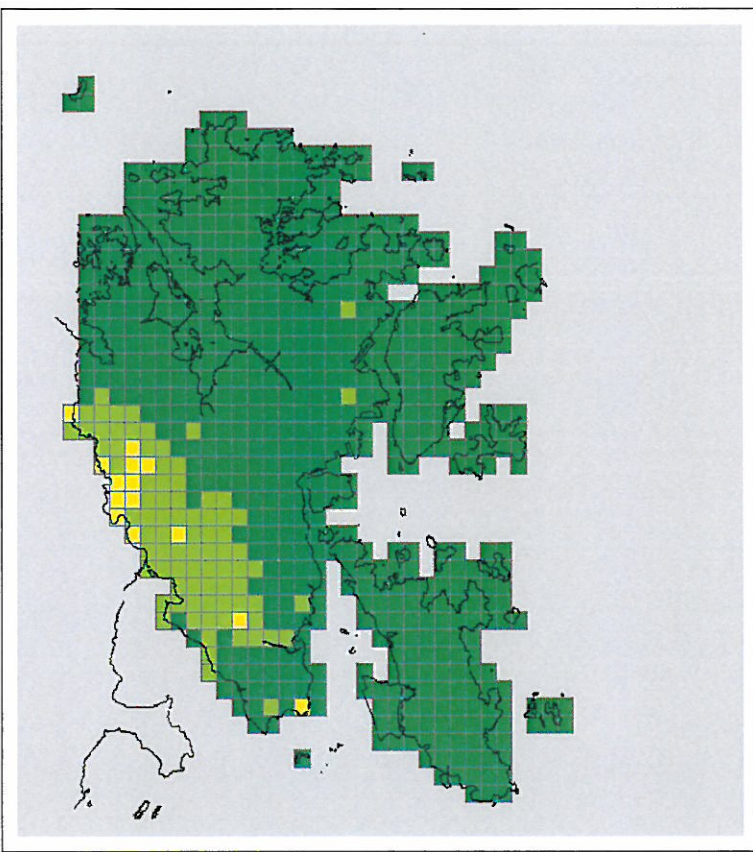
(0 - 19m above ground)



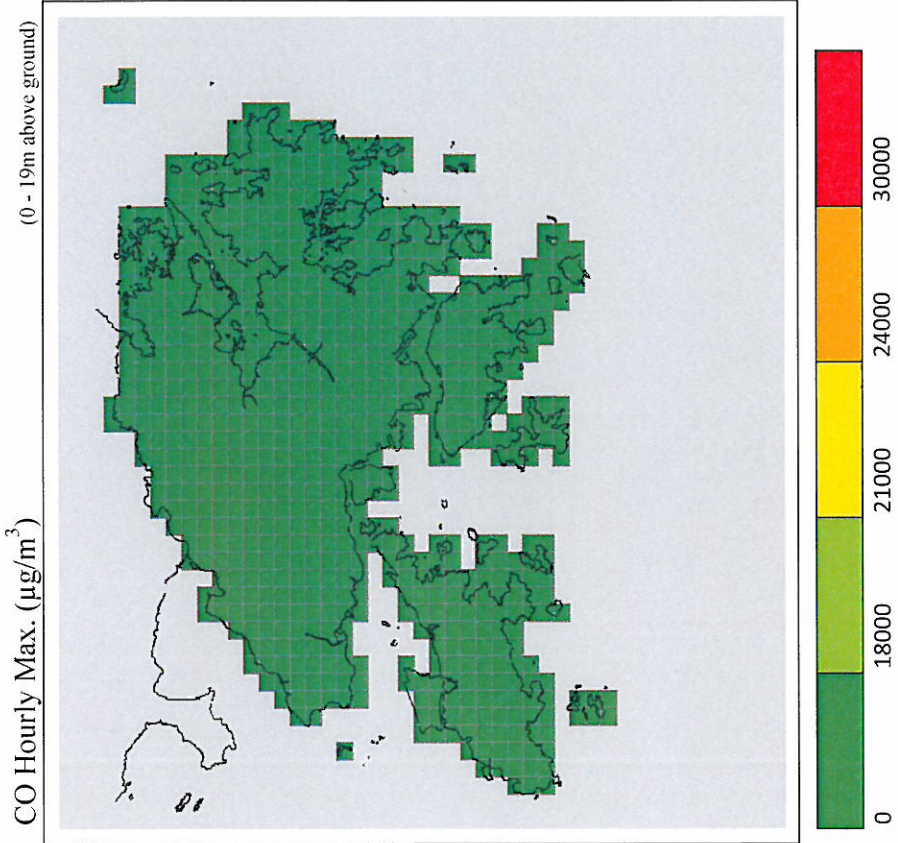
The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

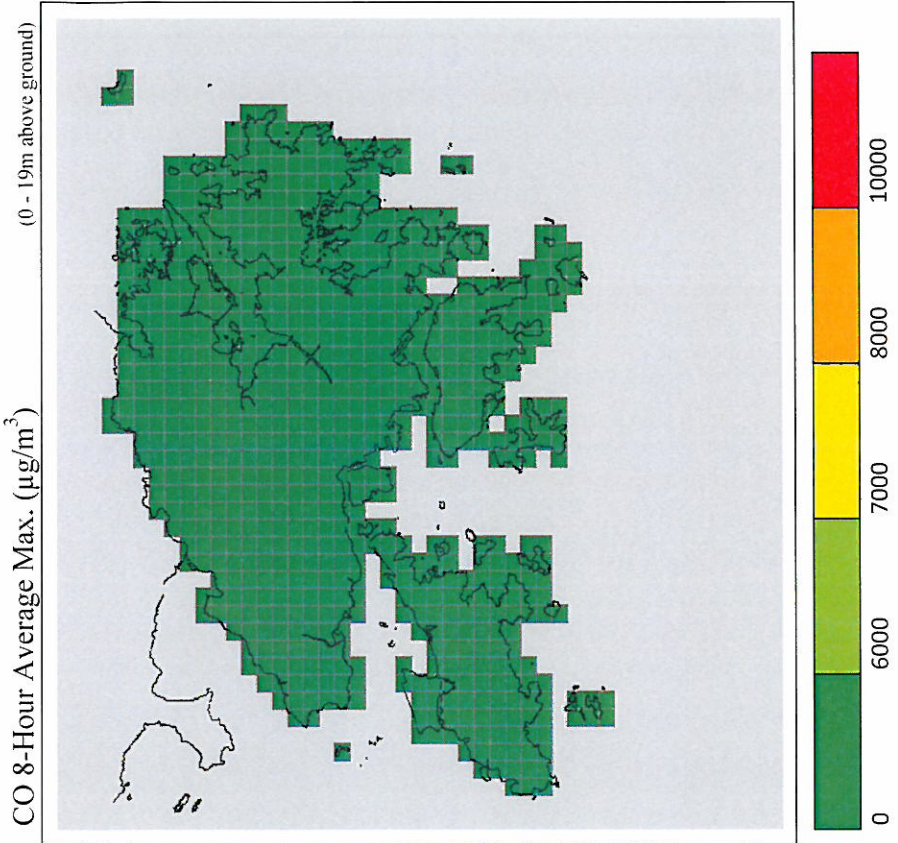
(0 - 19m above ground)



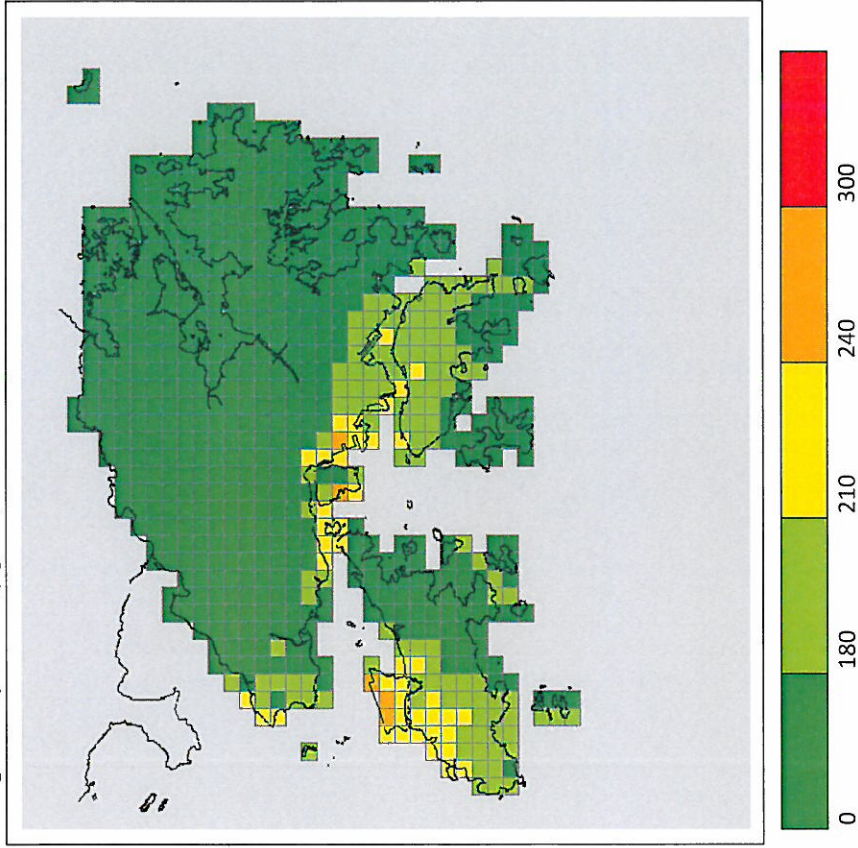
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO Hourly Max. ($\mu\text{g}/\text{m}^3$)



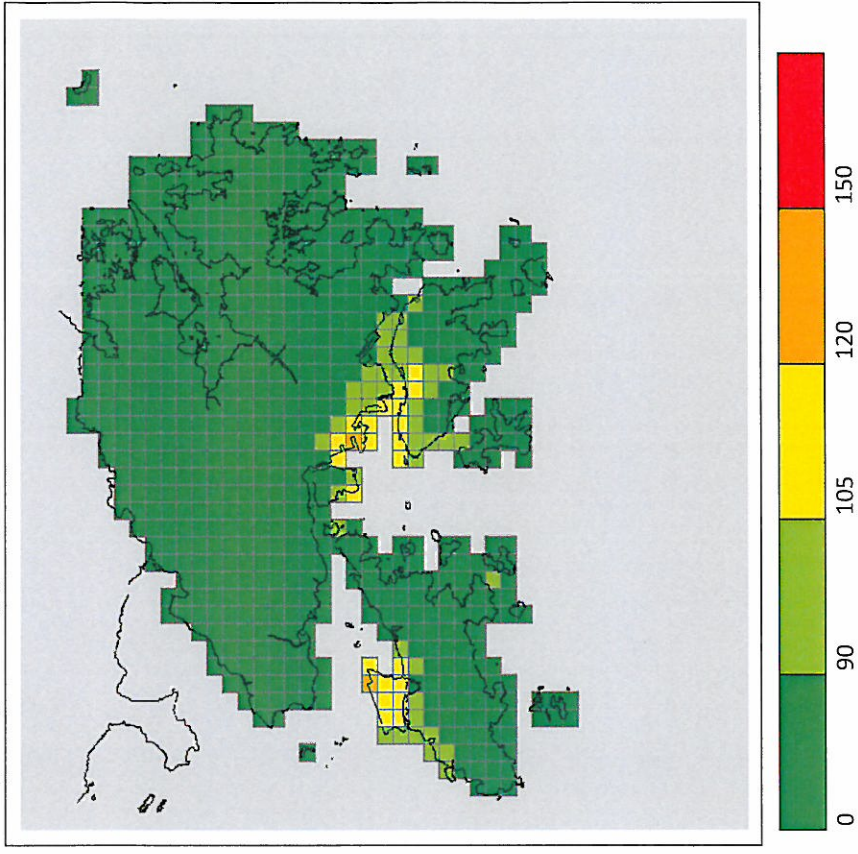
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)



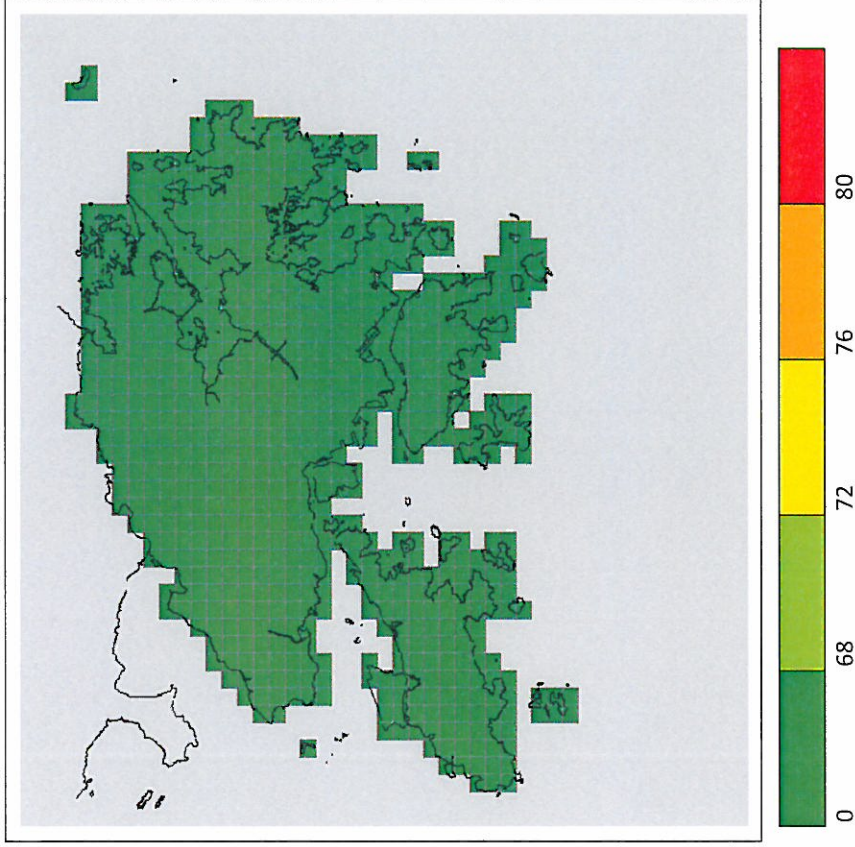
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



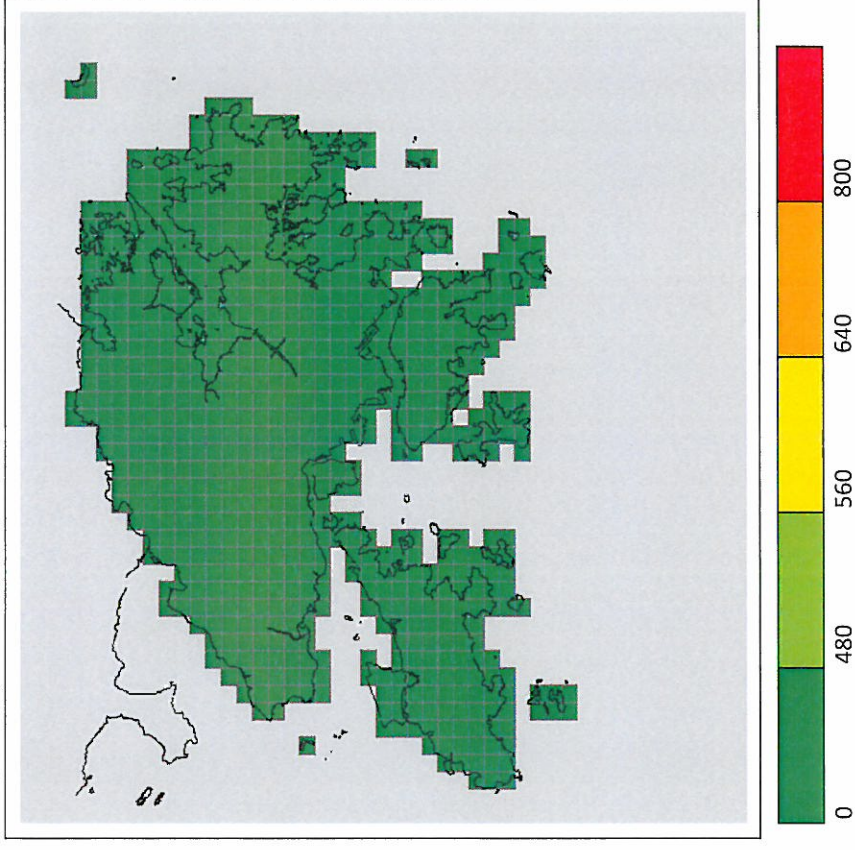
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



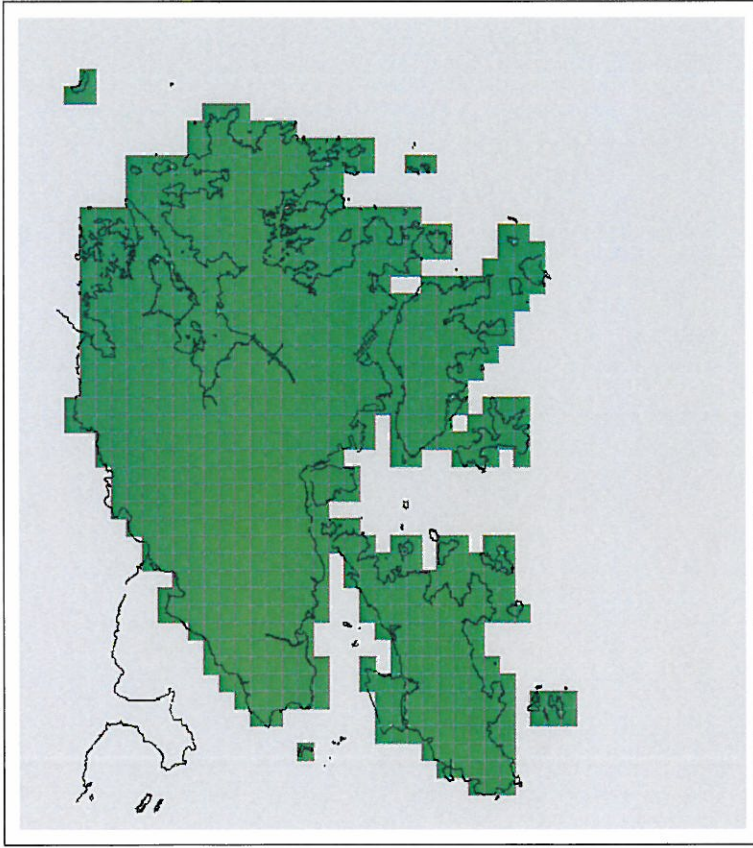
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



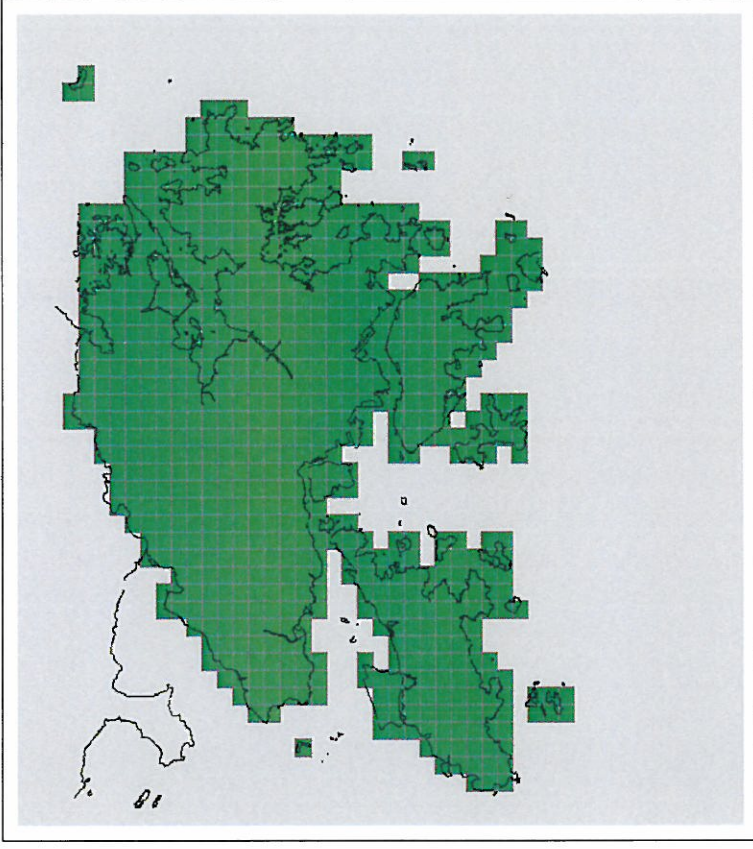
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



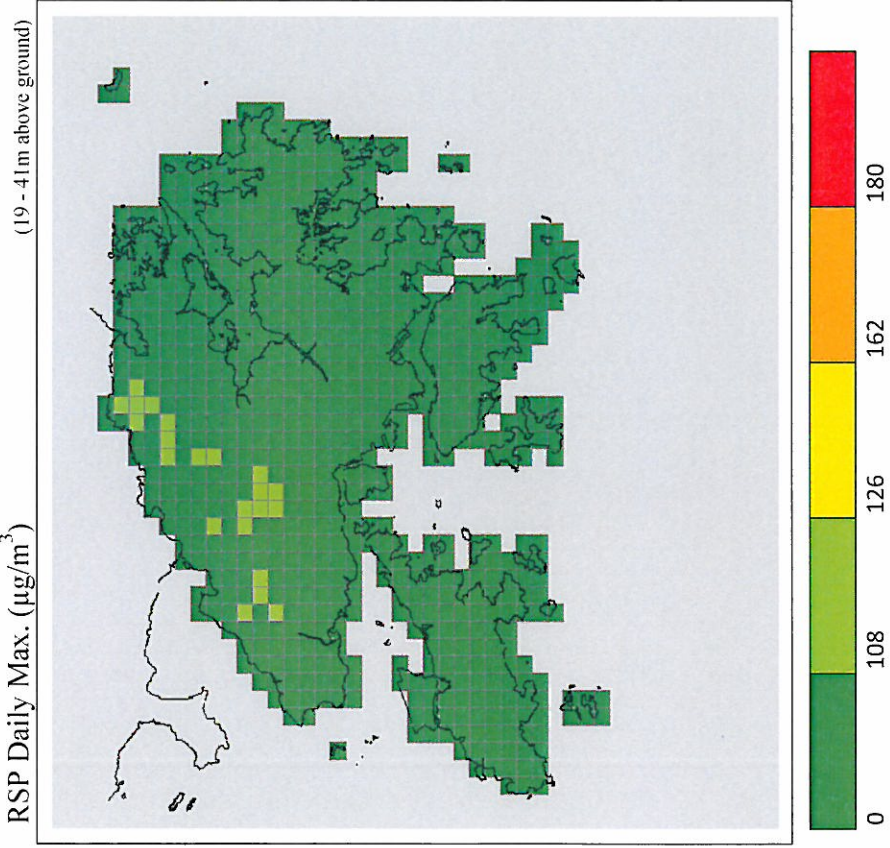
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



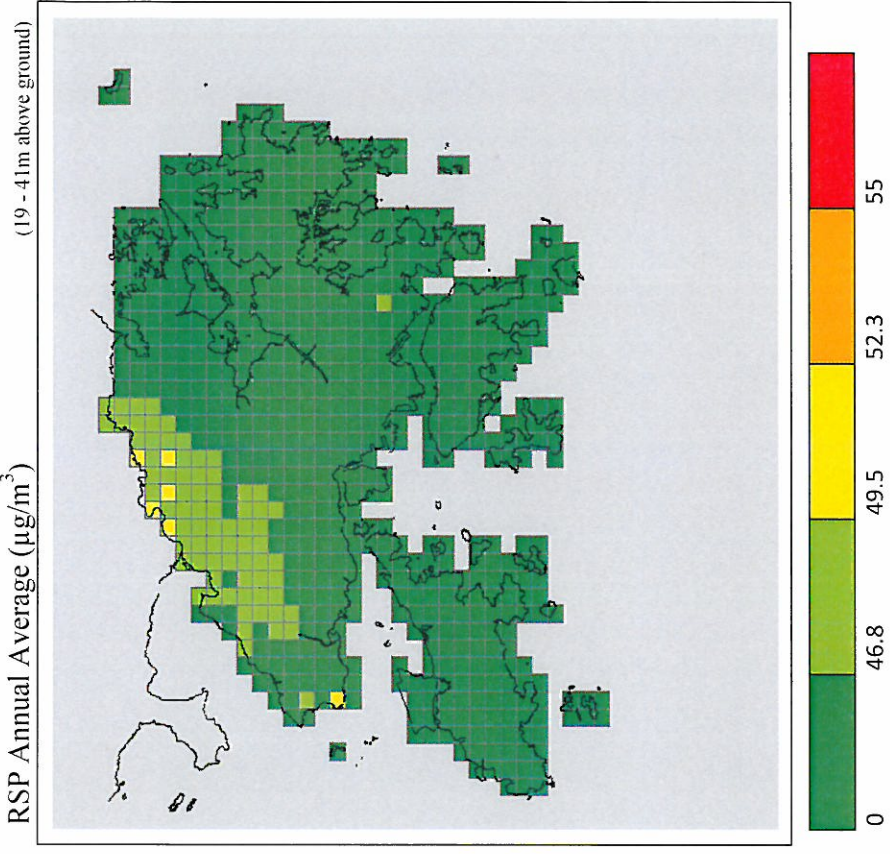
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



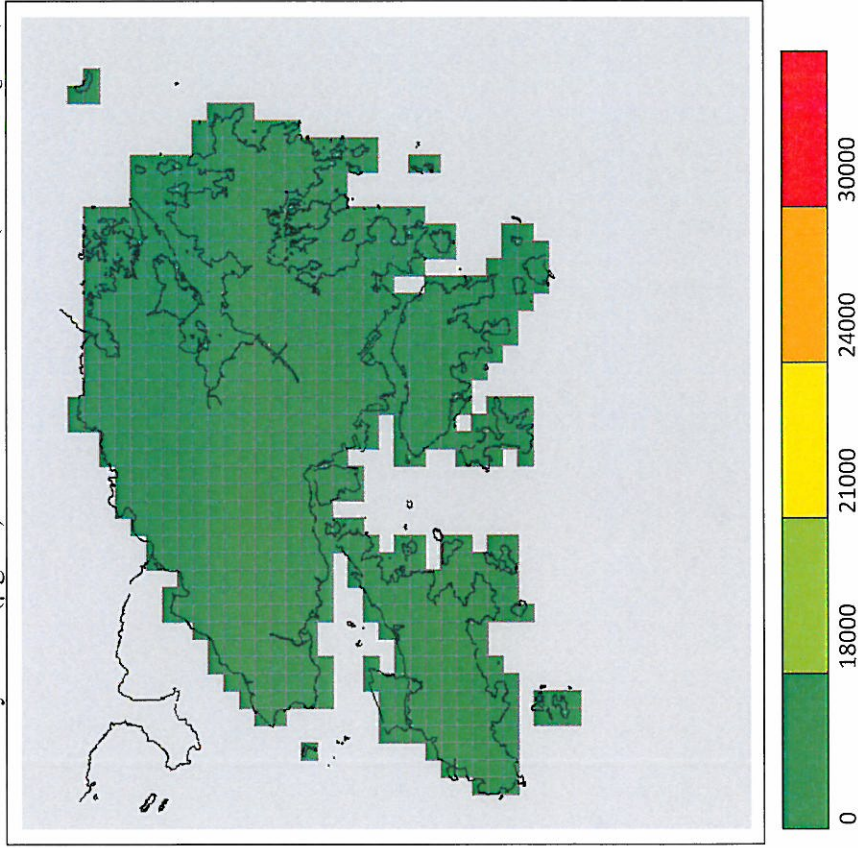
The IWMF at both the TTAL Site & the Artificial Island near SKC
RSP Daily Max. ($\mu\text{g}/\text{m}^3$)



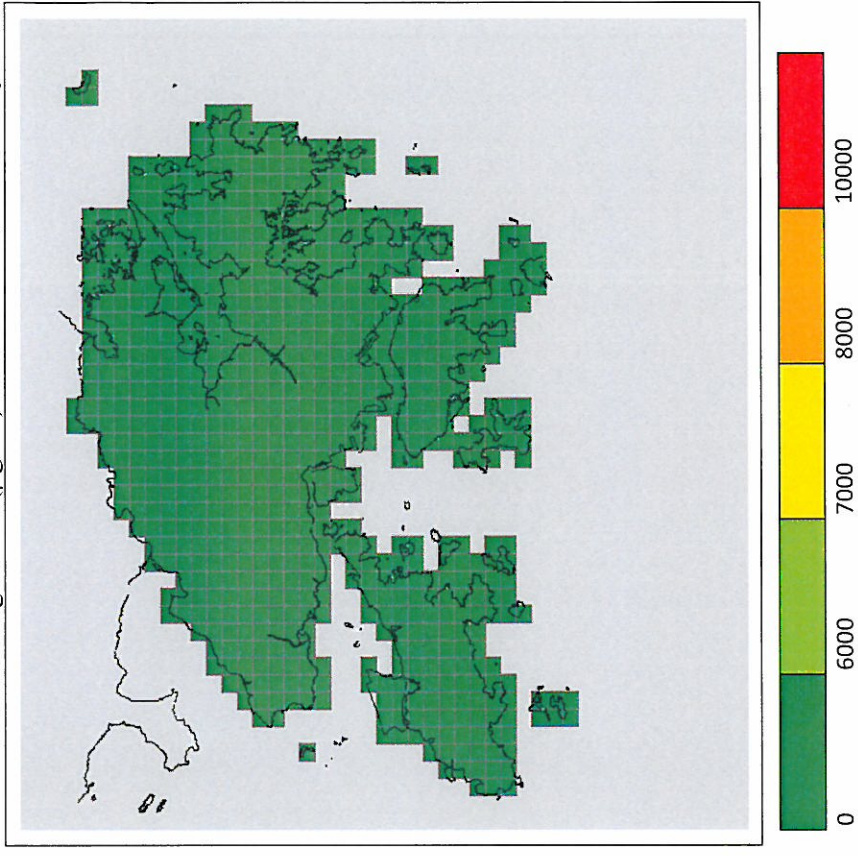
The IWMF at both the TTAL Site & the Artificial Island near SKC
RSP Annual Average ($\mu\text{g}/\text{m}^3$)



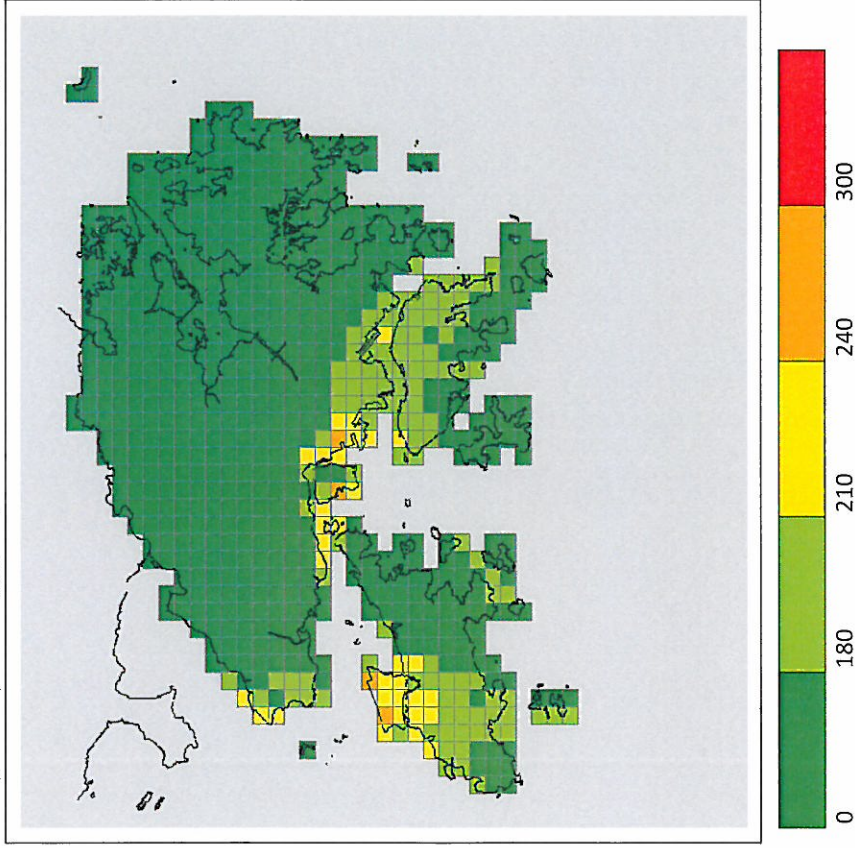
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO Hourly Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



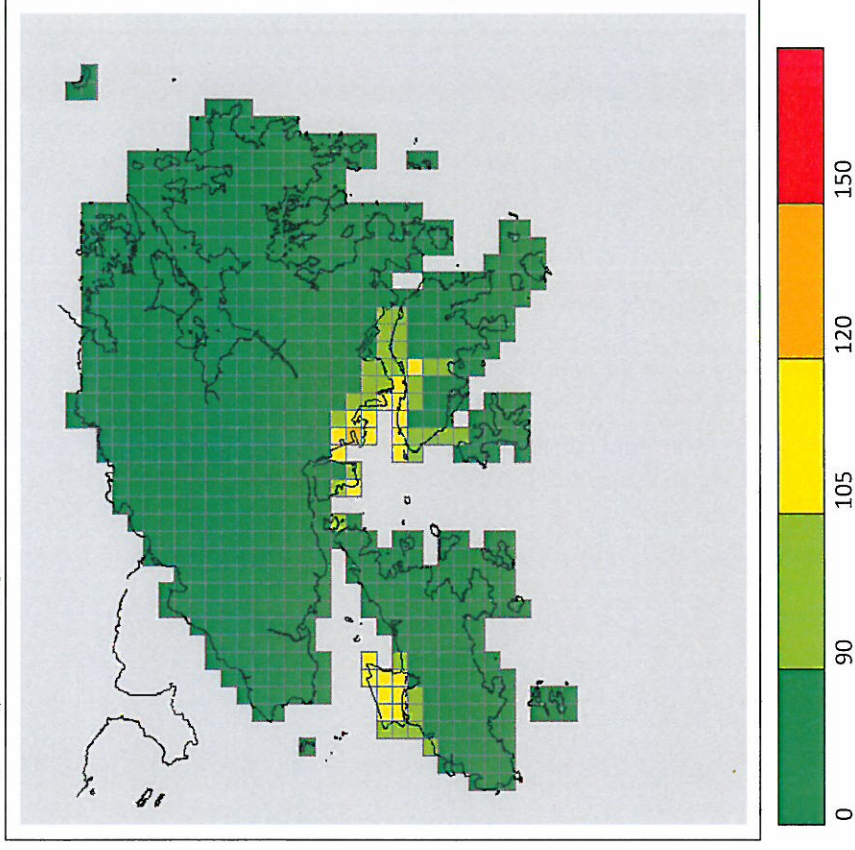
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)
(19 - 41m above ground)



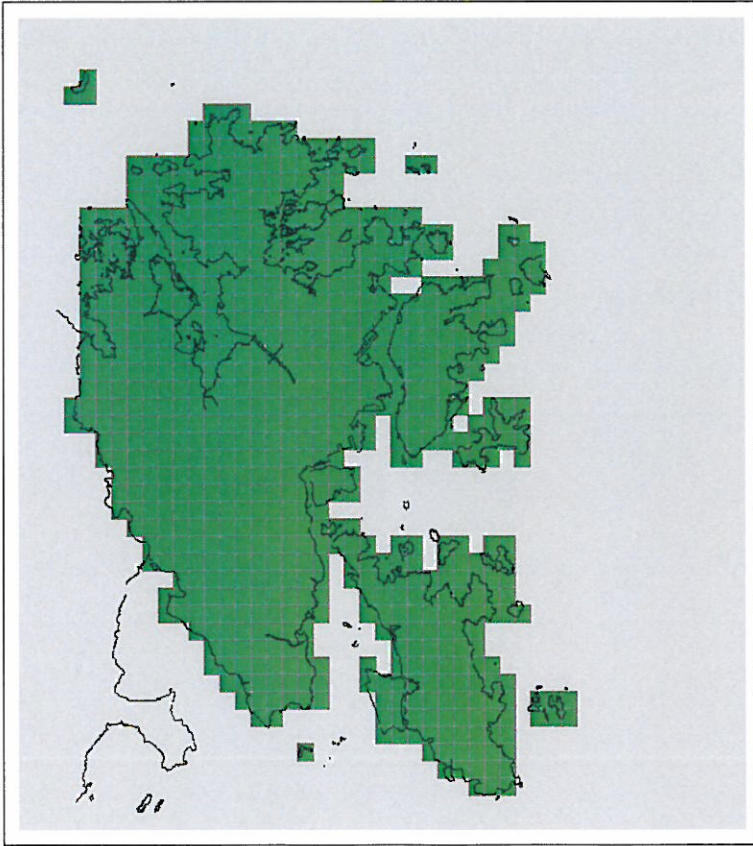
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



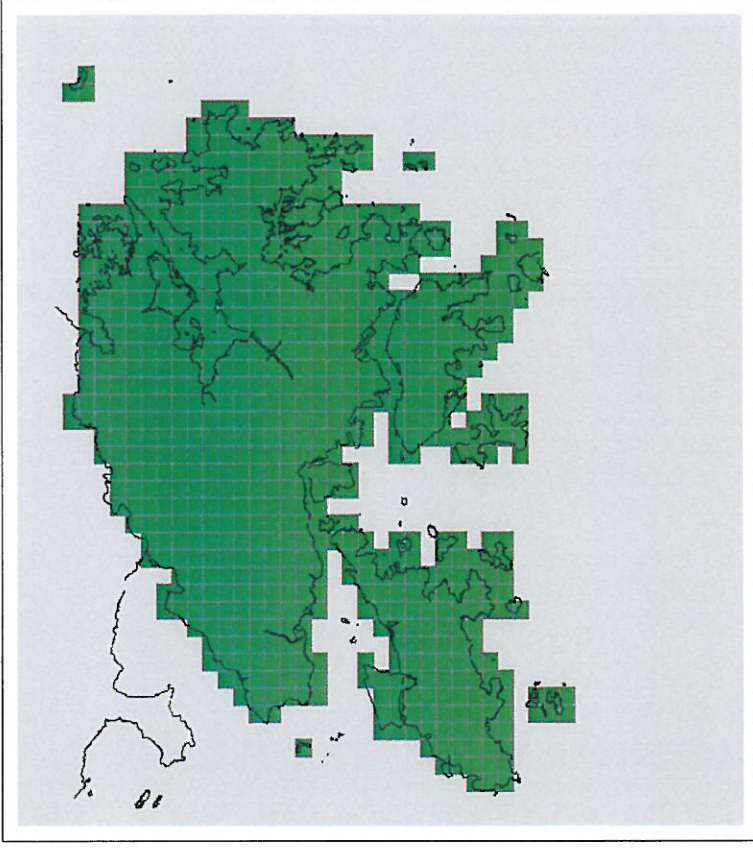
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



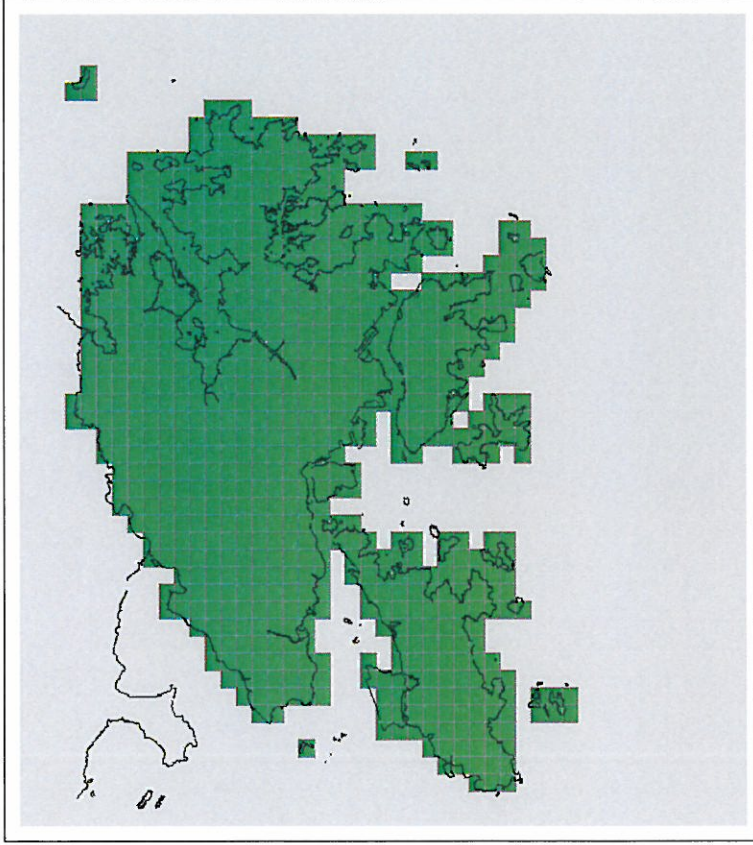
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



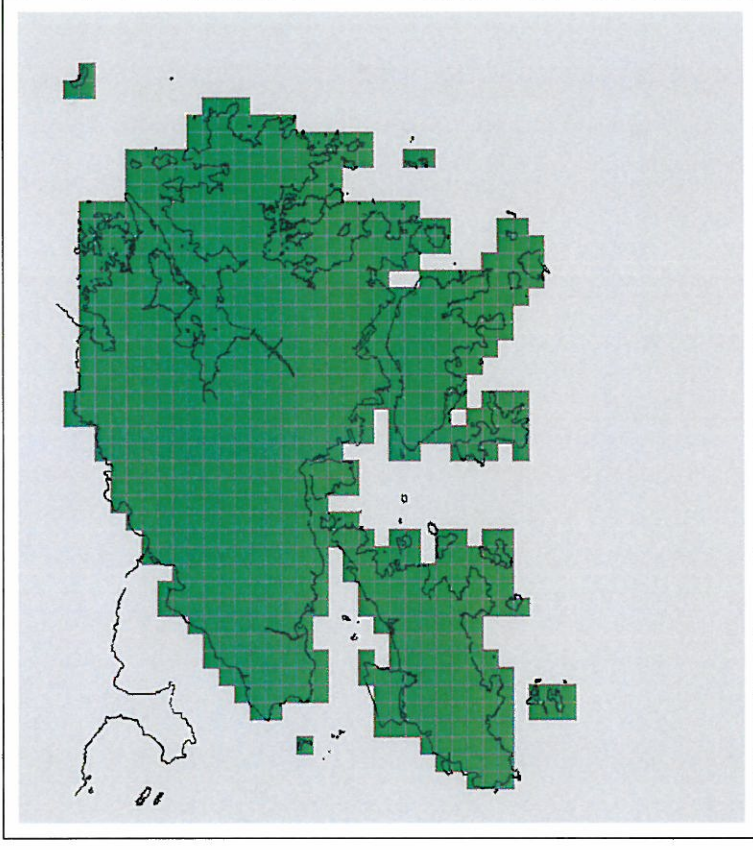
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



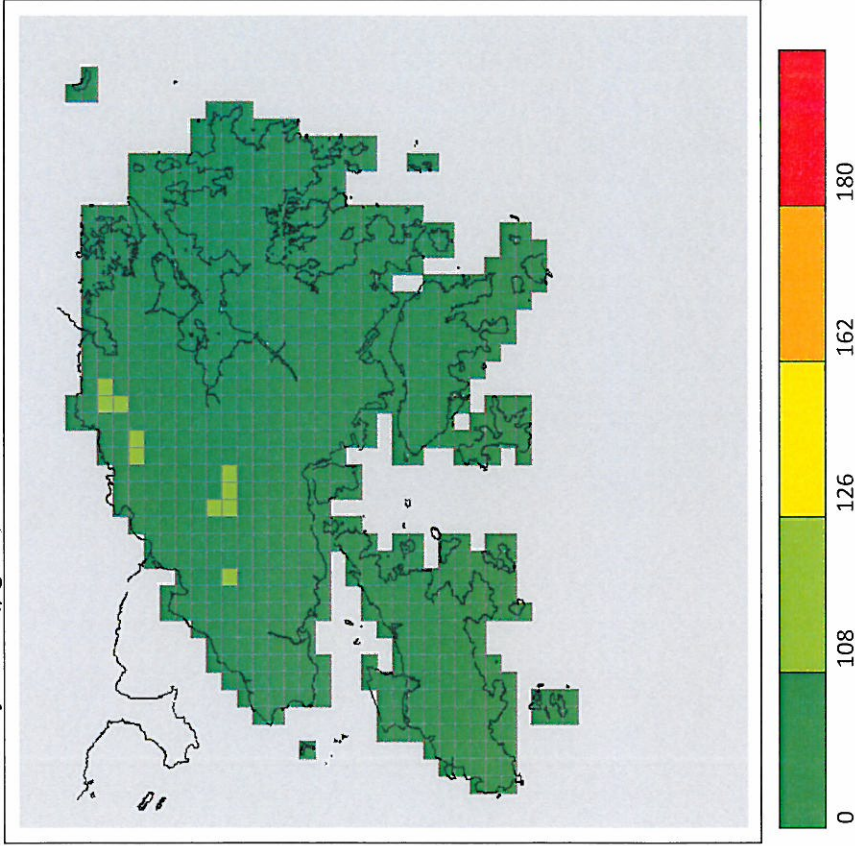
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



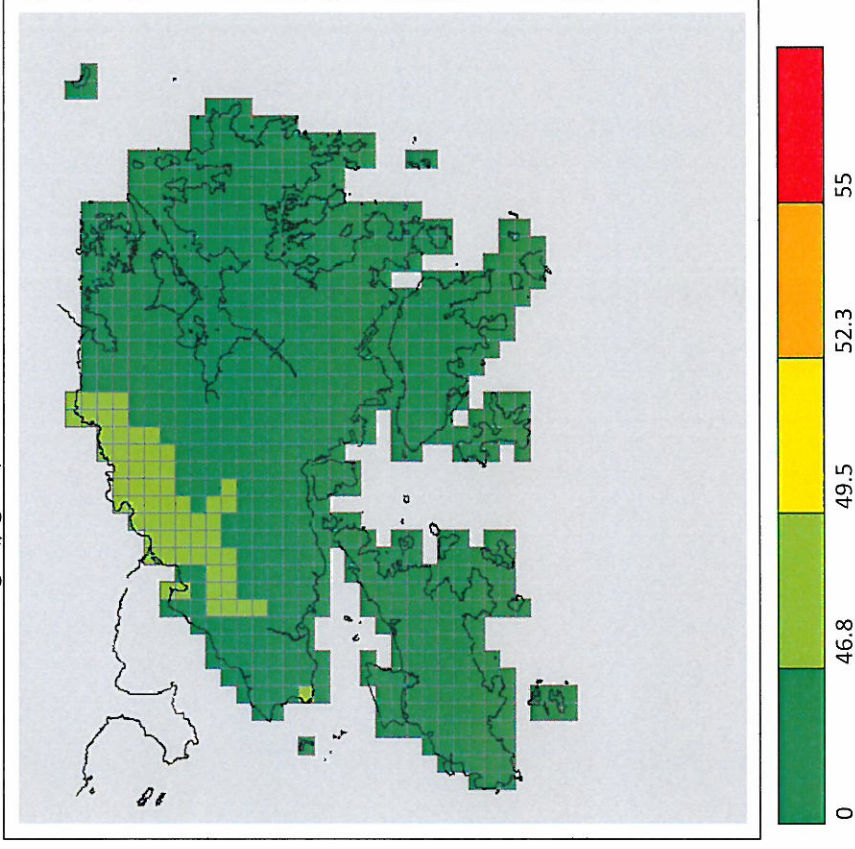
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



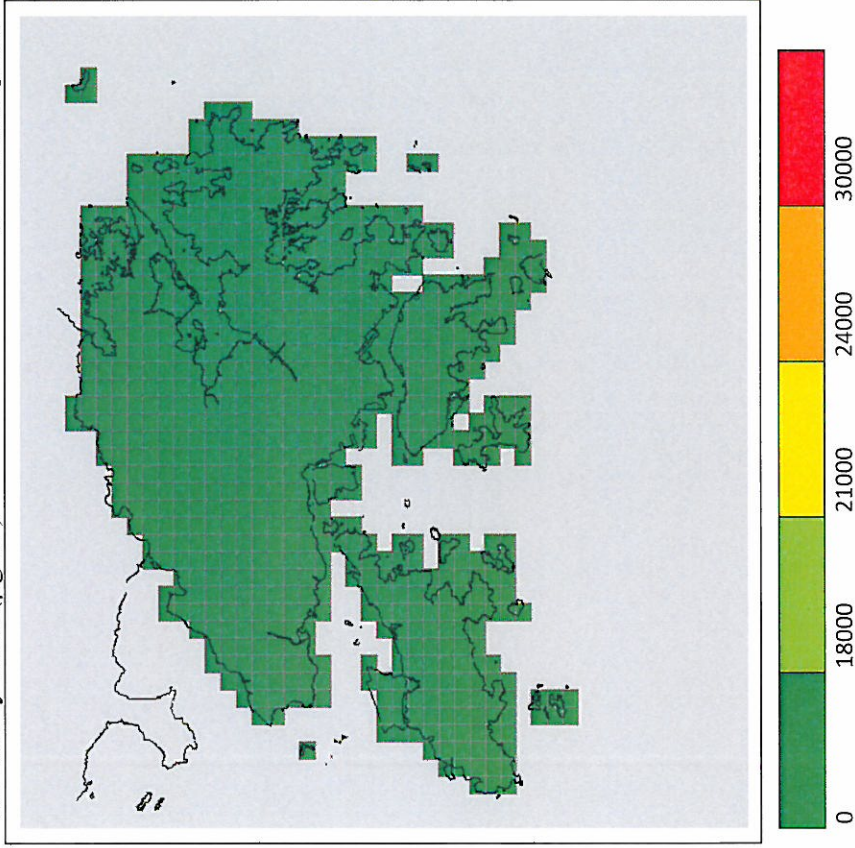
The IWMF at both the TTAL Site & the Artificial Island near SKC
RSP Daily Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



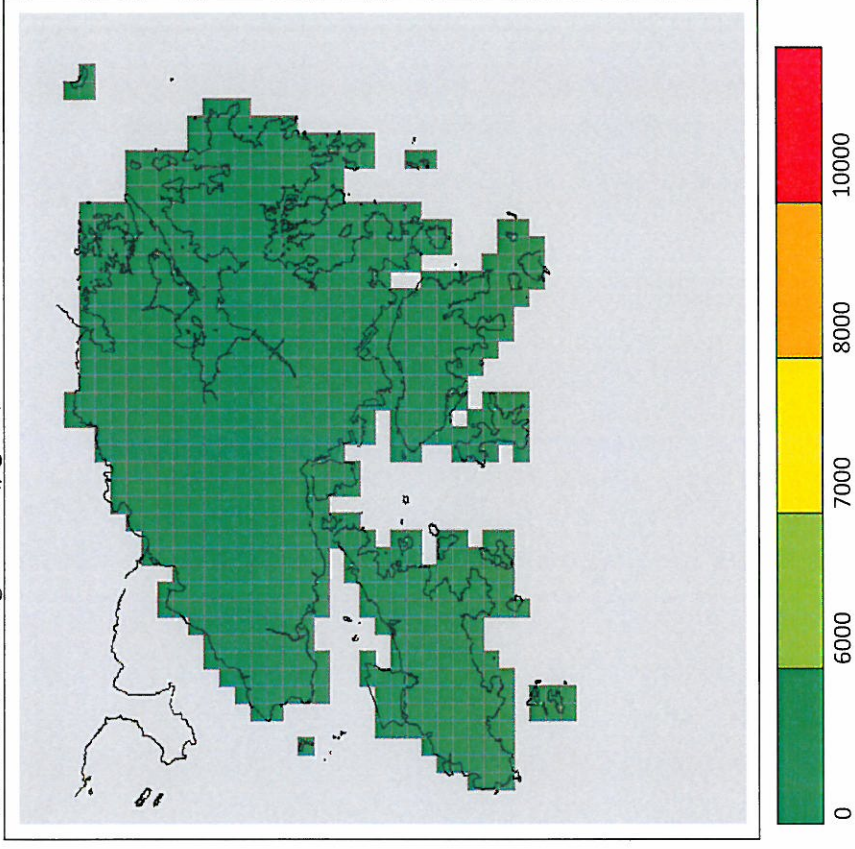
The IWMF at both the TTAL Site & the Artificial Island near SKC
RSP Annual Average ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



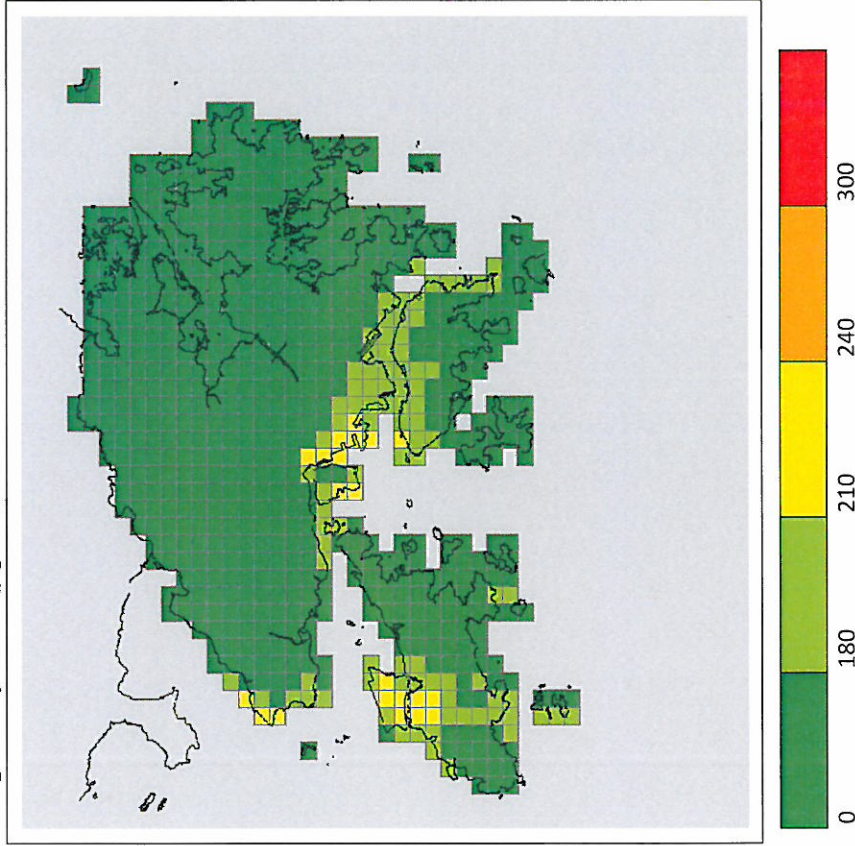
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO Hourly Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



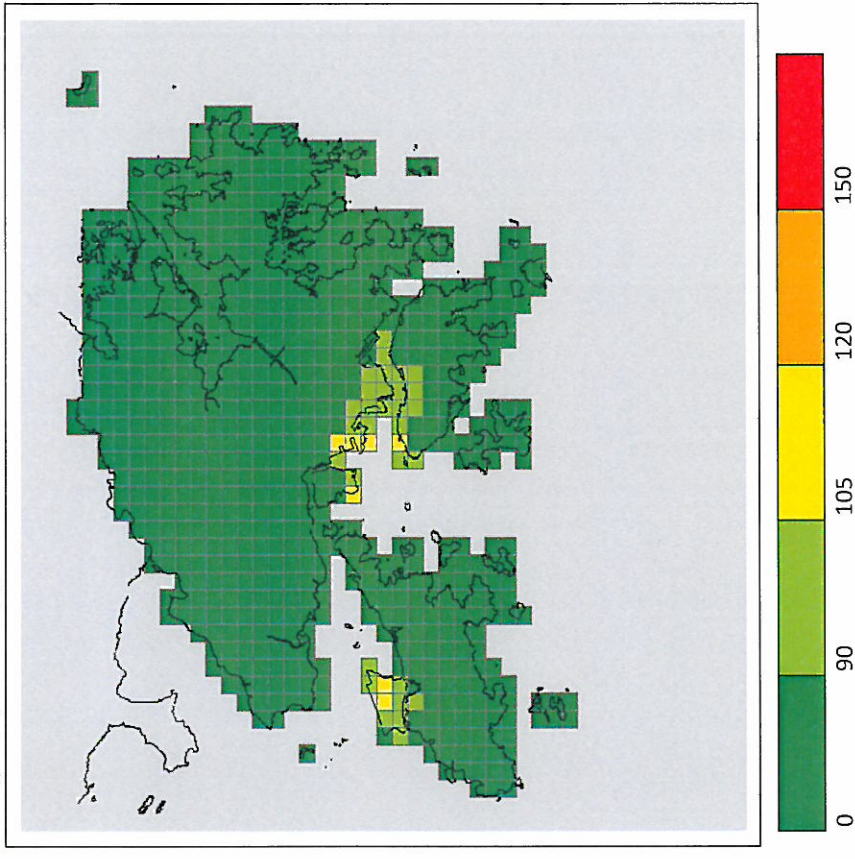
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)



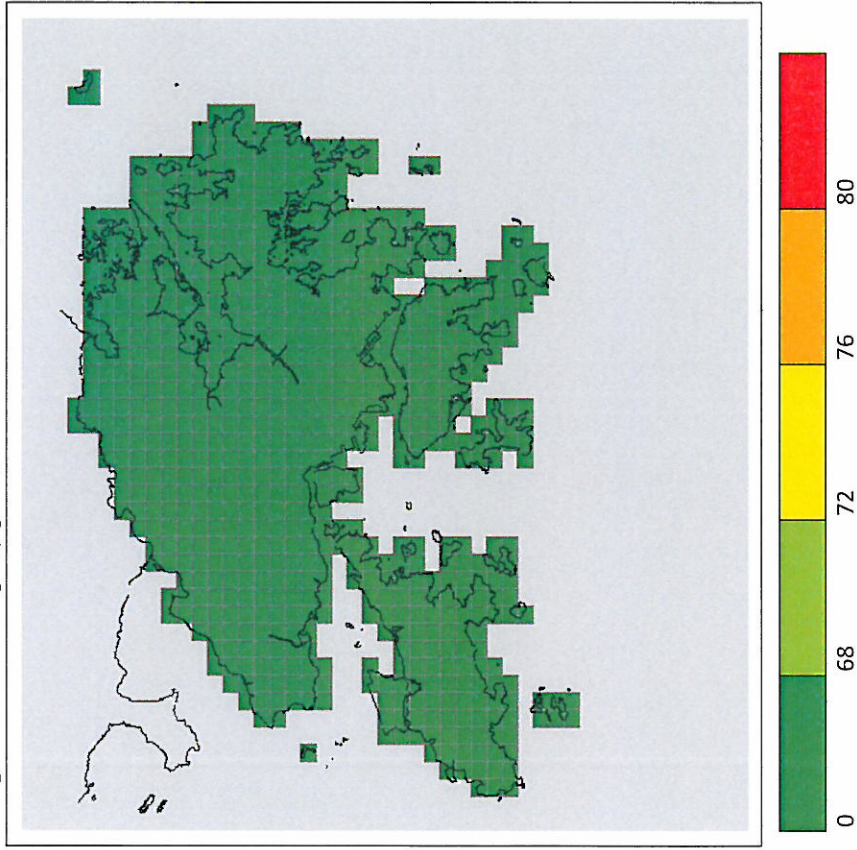
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



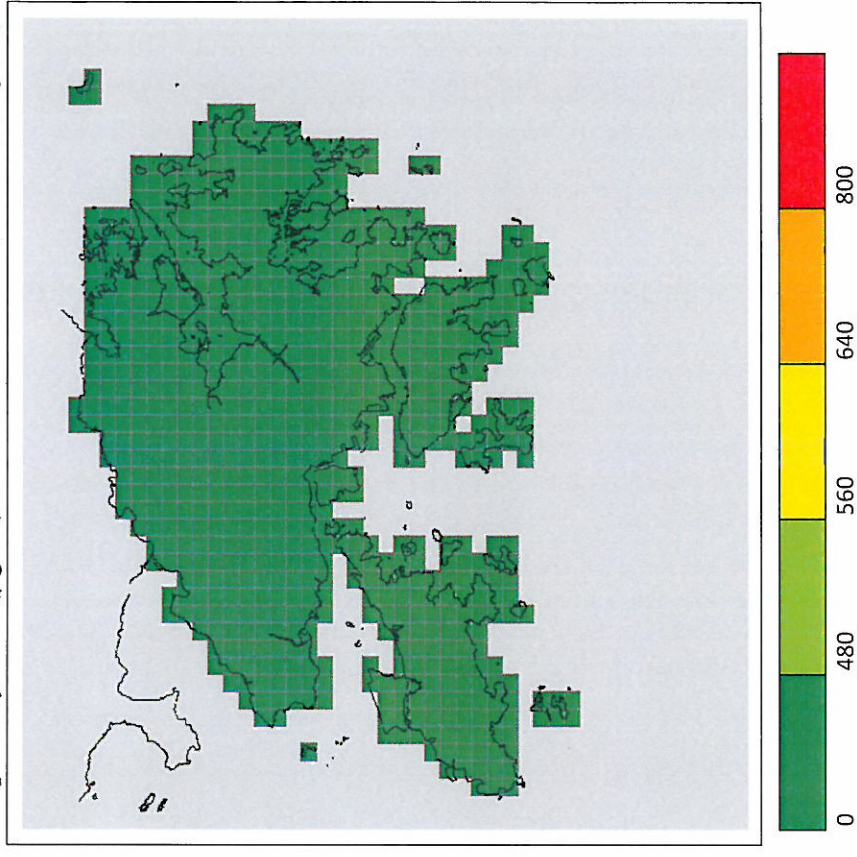
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



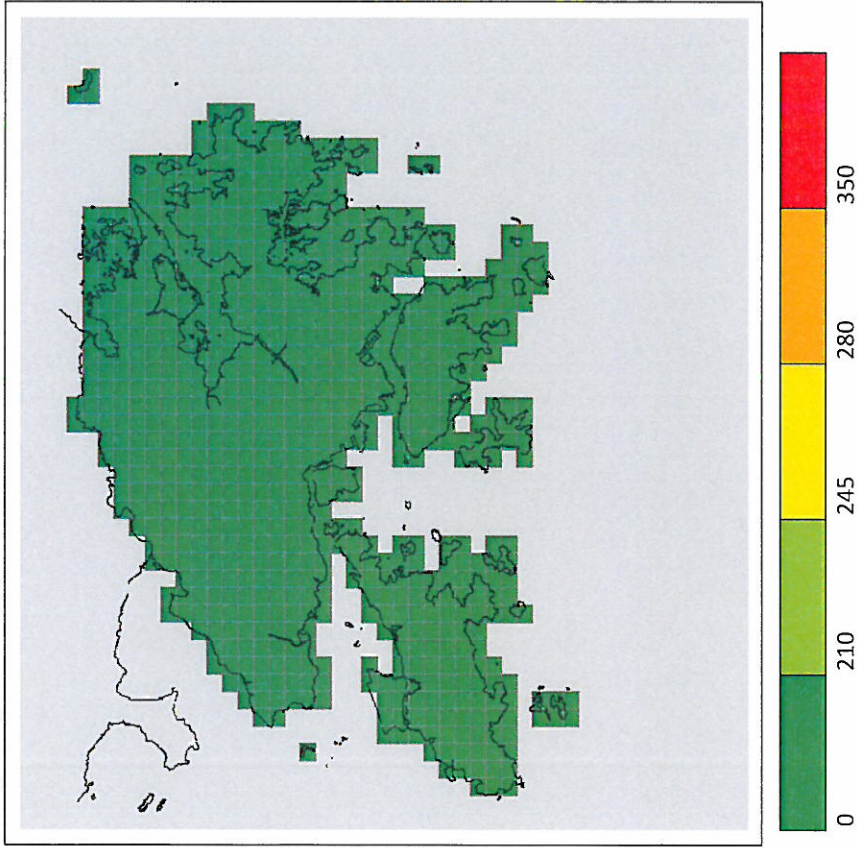
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



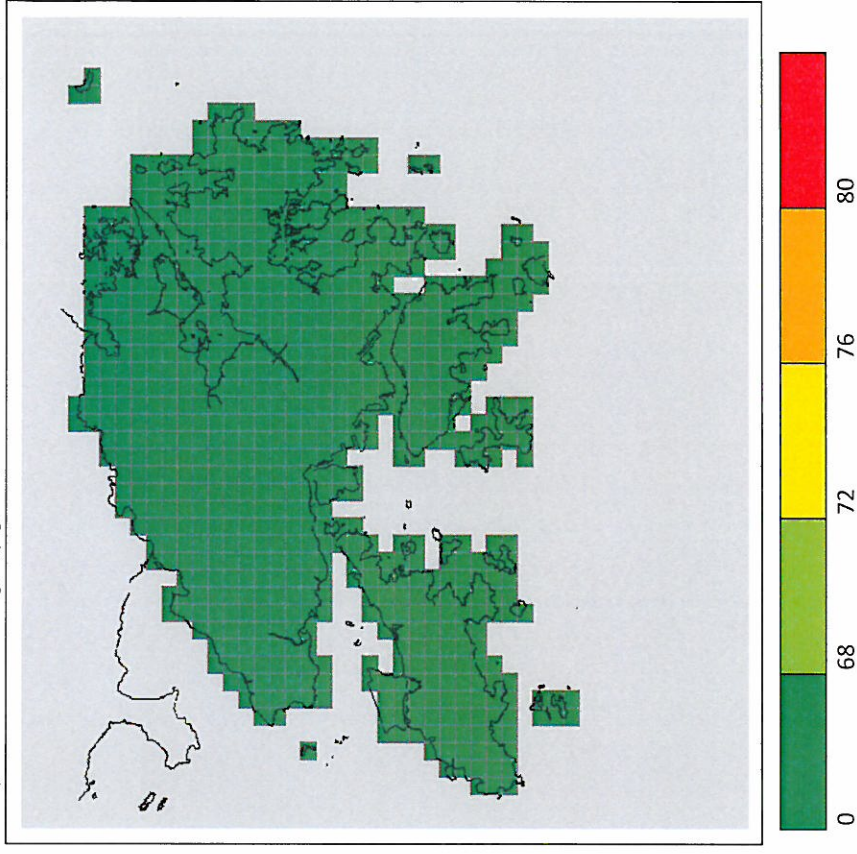
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



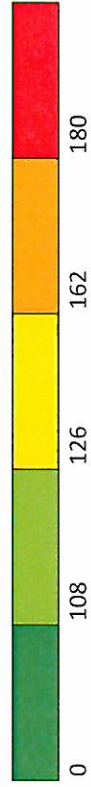
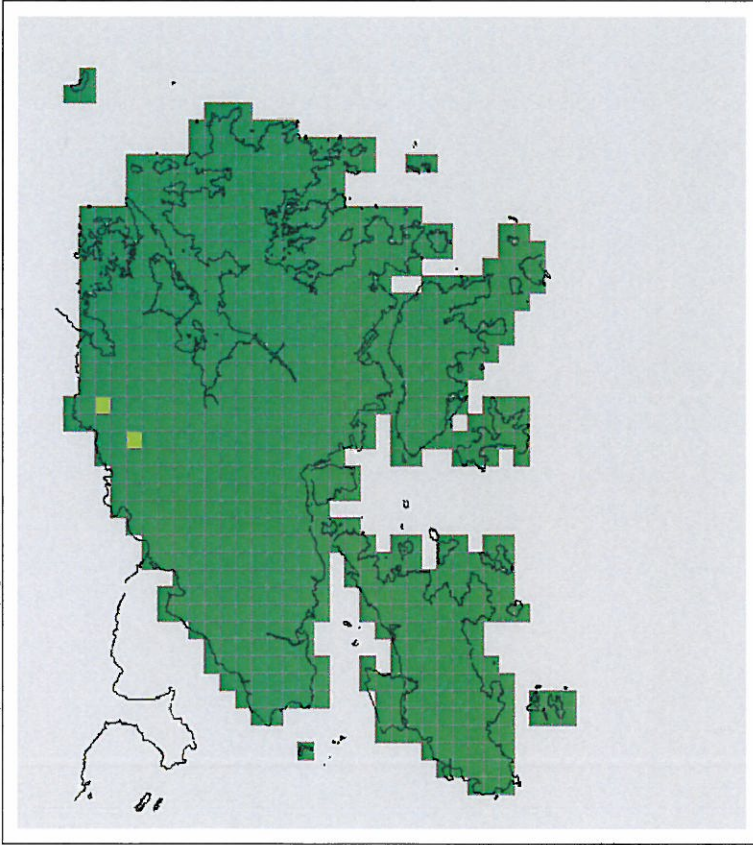
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(79 - 120m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

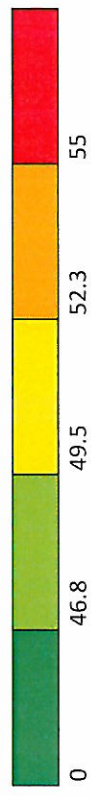
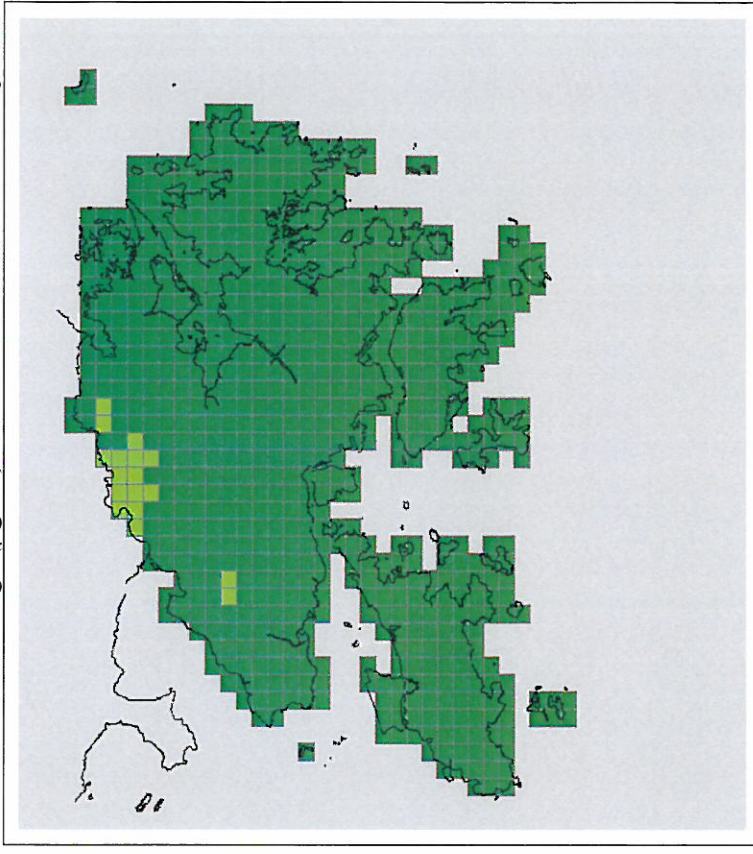
(79 - 120m above ground)



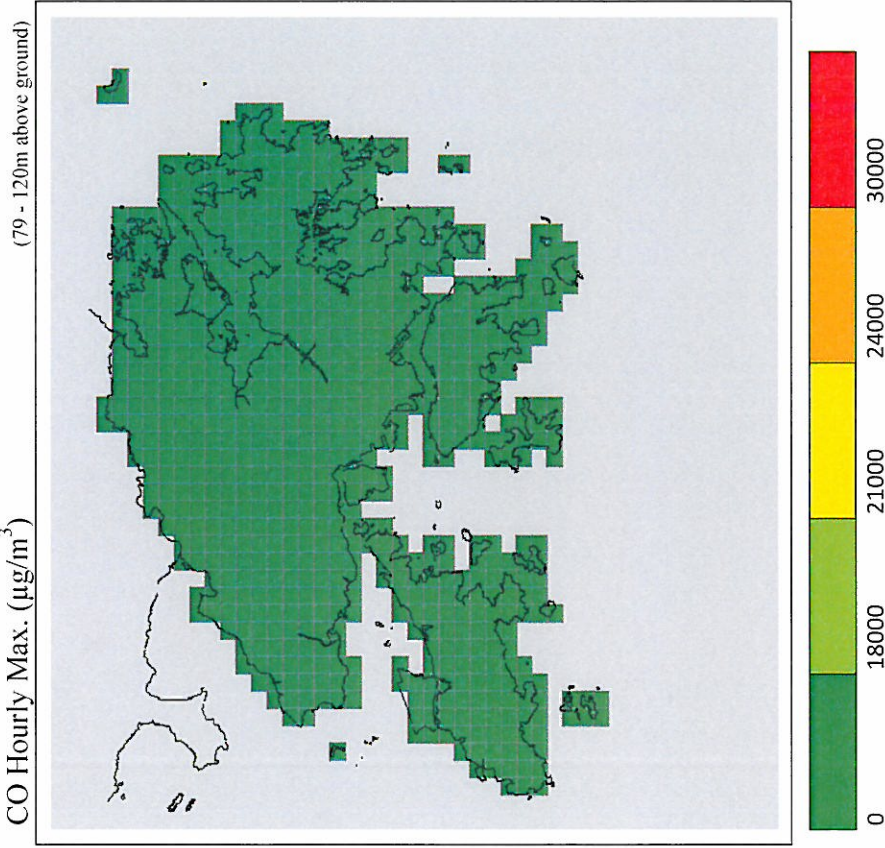
The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

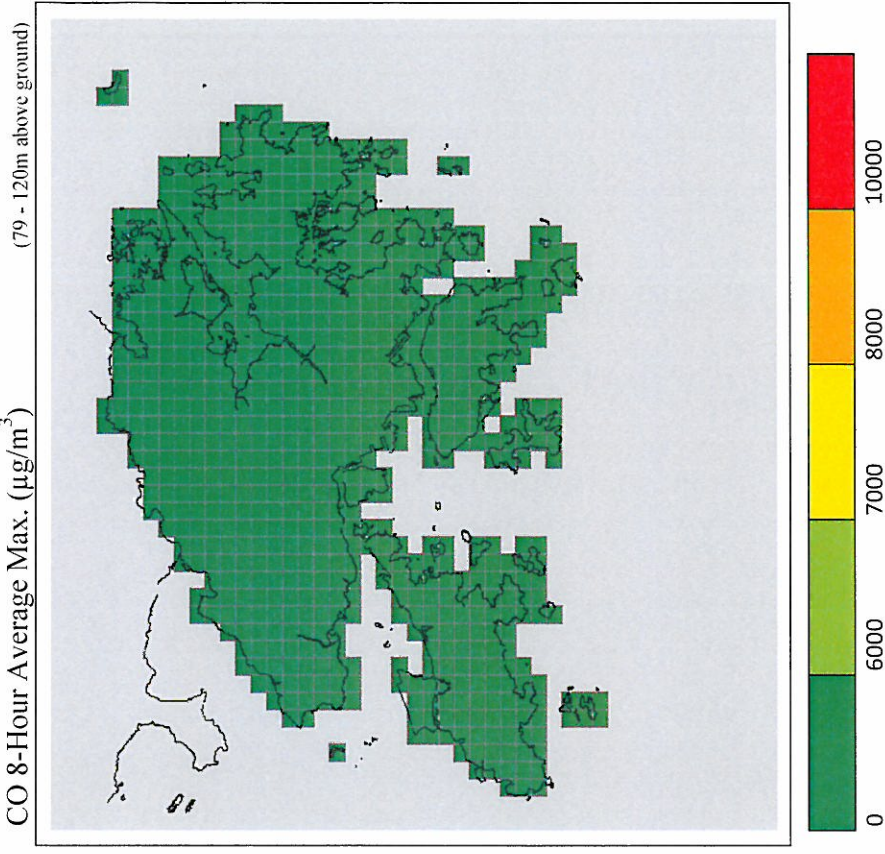
(79 - 120m above ground)



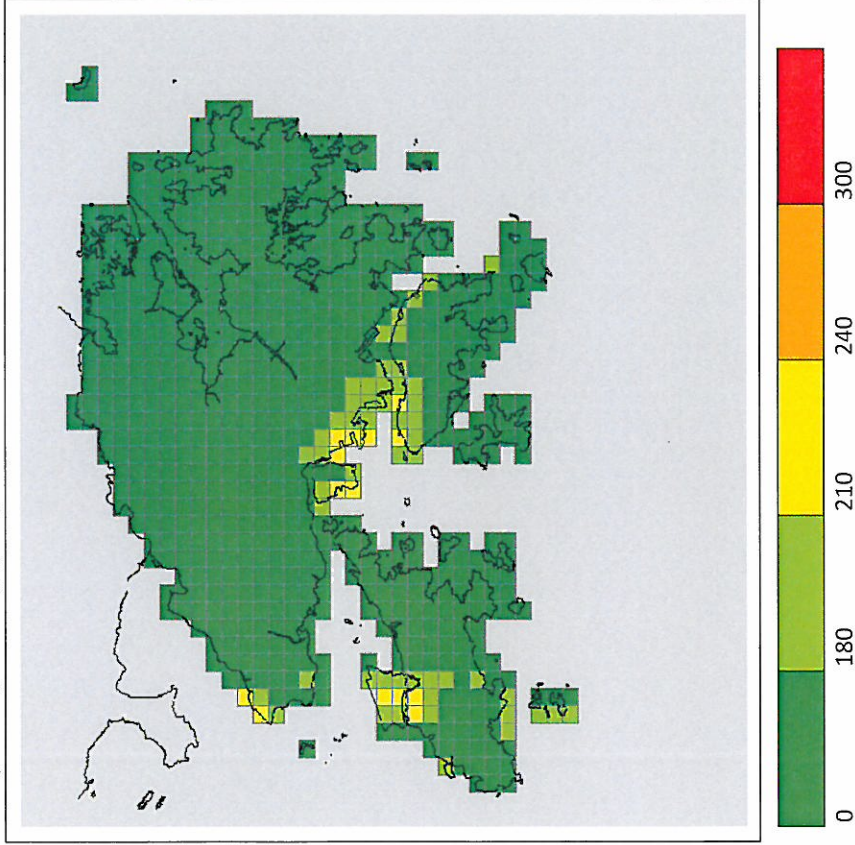
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO Hourly Max. ($\mu\text{g}/\text{m}^3$)



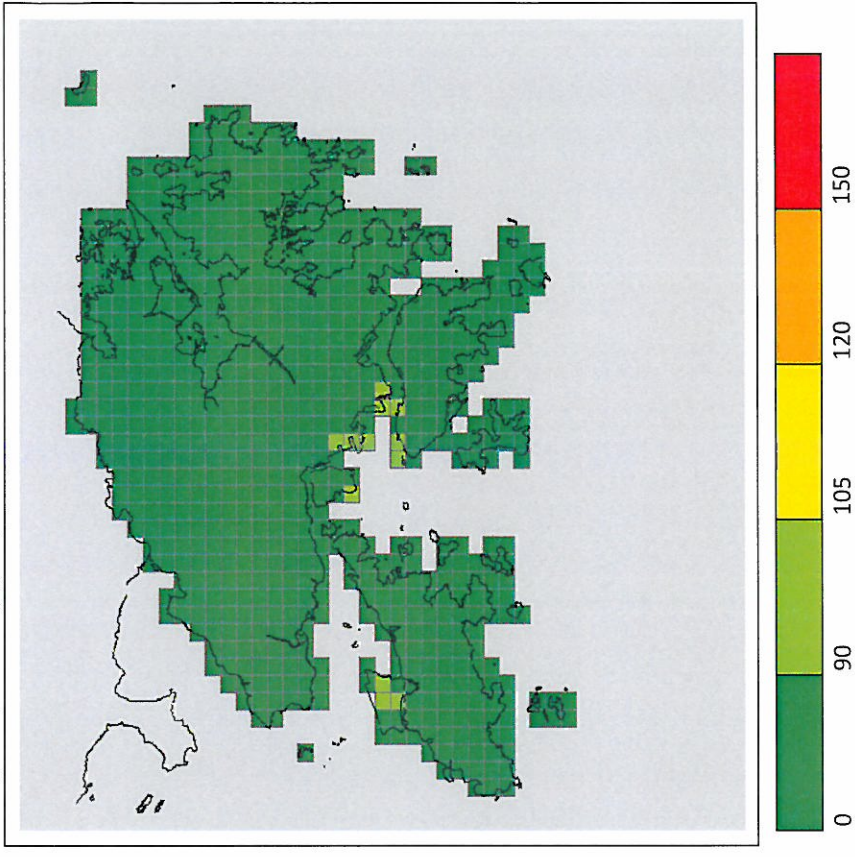
The IWMF at both the TTAL Site & the Artificial Island near SKC
CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)



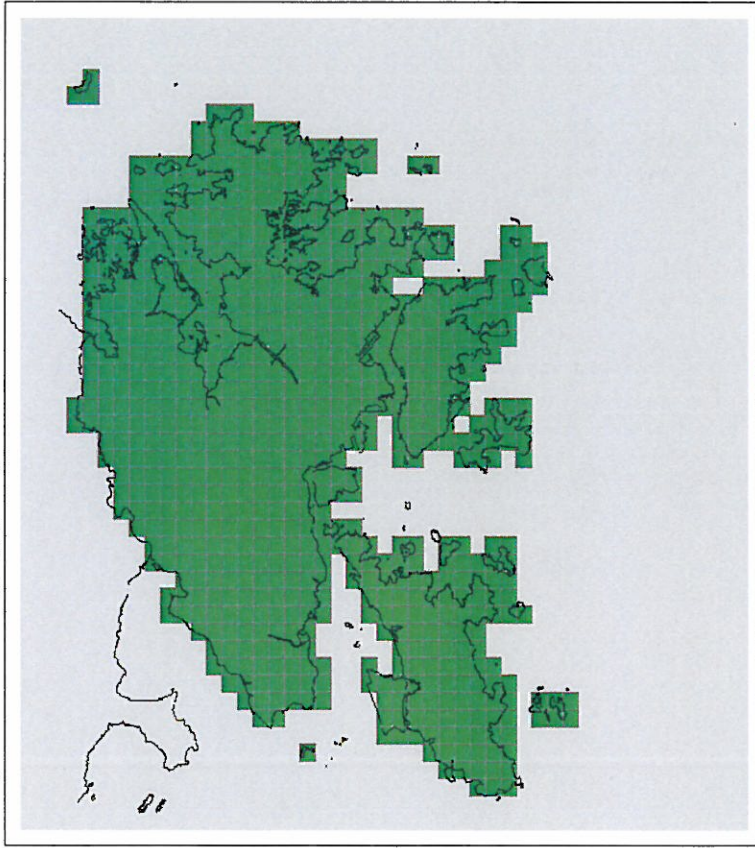
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



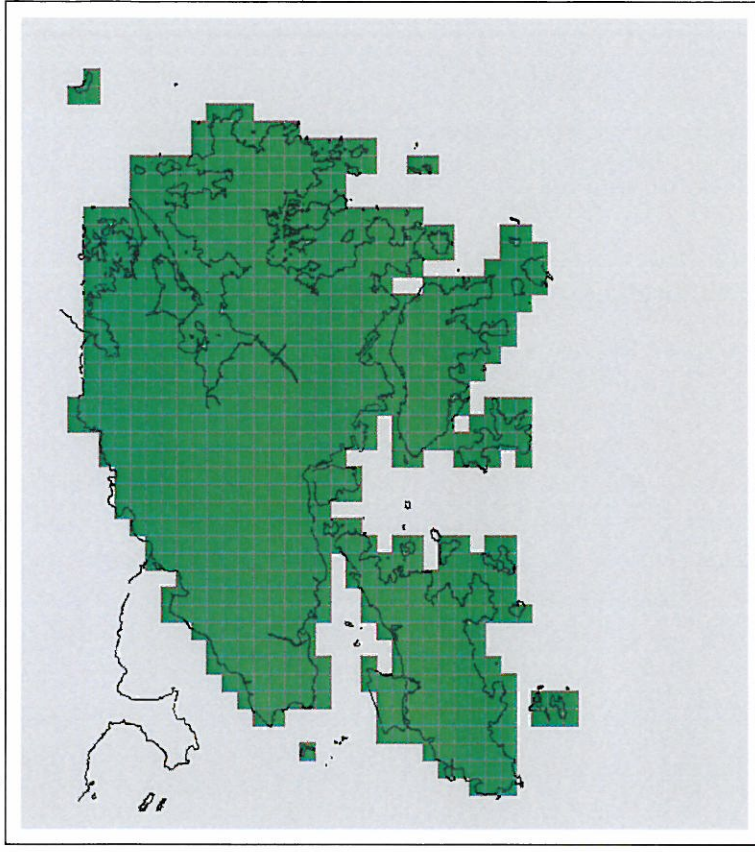
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



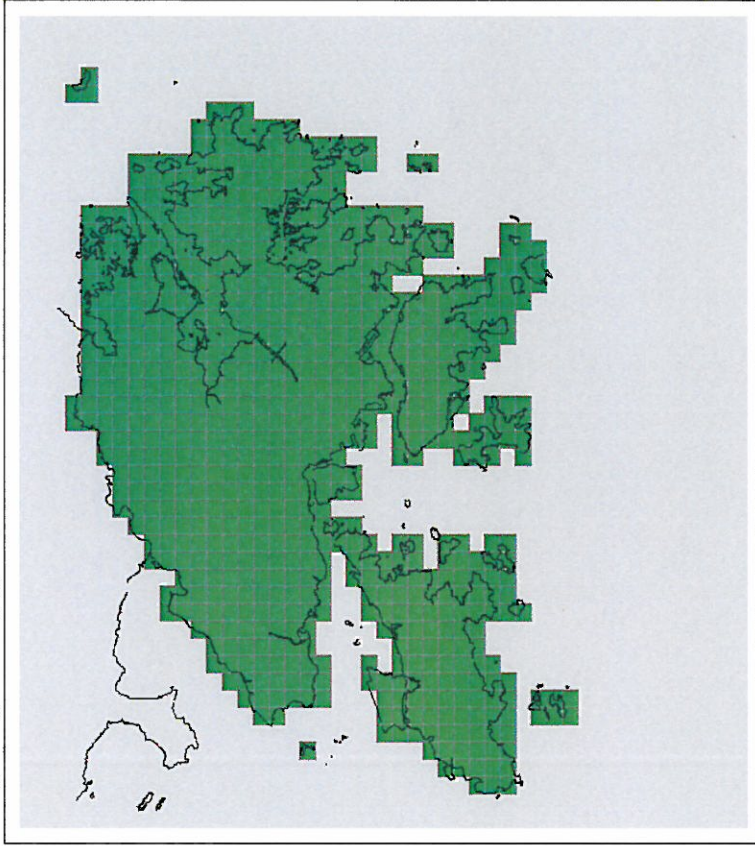
The IWMF at both the TTAL Site & the Artificial Island near SKC
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



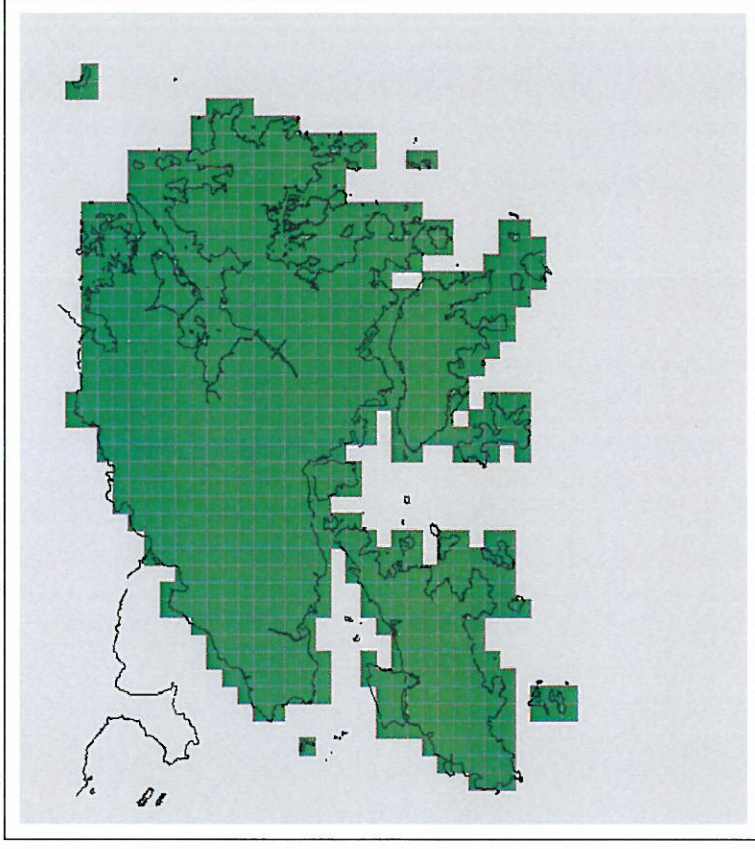
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



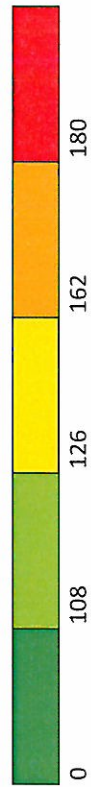
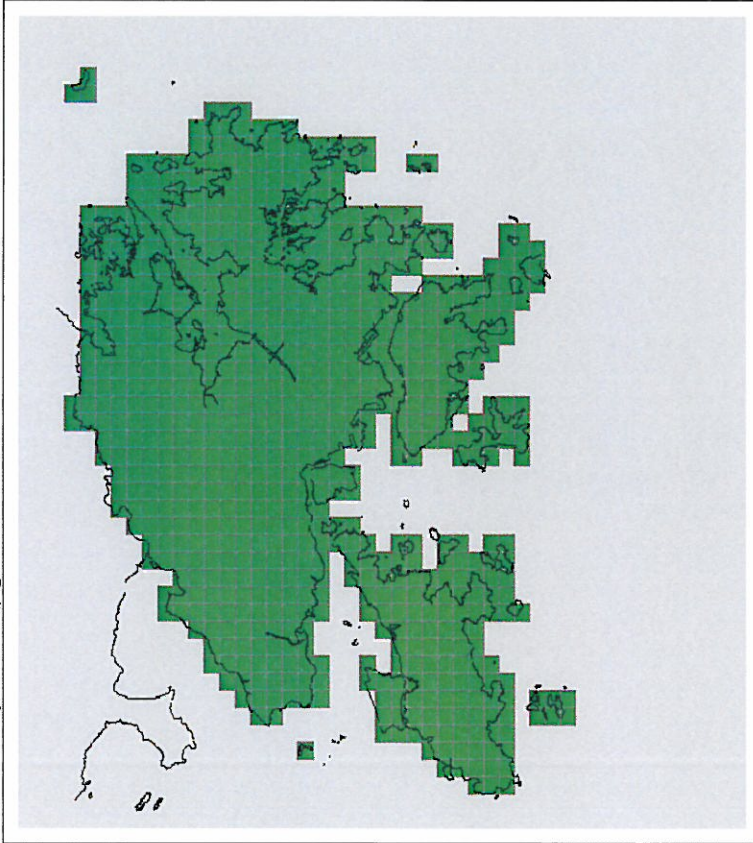
The IWMF at both the TTAL Site & the Artificial Island near SKC
SO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Daily Max. ($\mu\text{g}/\text{m}^3$)

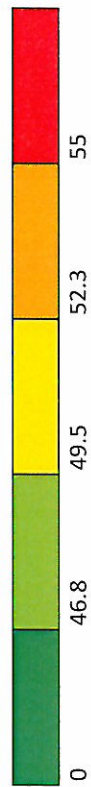
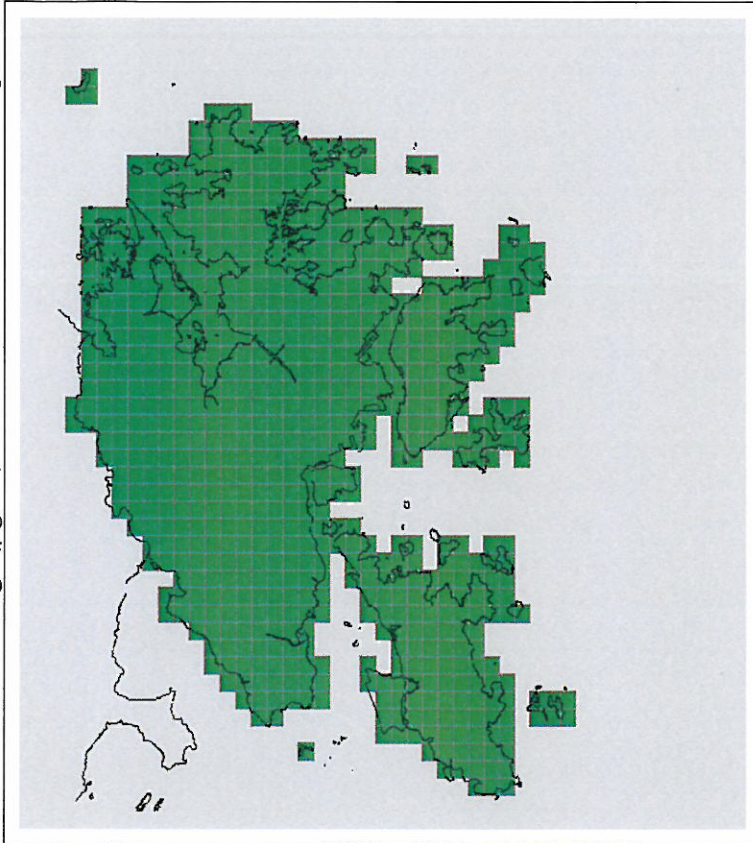
(120 - 175m above ground)



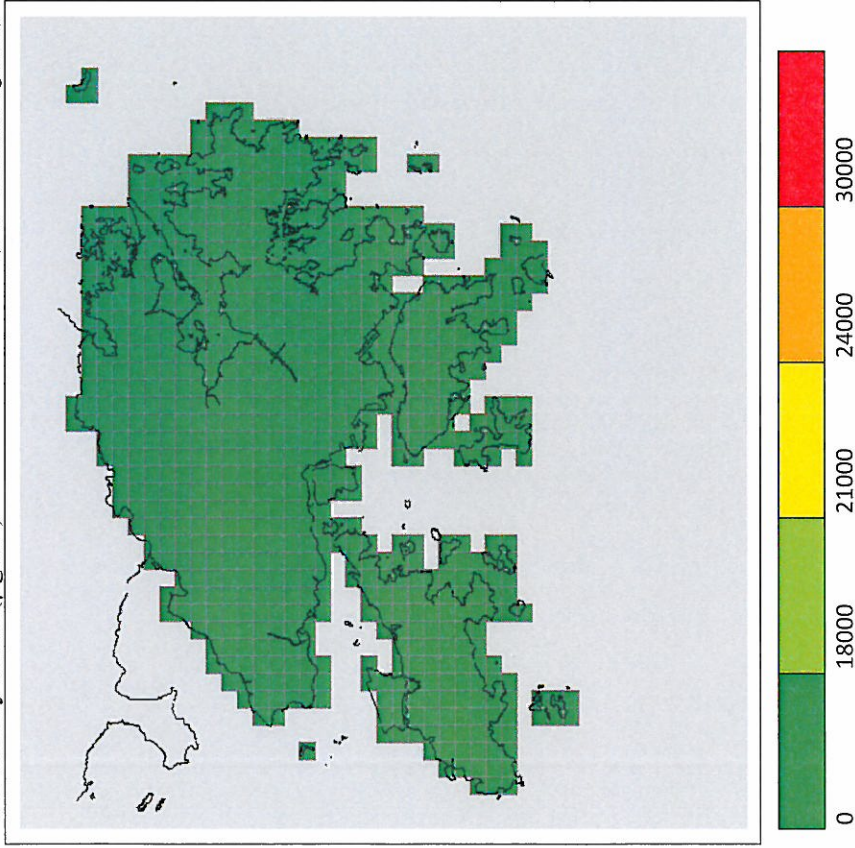
The IWMF at both the TTAL Site & the Artificial Island near SKC

RSP Annual Average ($\mu\text{g}/\text{m}^3$)

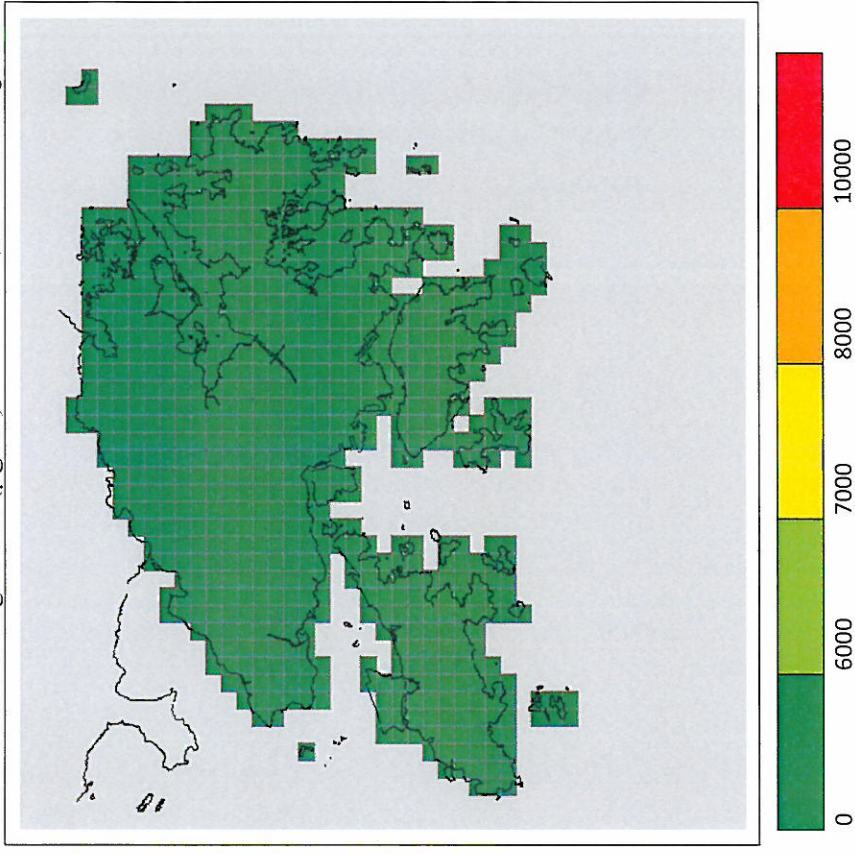
(120 - 175m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC
CO Hourly Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC
CO 8-Hour Average Max. ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



Appendix 3.11e

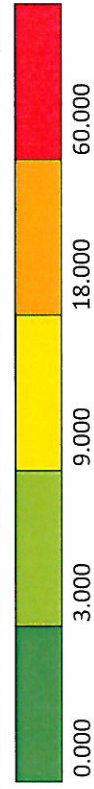
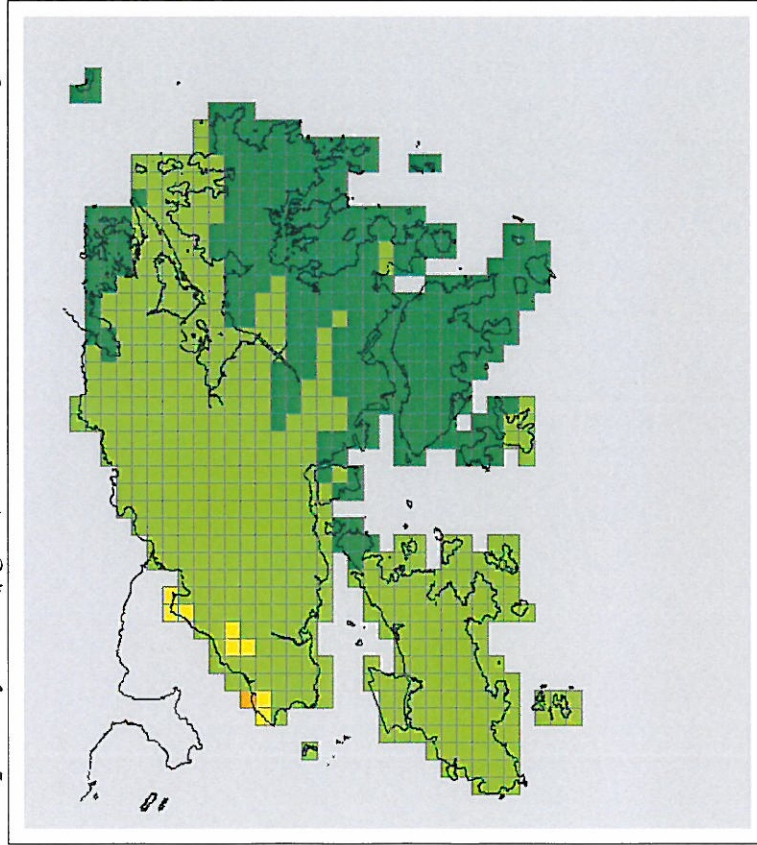
***Plots of the Predicted Concentration from PATH
model – Project Contribution: The IWMF at the TTAL
Site***

Project Contribution

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(0 - 19m above ground)

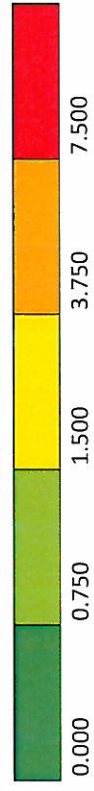
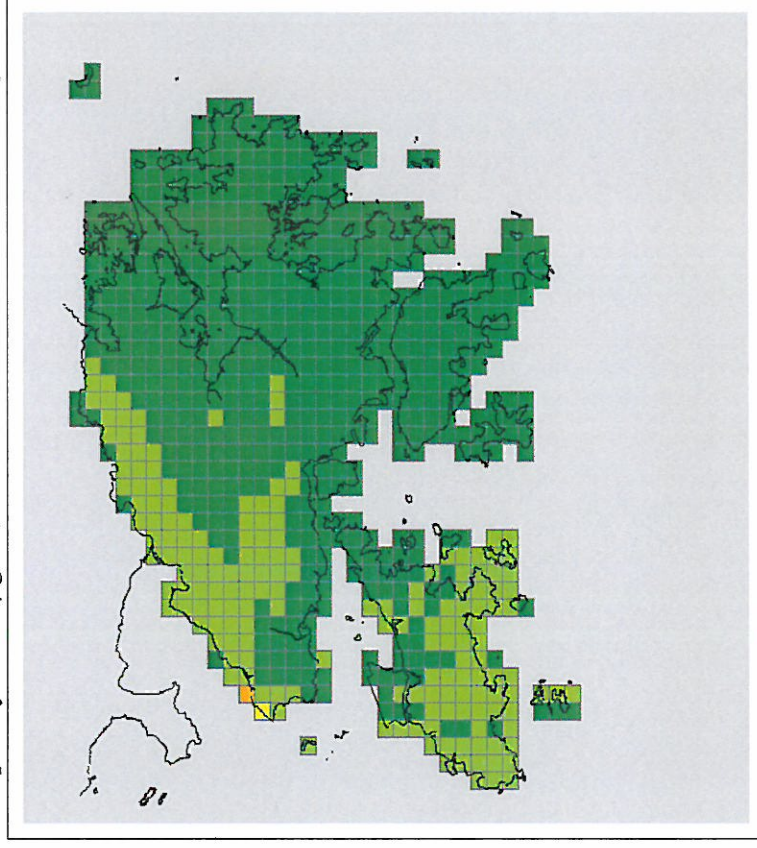


Project Contribution

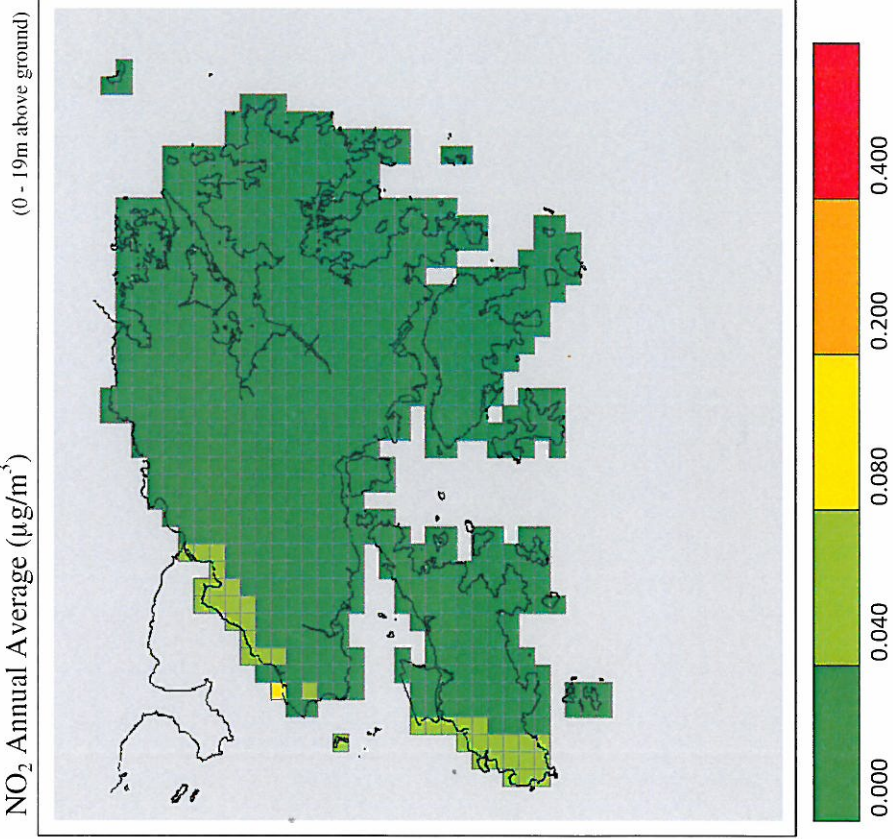
The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(0 - 19m above ground)



Project Contribution
The IWMF at the TTAL Site
NO₂ Annual Average (µg/m³)

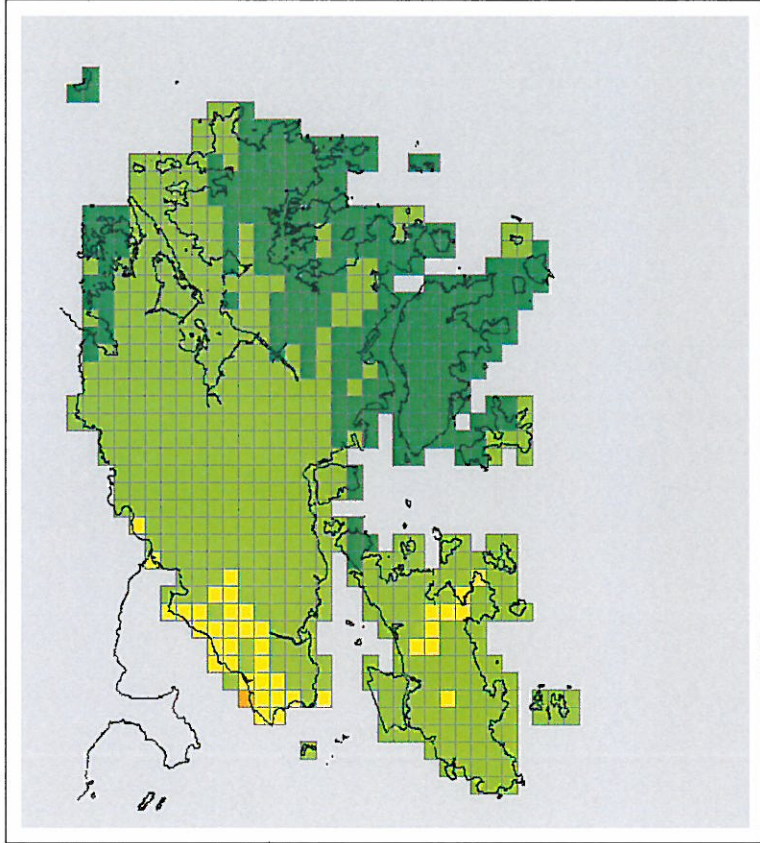


Project Contribution

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

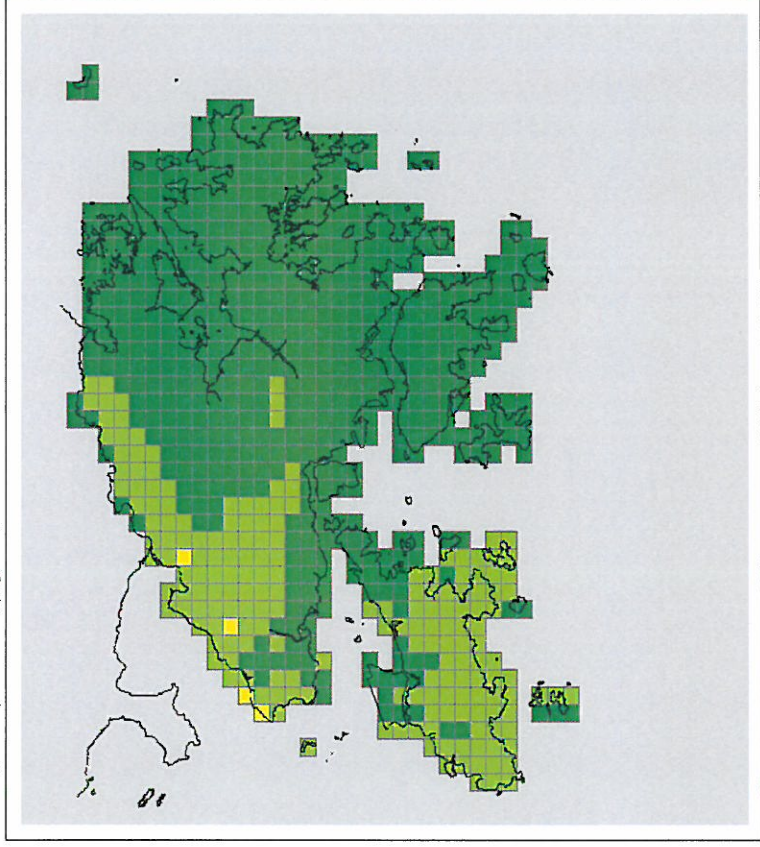


Project Contribution

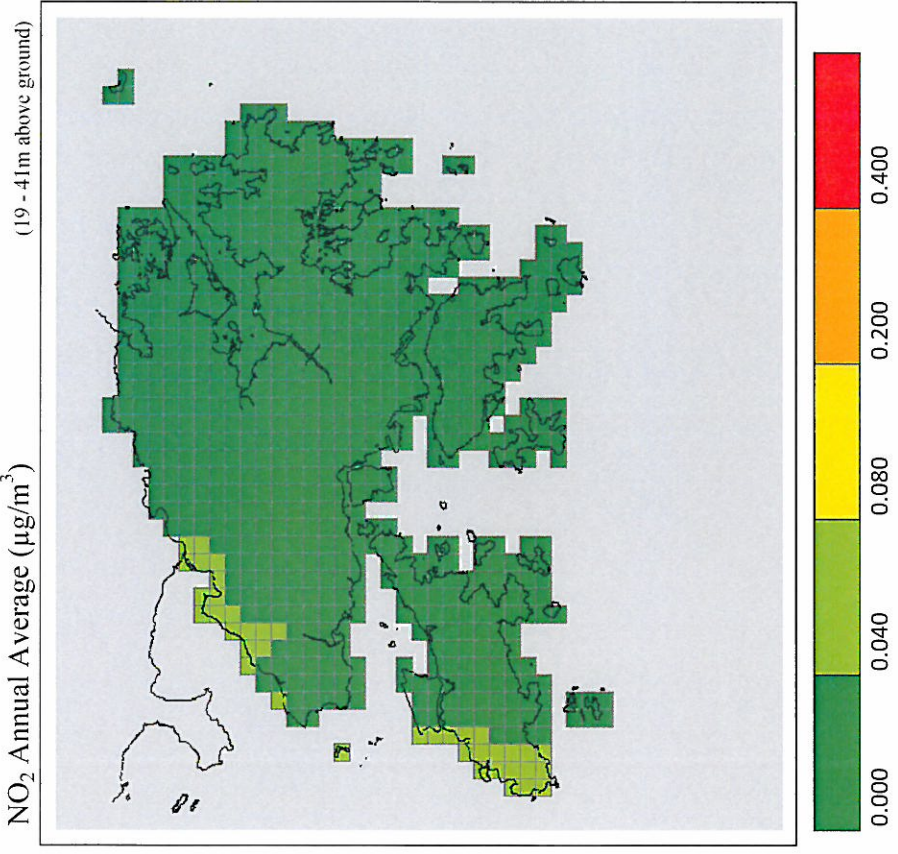
The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)



Project Contribution
The IWMF at the TTAL Site
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

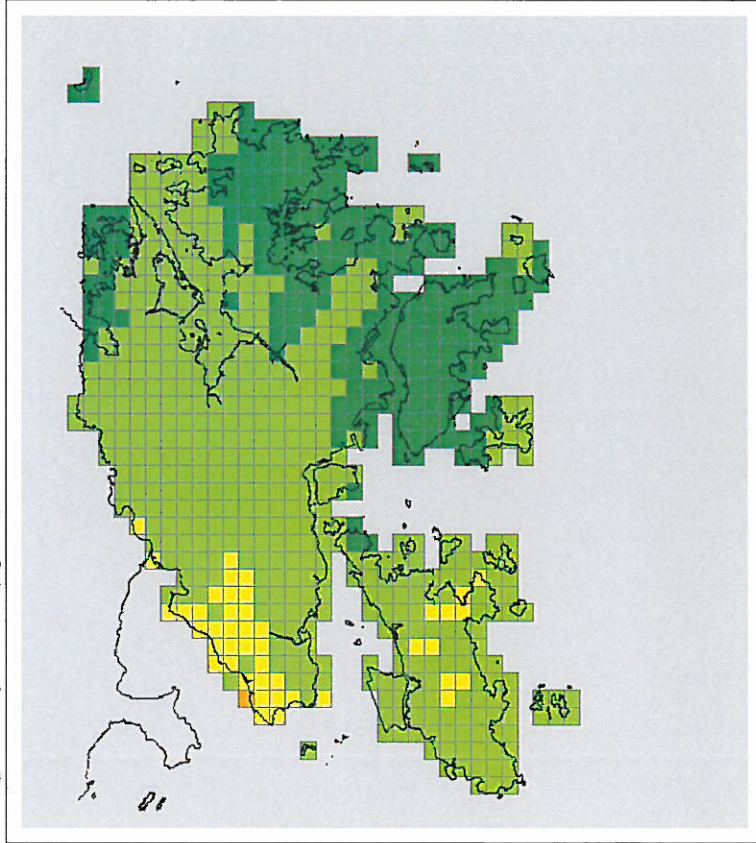


Project Contribution

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)

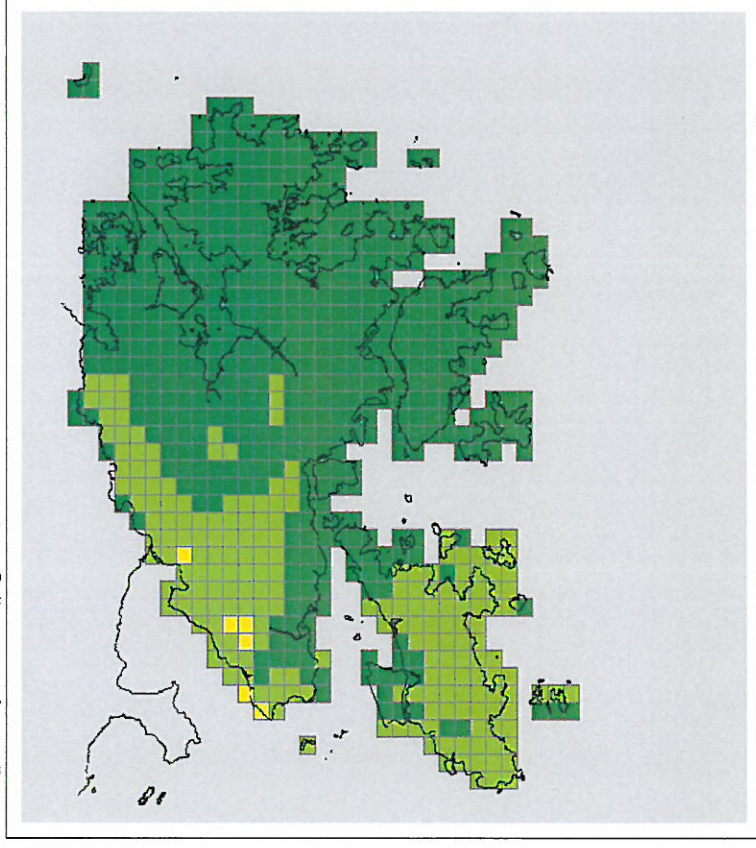


Project Contribution

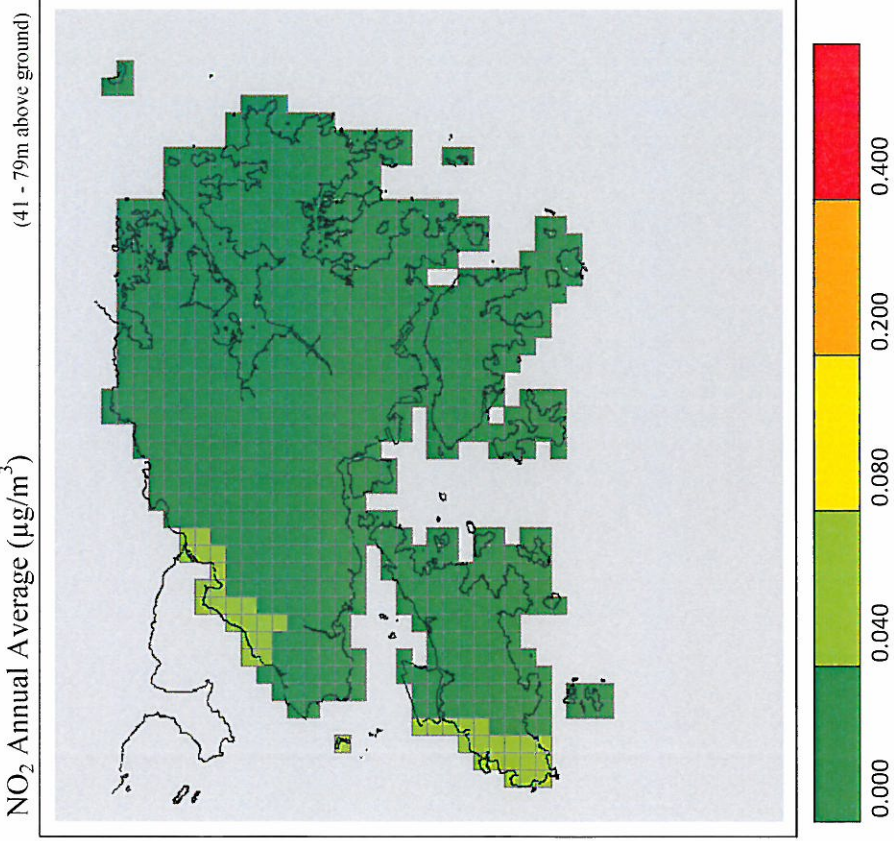
The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)



Project Contribution
The IWMF at the TTAL Site
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

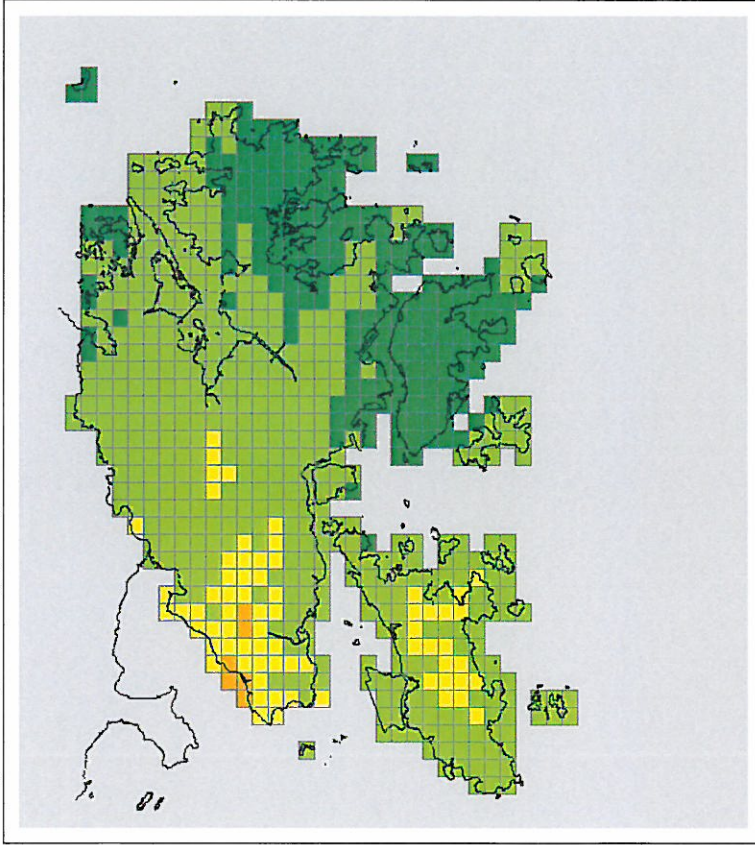


Project Contribution

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

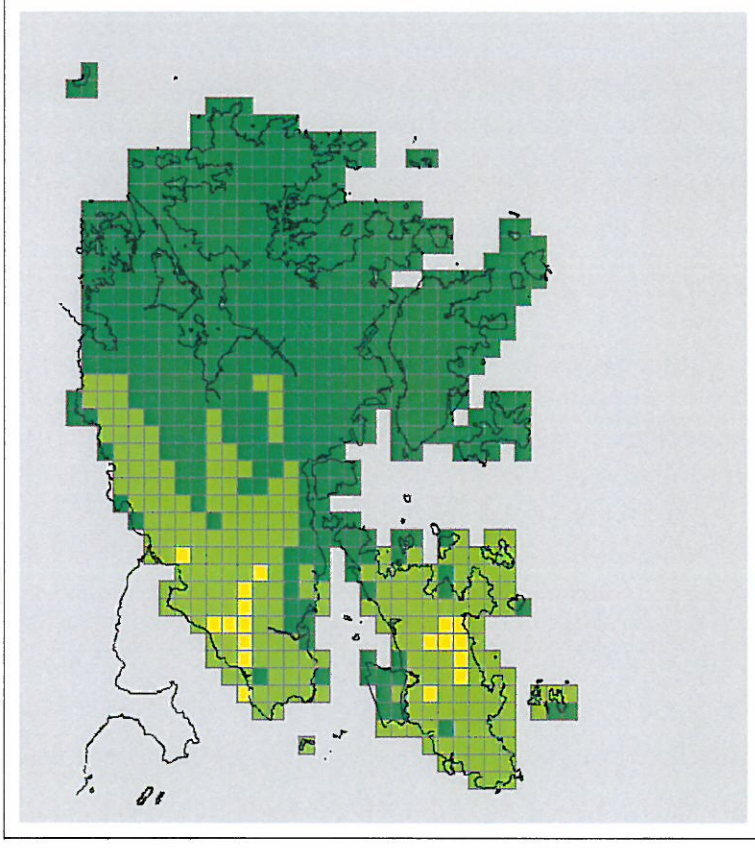


Project Contribution

The IWMF at the TTAL Site

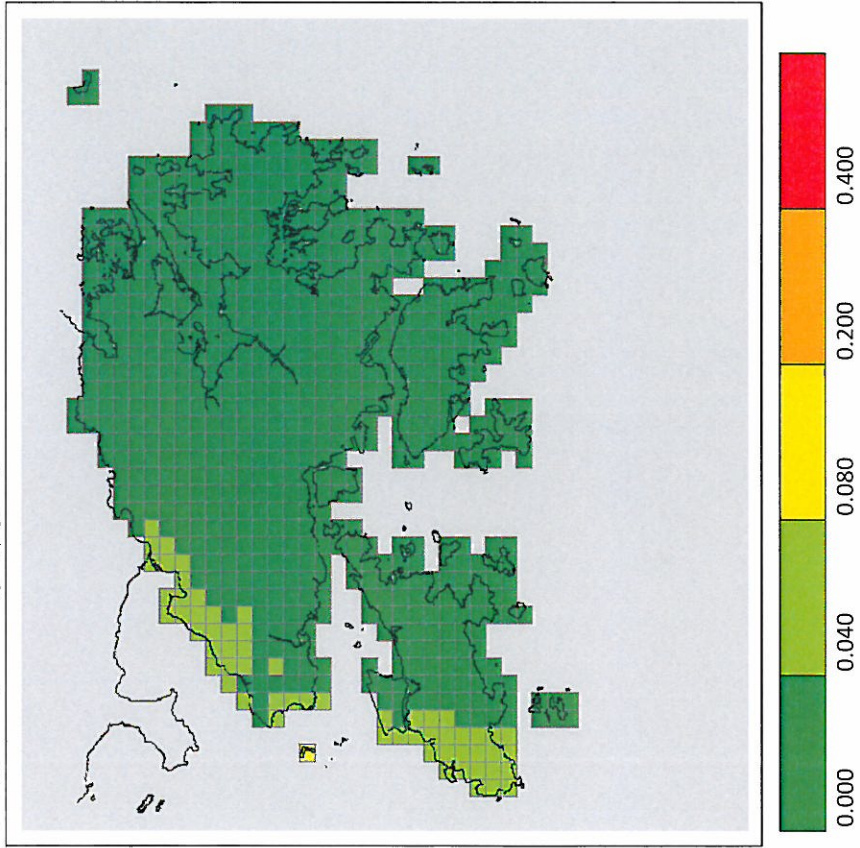
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)



Project Contribution
The IWMF at the TTAL Site
NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

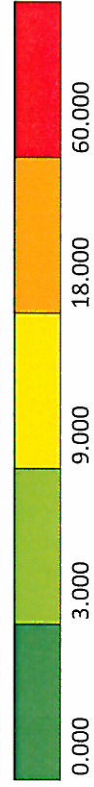
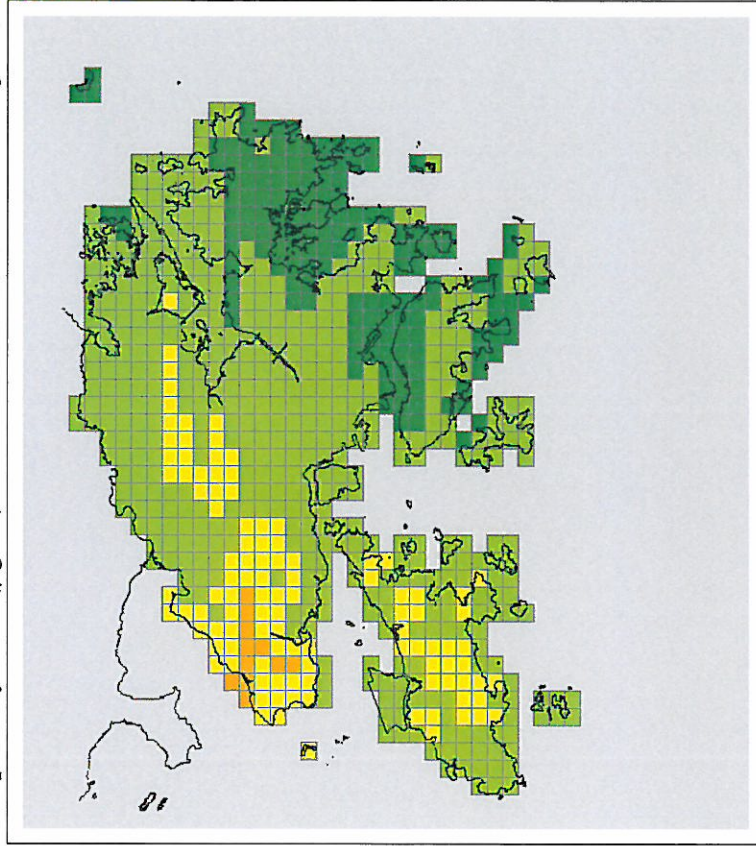


Project Contribution

The IWMF at the TTAL Site

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)

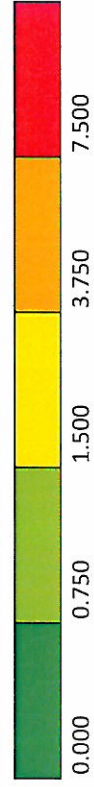
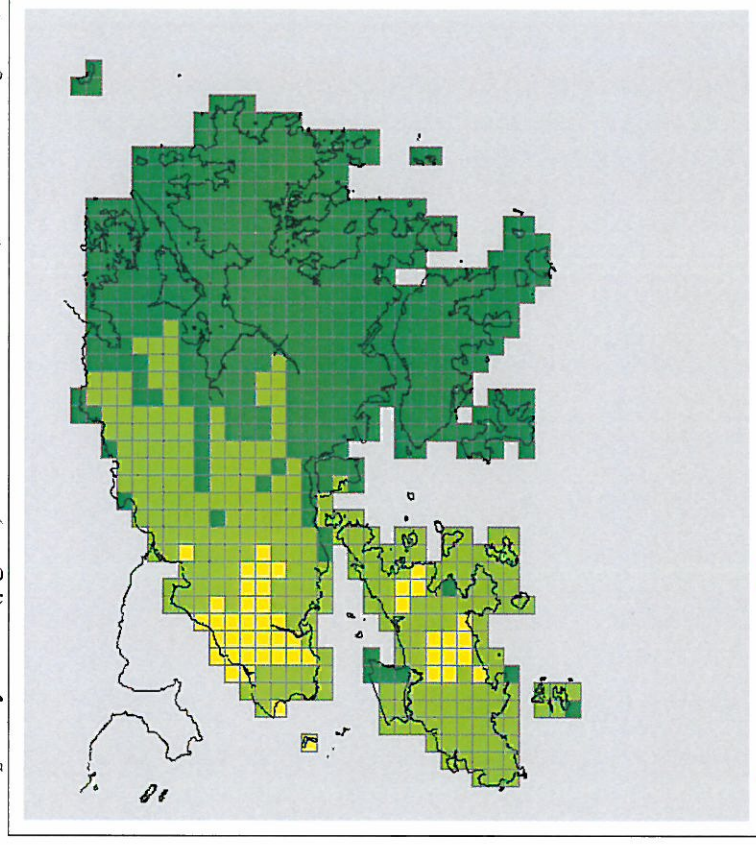


Project Contribution

The IWMF at the TTAL Site

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)

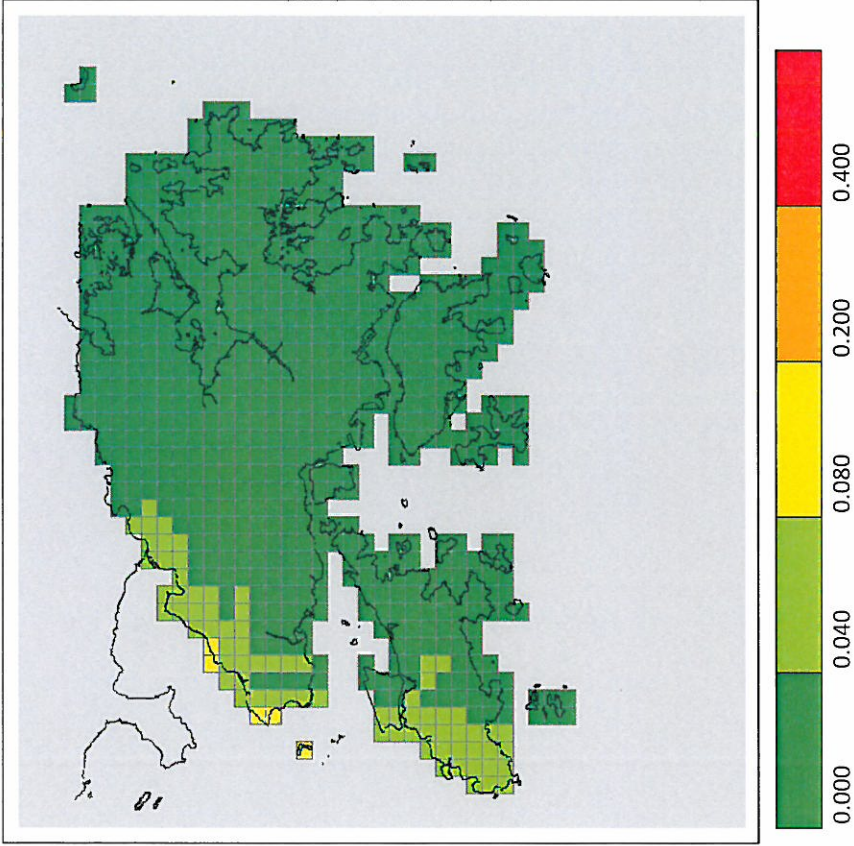


Project Contribution

The IWMF at the TTAL Site

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)



The IWMF at the TTAL Site

0 to 19m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.0	0.2	0.006	0.67%	0.15%	0.01%
	25_27	2.6	0.2	0.005	0.87%	0.15%	0.01%
North Lantau Island	8_23	4.2	0.7	0.031	1.40%	0.44%	0.04%
	8_24	3.7	0.6	0.027	1.23%	0.38%	0.03%
	9_23	5.4	1.0	0.025	1.80%	0.64%	0.03%
	10_23	4.6	0.7	0.022	1.53%	0.44%	0.03%
	11_23	6.7	0.4	0.022	2.23%	0.28%	0.03%
	11_24	3.5	0.4	0.018	1.17%	0.28%	0.02%
Airport Island	9_24	4.0	0.8	0.020	1.33%	0.56%	0.02%
	10_24	4.0	0.5	0.018	1.33%	0.32%	0.02%
	10_25	4.1	0.4	0.010	1.37%	0.28%	0.01%
	10_26	4.1	0.6	0.012	1.37%	0.37%	0.02%
	11_26	3.7	0.7	0.021	1.23%	0.46%	0.03%
Nim Wan and Lung Kwu Tang Area	8_32	5.4	0.9	0.032	1.80%	0.58%	0.04%
	8_33	13.1	1.6	0.025	4.37%	1.09%	0.03%
	9_33	9.8	1.4	0.037	3.27%	0.96%	0.05%
	9_34	30.2	3.9	0.081	10.07%	2.61%	0.10%
	10_34	8.5	1.0	0.033	2.83%	0.64%	0.04%
Tuen Mun	12_32	4.9	0.5	0.019	1.63%	0.36%	0.02%
	12_33	6.6	0.6	0.021	2.20%	0.38%	0.03%
	13_32	5.3	0.5	0.023	1.77%	0.36%	0.03%

19 to 41m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.3	0.3	0.006	0.75%	0.17%	0.01%
	25_27	2.6	0.2	0.005	0.88%	0.15%	0.01%
North Lantau Island	8_23	4.9	0.6	0.032	1.63%	0.41%	0.04%
	8_24	3.8	0.6	0.028	1.25%	0.41%	0.04%
	9_23	5.3	0.9	0.027	1.76%	0.63%	0.03%
	10_23	6.8	0.6	0.023	2.26%	0.43%	0.03%
	11_23	4.3	0.5	0.022	1.44%	0.31%	0.03%
	11_24	4.0	0.4	0.019	1.32%	0.30%	0.02%
Airport Island	9_24	4.1	0.8	0.020	1.38%	0.53%	0.02%
	10_24	4.3	0.4	0.017	1.44%	0.30%	0.02%
	10_25	3.8	0.4	0.010	1.25%	0.28%	0.01%
	10_26	4.1	0.6	0.013	1.38%	0.39%	0.02%
	11_26	4.5	0.7	0.022	1.50%	0.47%	0.03%
Tuen Mun	12_32	8.7	0.8	0.019	2.88%	0.51%	0.02%
	12_33	11.5	0.6	0.019	3.83%	0.40%	0.02%
	13_32	6.4	0.7	0.023	2.13%	0.48%	0.03%

41 to 79m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.4	0.3	0.006	0.82%	0.18%	0.01%
	25_27	2.6	0.3	0.005	0.88%	0.17%	0.01%
North Lantau Island	8_23	5.3	0.7	0.035	1.76%	0.48%	0.04%
	8_24	3.8	0.6	0.032	1.25%	0.43%	0.04%
	9_23	5.6	1.0	0.029	1.88%	0.67%	0.04%
	10_23	6.6	0.7	0.026	2.19%	0.48%	0.03%
	11_23	4.5	0.6	0.026	1.50%	0.39%	0.03%
	11_24	4.3	0.5	0.022	1.44%	0.36%	0.03%
Tuen Mun	12_32	8.8	0.7	0.020	2.95%	0.50%	0.02%
	12_33	11.7	0.8	0.021	3.89%	0.51%	0.03%
	13_32	6.6	0.7	0.024	2.19%	0.49%	0.03%

79 to 120m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.8	0.3	0.008	0.94%	0.20%	0.01%
	25_27	2.8	0.3	0.007	0.94%	0.21%	0.01%
North Lantau Island	8_23	7.5	0.9	0.044	2.51%	0.57%	0.05%
	8_24	4.5	0.7	0.040	1.50%	0.45%	0.05%
	9_23	7.0	1.2	0.035	2.32%	0.82%	0.04%
	10_23	6.0	0.8	0.030	2.01%	0.55%	0.04%
	11_23	4.9	0.8	0.030	1.63%	0.51%	0.04%
	11_24	4.9	0.6	0.029	1.63%	0.41%	0.04%

120 to 175m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
North Lantau Island	8_23	9.0	1.1	0.054	3.01%	0.71%	0.07%
	8_24	7.3	0.9	0.051	2.45%	0.60%	0.06%
	9_23	8.7	1.5	0.044	2.88%	1.00%	0.05%
	10_23	7.3	1.0	0.035	2.45%	0.68%	0.04%
	11_23	6.4	1.1	0.037	2.13%	0.73%	0.05%
	11_24	7.1	1.0	0.035	2.38%	0.65%	0.04%

Note:

The above predicted concentration based on PATH model results.

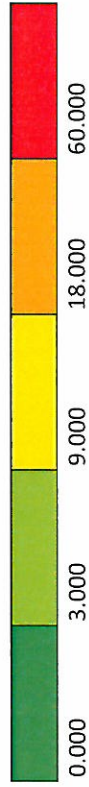
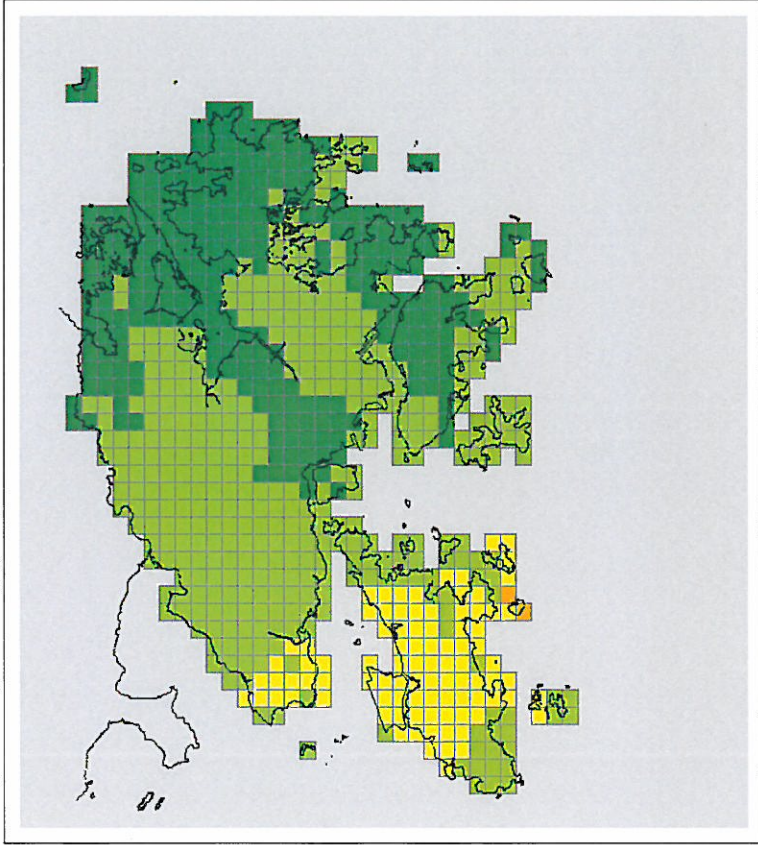
Appendix 3.11f

***Plots of the Predicted Concentration from PATH
model – Project Contribution: The IWMF at the
Artificial Island near SKC***

Project Contribution

The IWMF at the Artificial Island near SKC

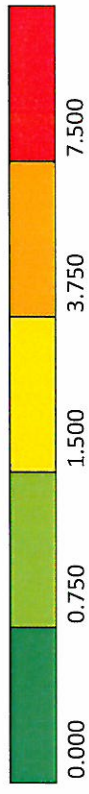
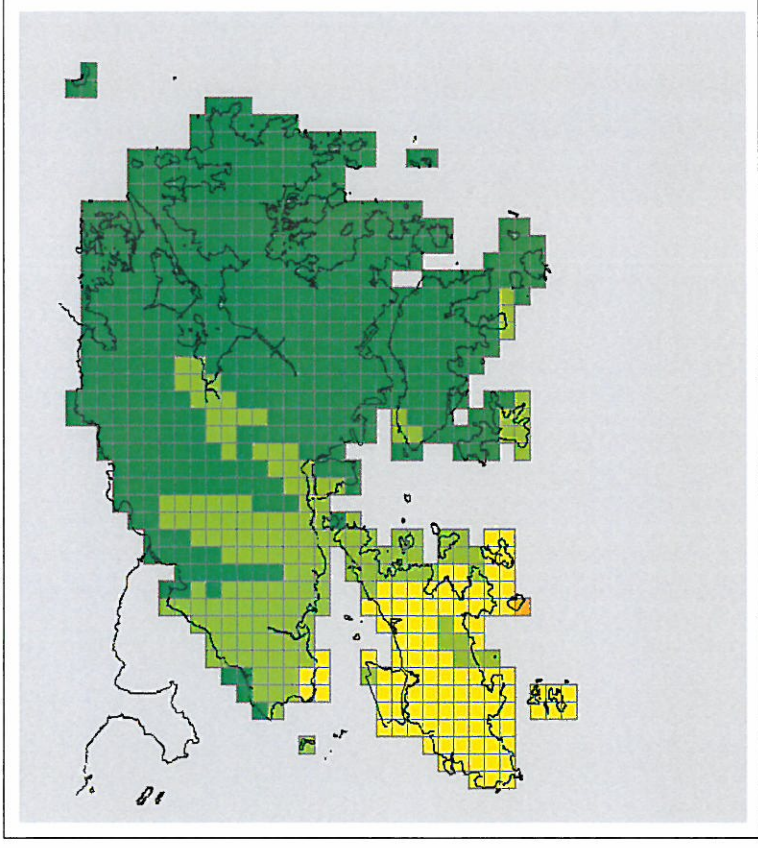
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



Project Contribution

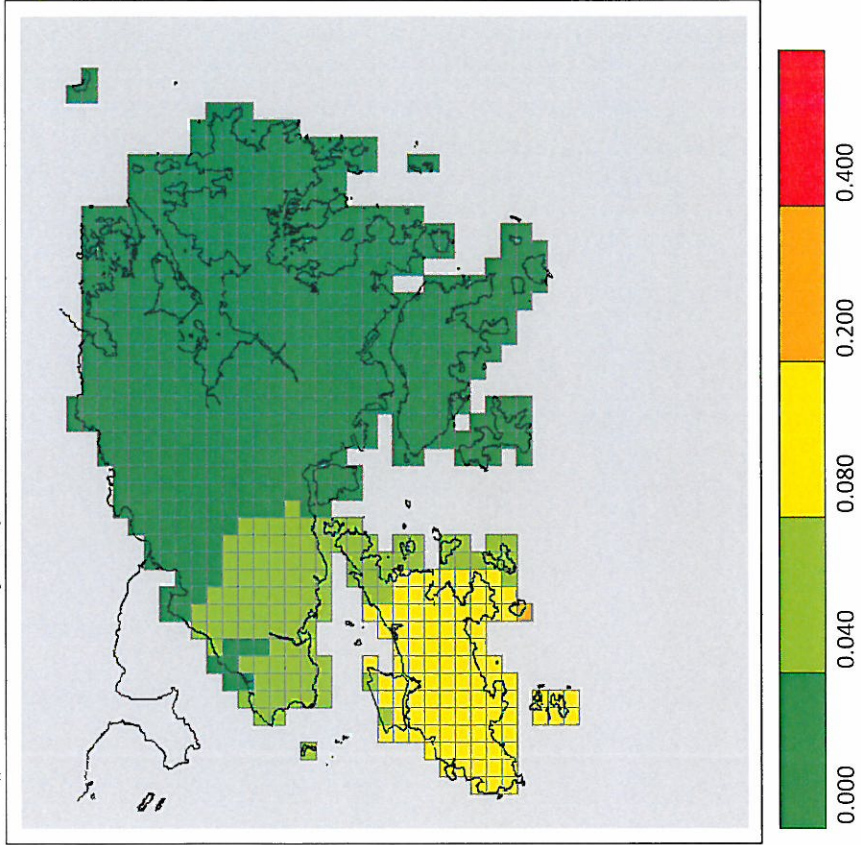
The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)



Project Contribution
The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(0 - 19m above ground)

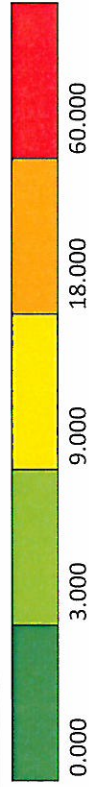
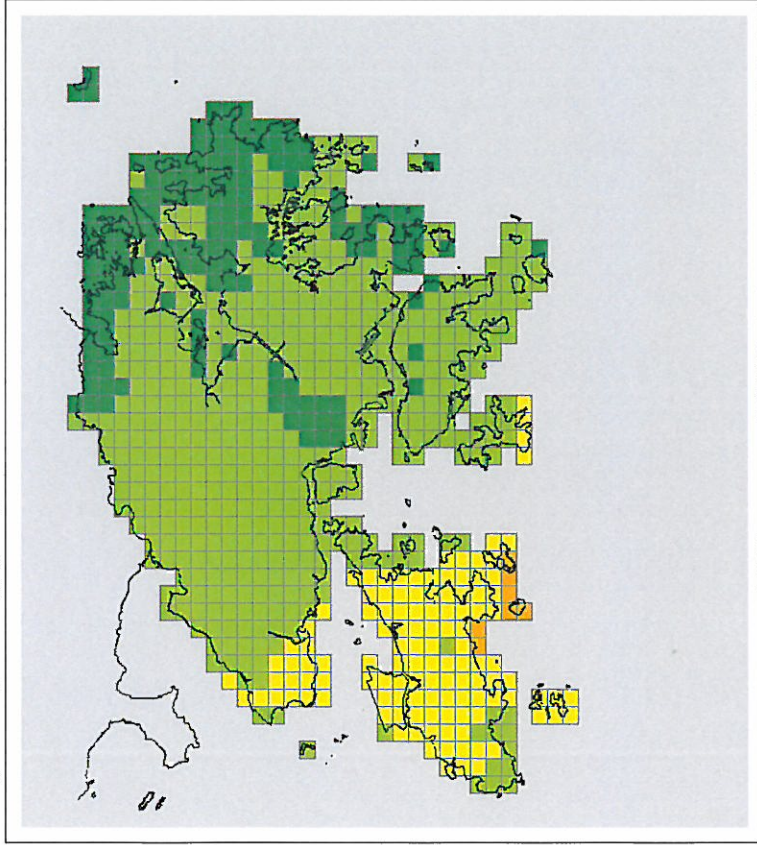


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

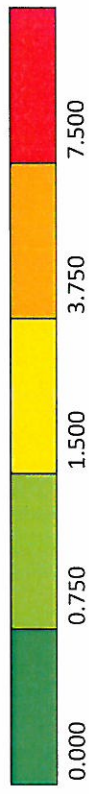
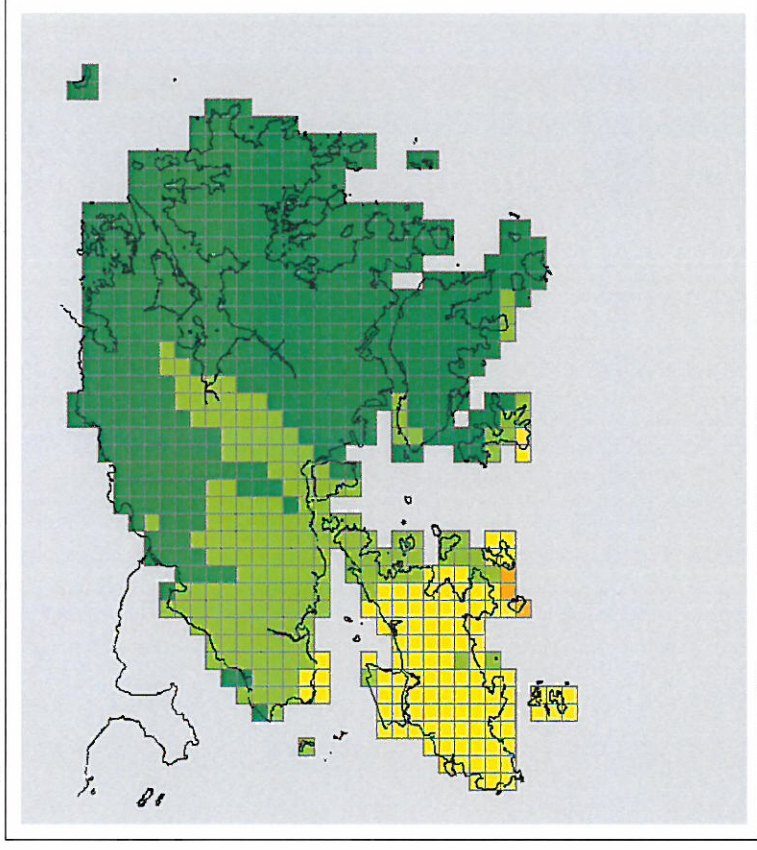


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

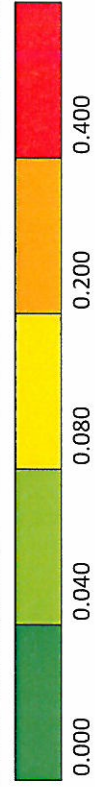
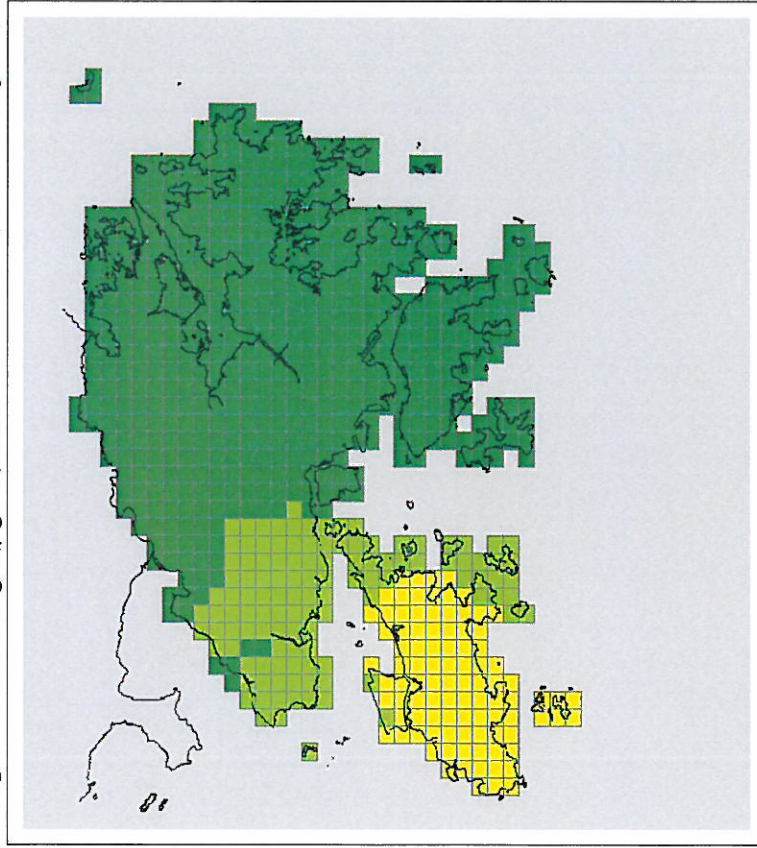


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

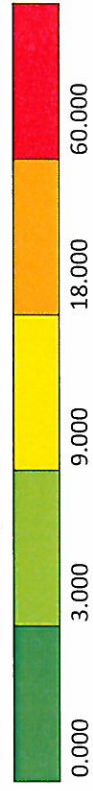
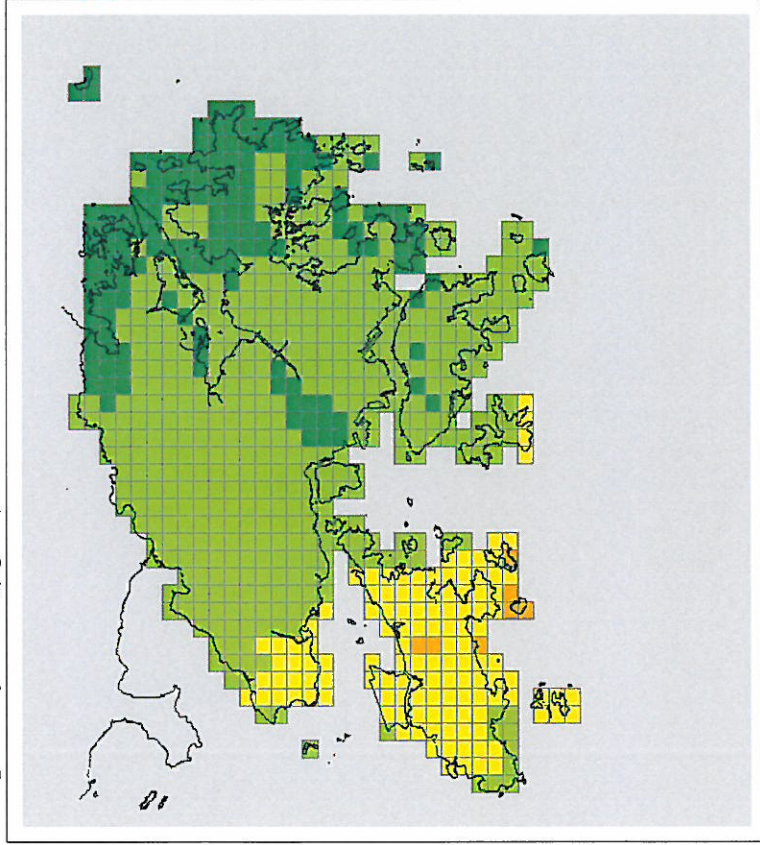


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)

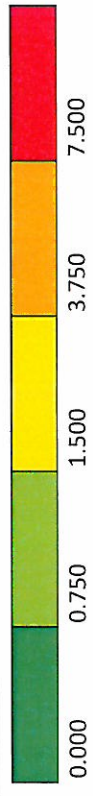
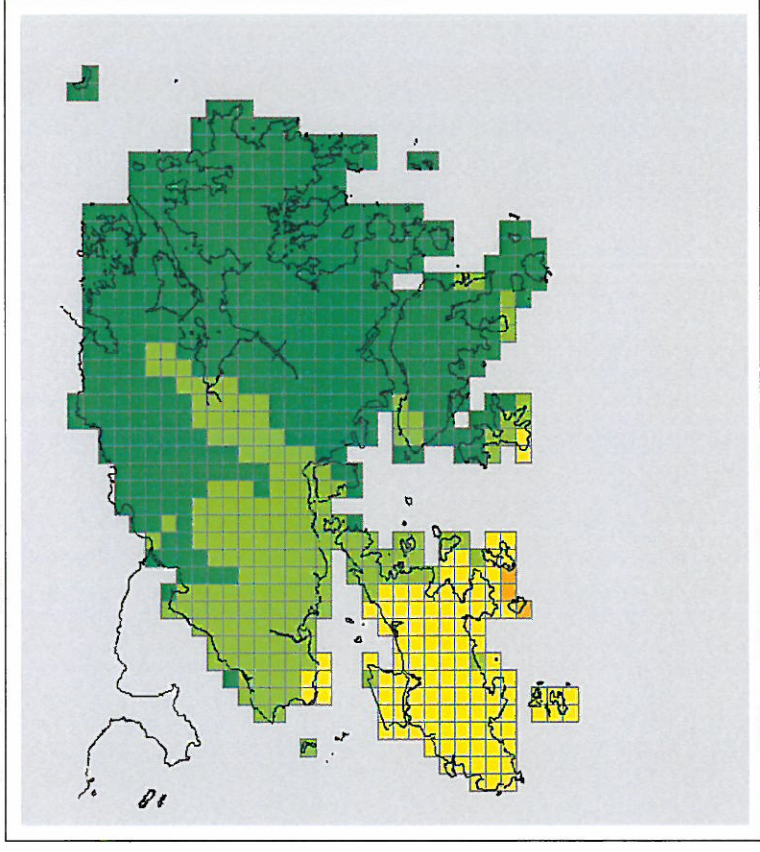


Project Contribution

The IWMF at the Artificial Island near SKC

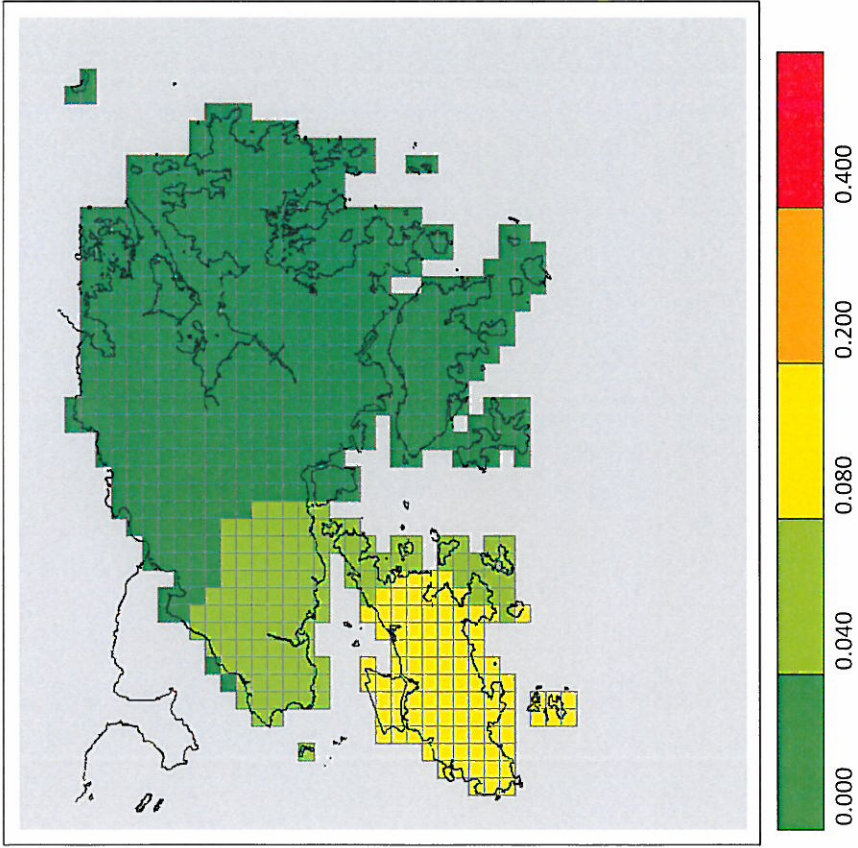
NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)



Project Contribution
The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(41 - 79m above ground)

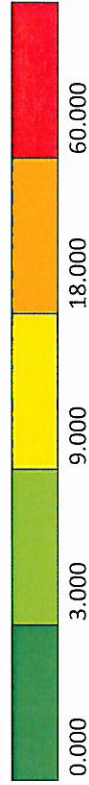
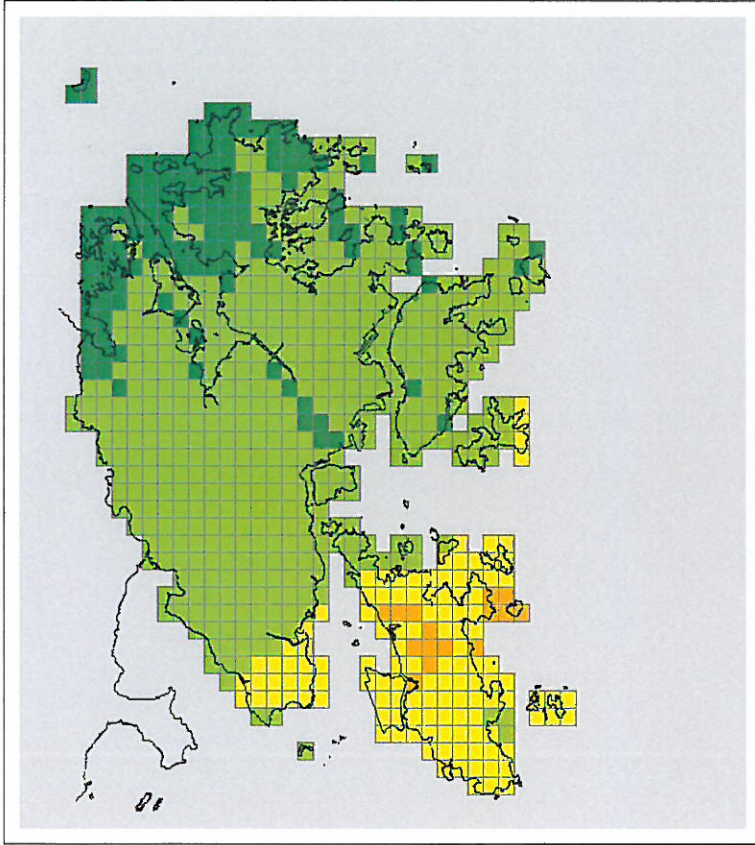


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

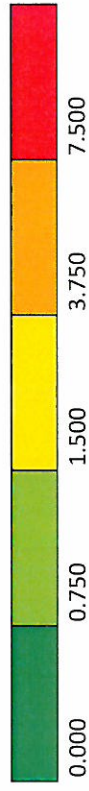
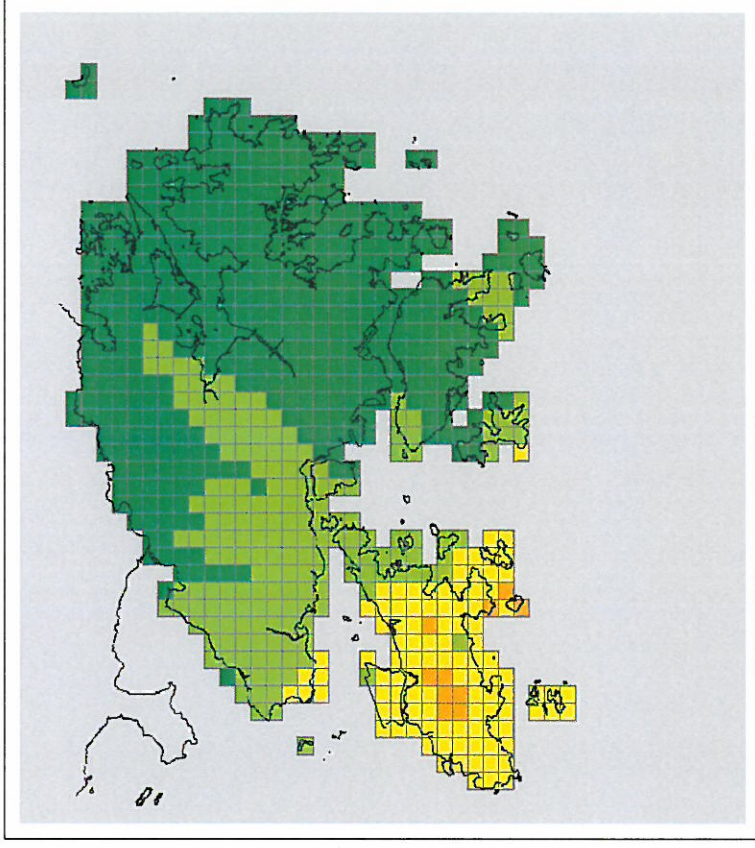


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

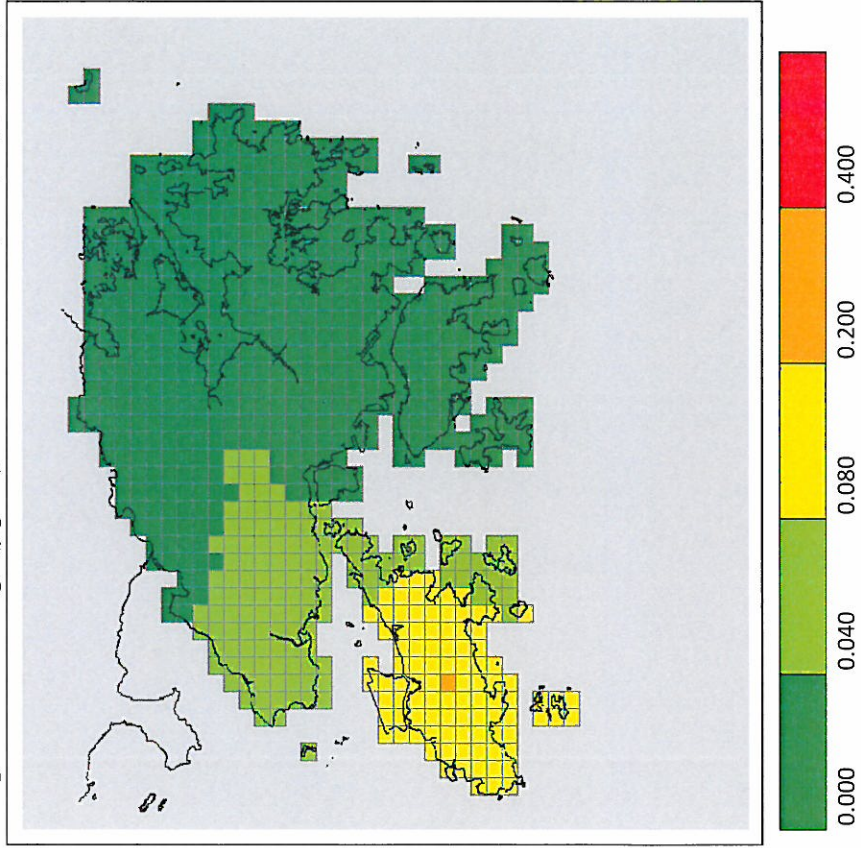


Project Contribution

The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

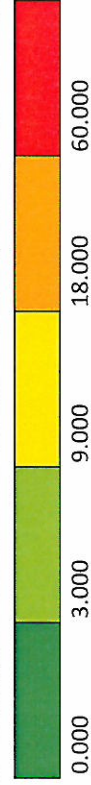
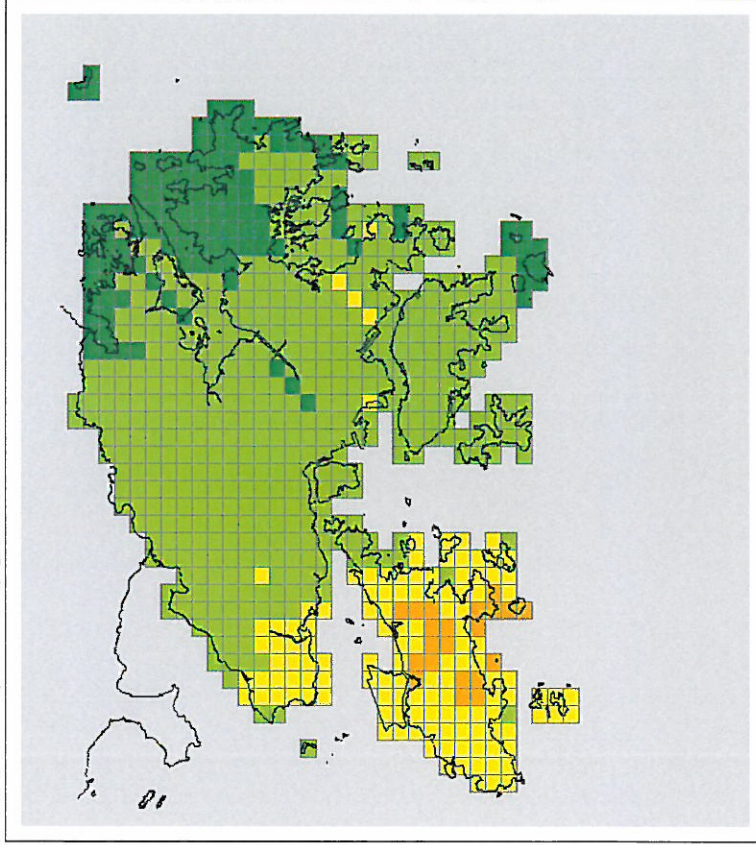
(79 - 120m above ground)



Project Contribution

The IWMF at the Artificial Island near SKC

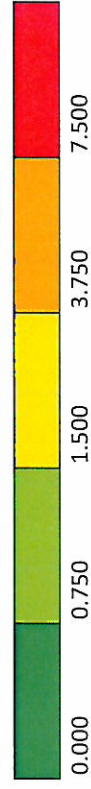
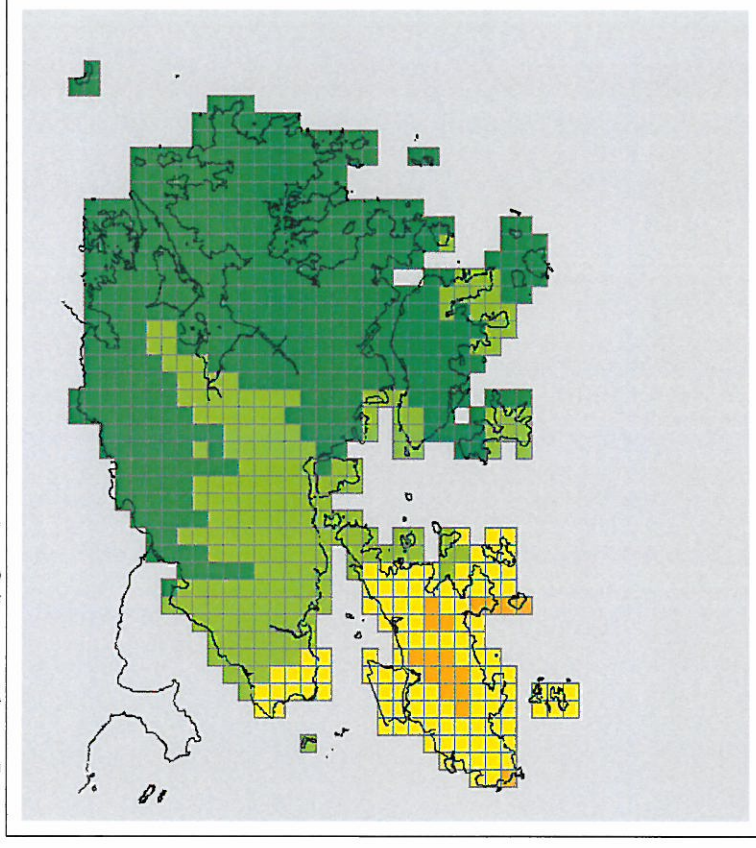
NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$) (120 - 175m above ground)



Project Contribution

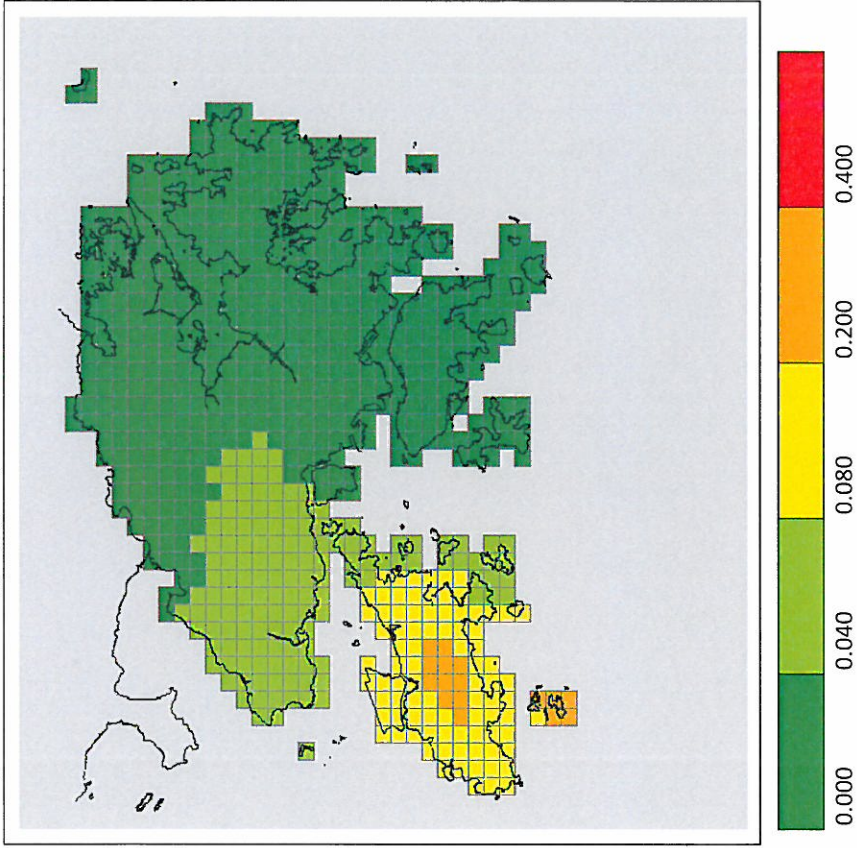
The IWMF at the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$) (120 - 175m above ground)



Project Contribution
The IWMF at the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)
(120 - 175m above ground)



The IWMF at the Artificial Island near SKC

0 to 19m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	1.7	0.4	0.017	0.57%	0.29%	0.02%
	25_27	2.9	0.4	0.017	0.97%	0.27%	0.02%
North Lantau Island	8_23	13.9	3.0	0.139	4.63%	2.03%	0.17%
	8_24	12.8	2.0	0.110	4.27%	1.36%	0.14%
	9_23	13.4	2.6	0.145	4.47%	1.74%	0.18%
	10_23	14.4	2.4	0.144	4.80%	1.62%	0.18%
	11_23	14.7	2.1	0.131	4.90%	1.39%	0.16%
	11_24	12.1	2.1	0.117	4.03%	1.39%	0.15%
Airport Island	9_24	12.4	2.5	0.119	4.13%	1.64%	0.15%
	10_24	14.7	2.3	0.135	4.90%	1.56%	0.17%
	10_25	10.4	1.7	0.107	3.47%	1.11%	0.13%
	10_26	10.2	1.1	0.071	3.40%	0.75%	0.09%
	11_26	14.1	2.1	0.088	4.70%	1.40%	0.11%
Shek Kwu Chau and Cheung Chau	14_16	25.0	6.0	0.223	8.33%	4.02%	0.28%
	16_17	17.4	3.5	0.066	5.80%	2.32%	0.08%
	17_17	15.8	2.9	0.046	5.27%	1.96%	0.06%
	17_18	7.8	1.8	0.059	2.60%	1.23%	0.07%
South Lantau Island	10_19	11.1	2.0	0.117	3.70%	1.36%	0.15%
	11_19	7.9	1.4	0.117	2.63%	0.95%	0.15%
	14_18	13.5	3.0	0.182	4.50%	1.98%	0.23%

19 to 41m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.4	0.4	0.015	0.82%	0.25%	0.02%
	25_27	3.0	0.5	0.017	1.00%	0.32%	0.02%
North Lantau Island	8_23	12.0	3.3	0.143	4.01%	2.22%	0.18%
	8_24	11.9	2.5	0.113	3.95%	1.68%	0.14%
	9_23	14.3	3.1	0.149	4.77%	2.04%	0.19%
	10_23	17.3	2.5	0.149	5.77%	1.64%	0.19%
	11_23	12.6	2.4	0.138	4.20%	1.57%	0.17%
	11_24	12.0	2.4	0.126	4.01%	1.57%	0.16%
Airport Island	9_24	15.8	2.5	0.121	5.27%	1.67%	0.15%
	10_24	16.0	2.5	0.136	5.33%	1.69%	0.17%
	10_25	10.3	1.9	0.109	3.45%	1.24%	0.14%
	10_26	9.6	1.1	0.073	3.20%	0.76%	0.09%
	11_26	13.2	2.1	0.092	4.39%	1.37%	0.12%

41 to 79m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.4	0.4	0.014	0.82%	0.27%	0.02%
	25_27	3.2	0.4	0.017	1.07%	0.29%	0.02%
North Lantau Island	8_23	11.5	3.3	0.144	3.83%	2.17%	0.18%
	8_24	12.2	2.4	0.110	4.08%	1.61%	0.14%
	9_23	14.5	3.1	0.148	4.83%	2.08%	0.19%
	10_23	17.7	2.5	0.154	5.89%	1.68%	0.19%
	11_23	13.9	2.7	0.147	4.64%	1.82%	0.18%
	11_24	13.2	2.6	0.133	4.39%	1.76%	0.17%

79 to 120m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.8	0.5	0.019	0.94%	0.30%	0.02%
	25_27	3.6	0.6	0.021	1.19%	0.38%	0.03%
North Lantau Island	8_23	10.3	3.1	0.143	3.45%	2.06%	0.18%
	8_24	12.6	2.3	0.110	4.20%	1.52%	0.14%
	9_23	14.3	3.2	0.151	4.77%	2.13%	0.19%
	10_23	18.1	3.1	0.165	6.02%	2.05%	0.21%
	11_23	16.9	2.9	0.167	5.64%	1.94%	0.21%
	11_24	11.3	2.4	0.144	3.76%	1.62%	0.18%

120 to 175m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
North Lantau Island	8_23	11.7	2.5	0.135	3.89%	1.67%	0.17%
	8_24	11.9	2.0	0.107	3.95%	1.31%	0.13%
	9_23	13.9	2.9	0.144	4.64%	1.90%	0.18%
	10_23	18.1	3.5	0.177	6.02%	2.34%	0.22%
	11_23	18.6	4.0	0.191	6.21%	2.64%	0.24%
	11_24	10.2	2.5	0.158	3.39%	1.67%	0.20%

Note:

The above predicted concentration based on PATH model results.

Appendix 3.11g

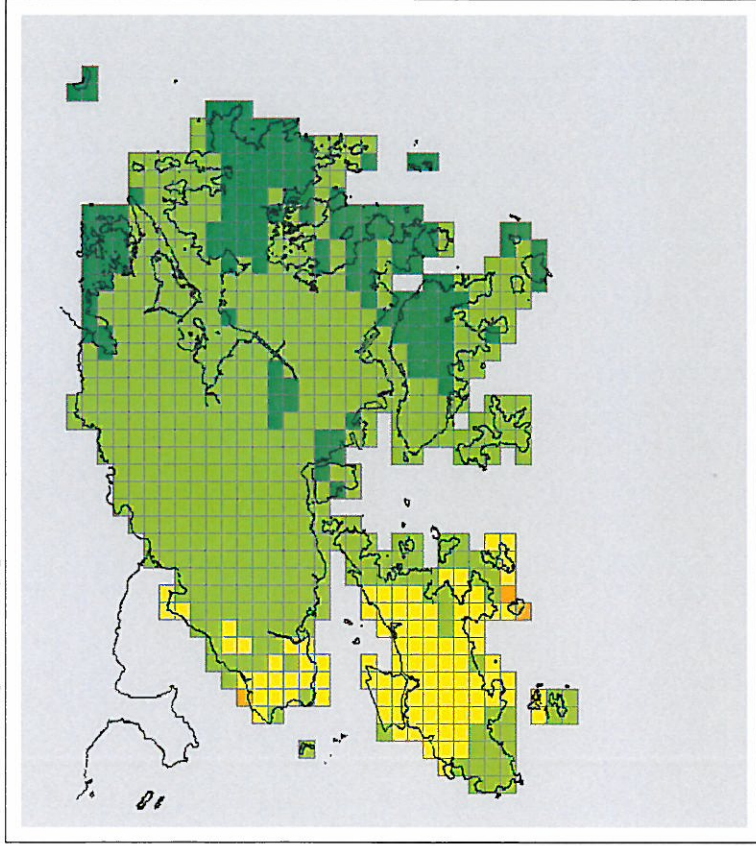
***Plots of the Predicted Concentration from PATH
model – Project Contribution: The IWMF at both the
TTAL Site & the Artificial Island near SKC***

Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(0 - 19m above ground)

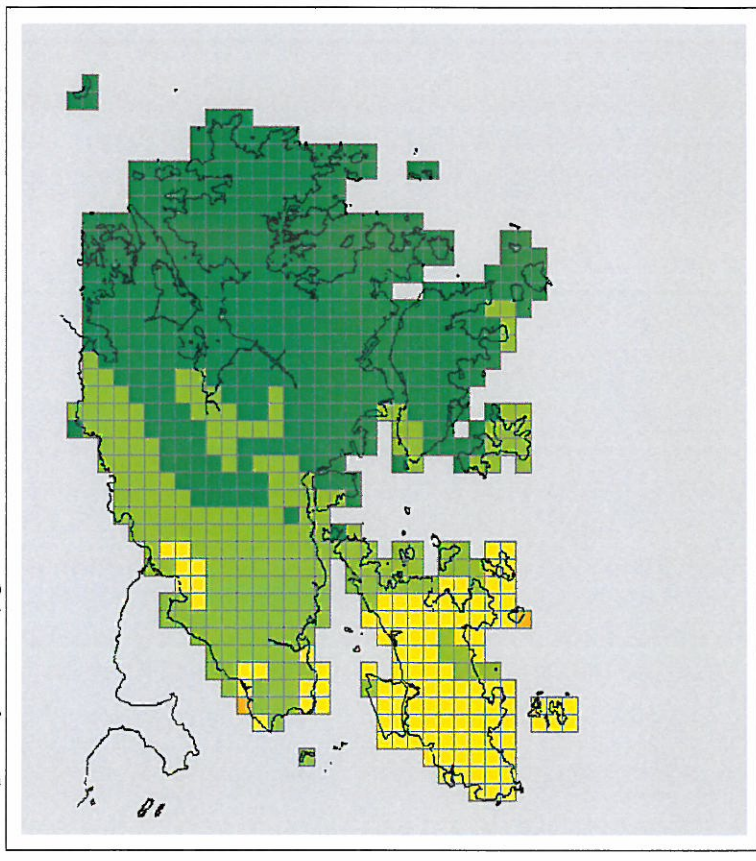


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(0 - 19m above ground)

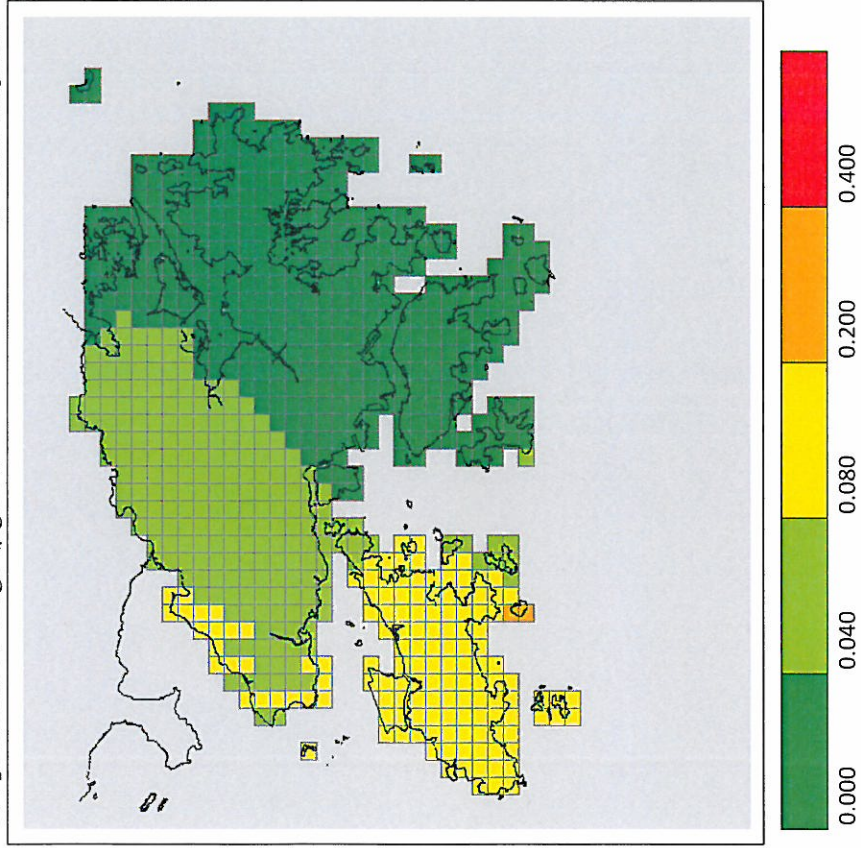


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(0 - 19m above ground)

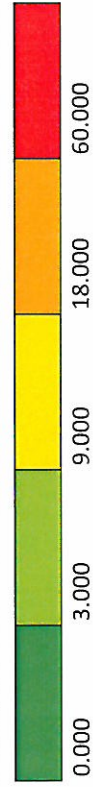
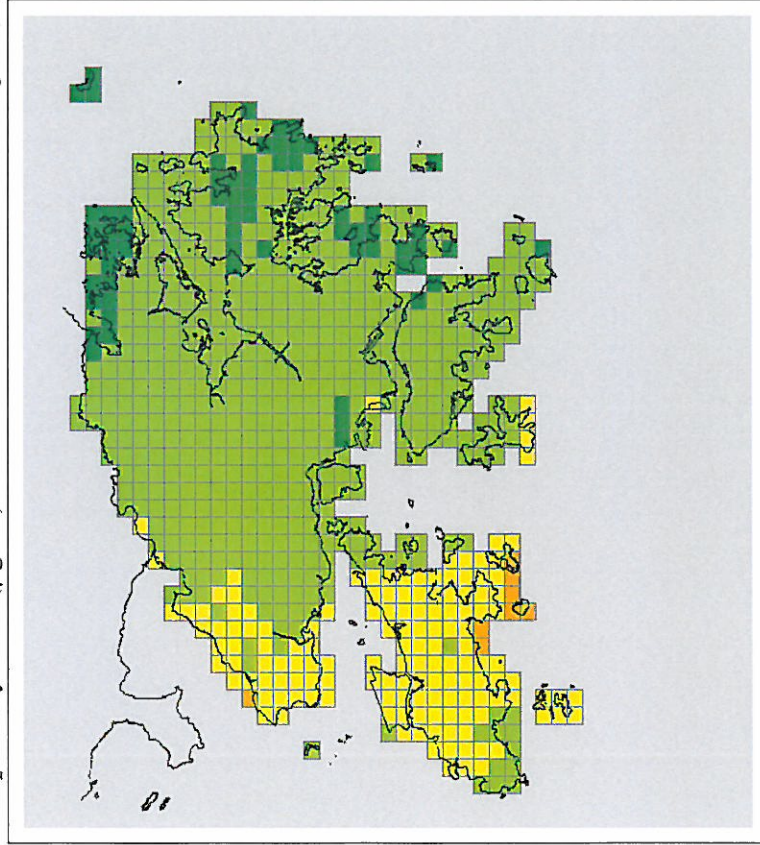


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

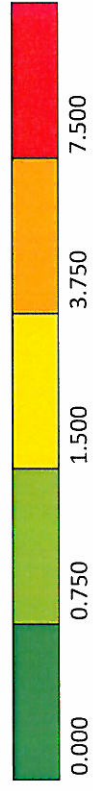
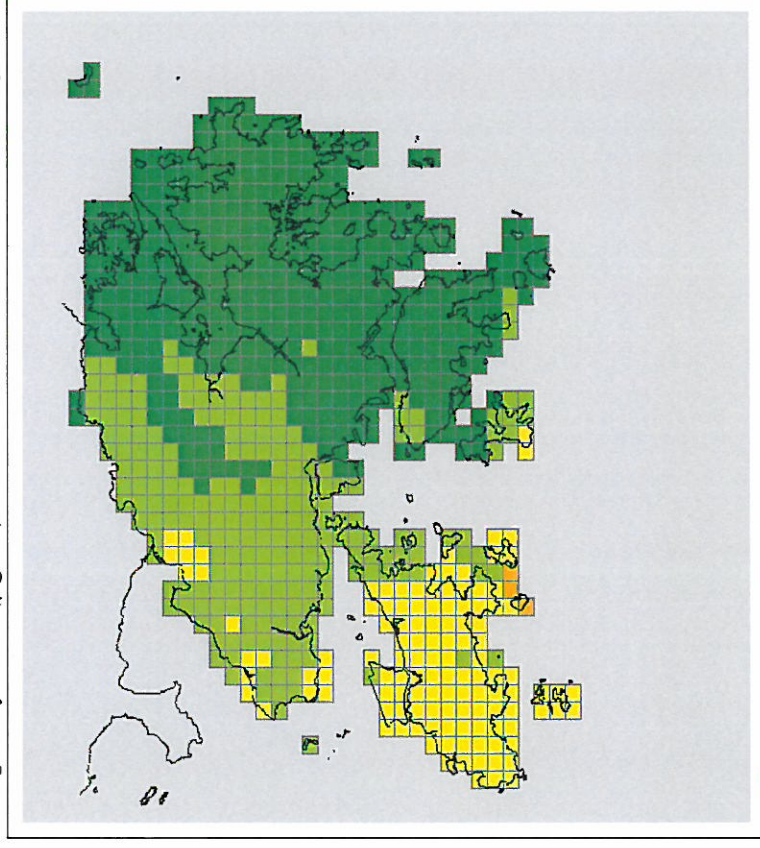


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

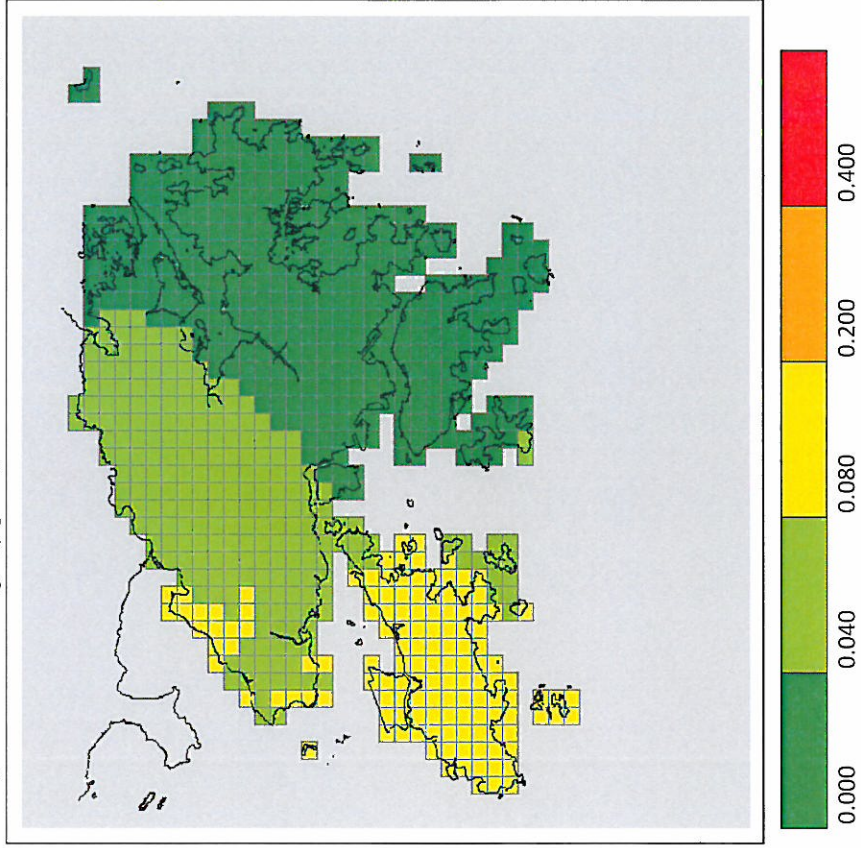


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(19 - 41m above ground)

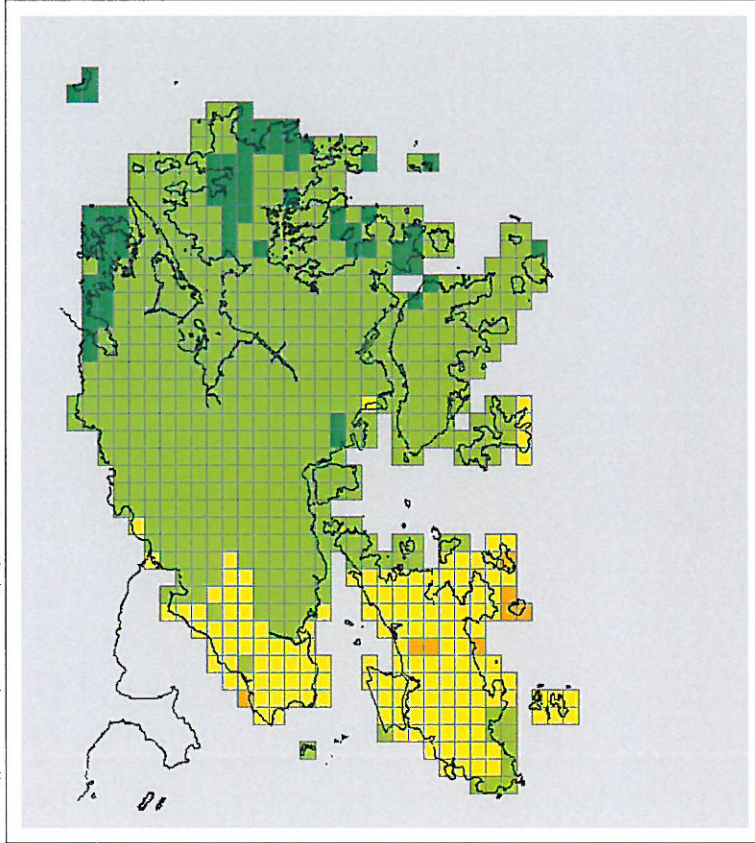


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)

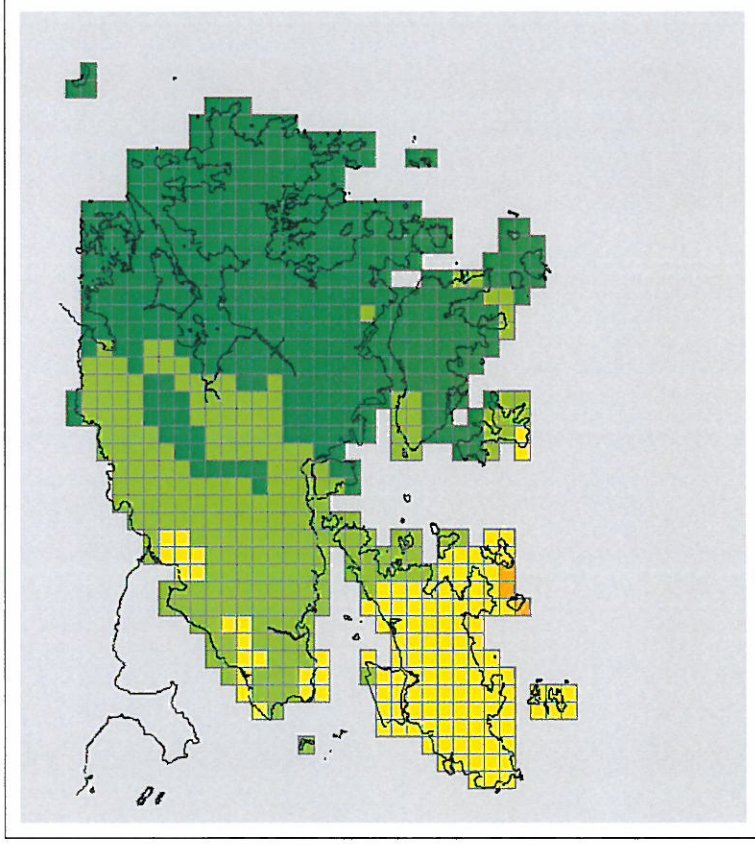


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)

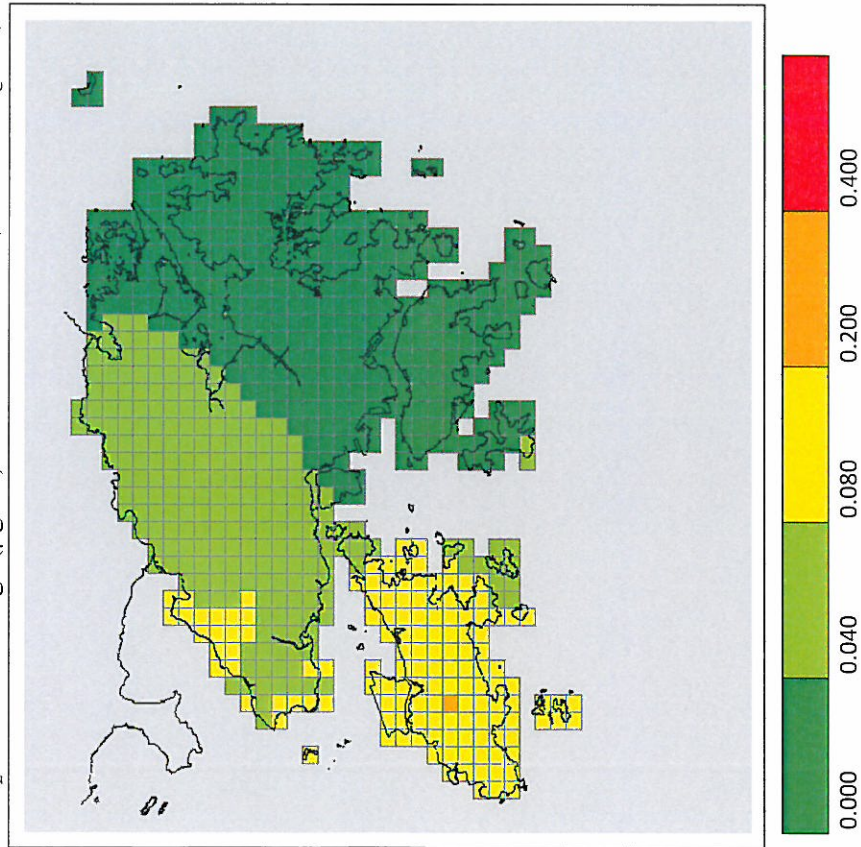


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(41 - 79m above ground)

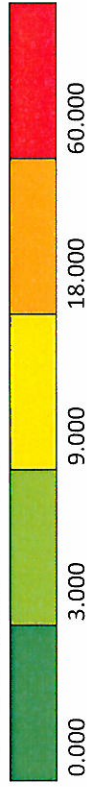
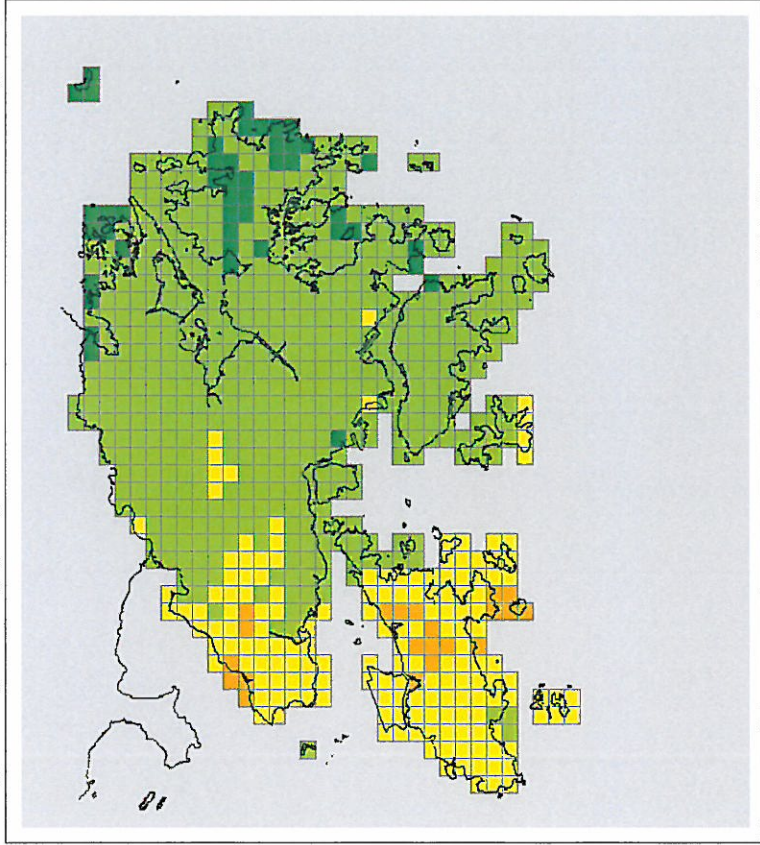


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

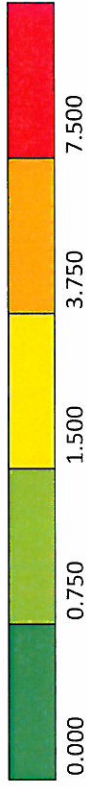
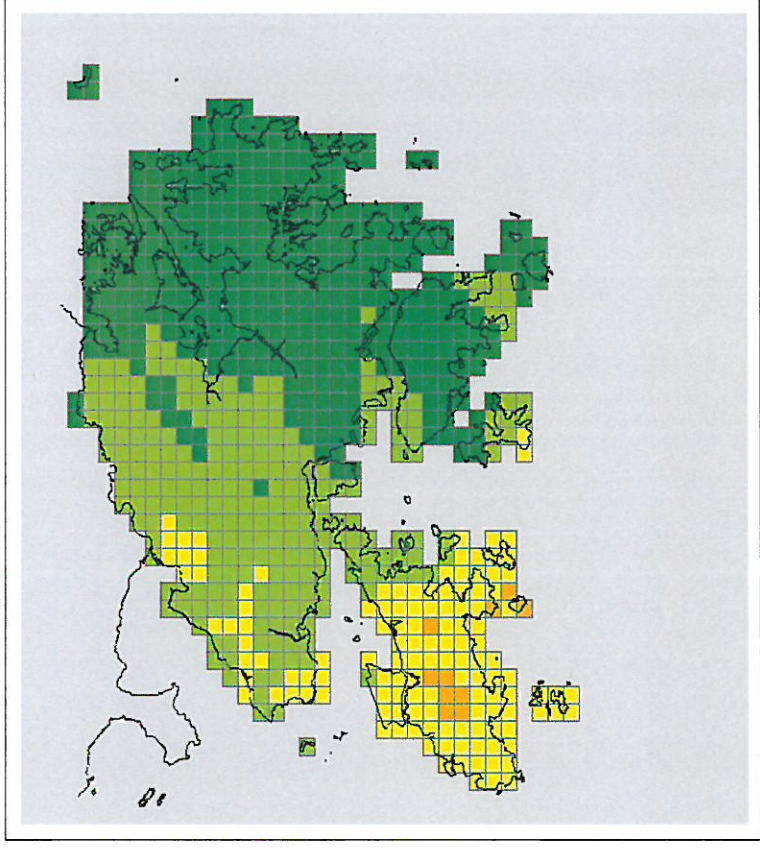


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

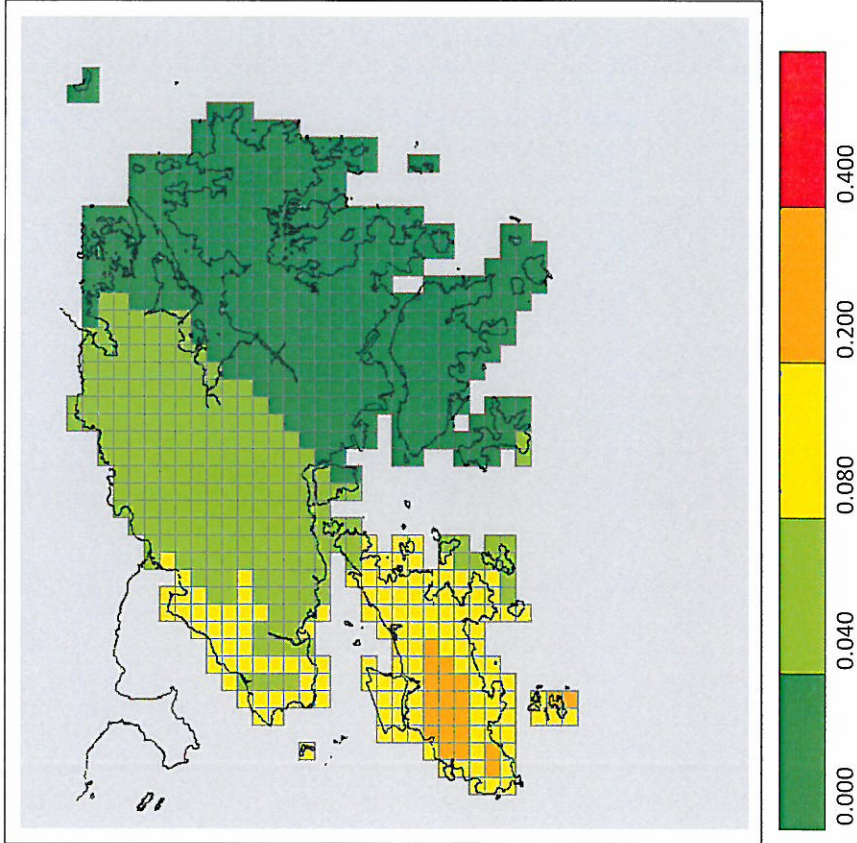


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(79 - 120m above ground)

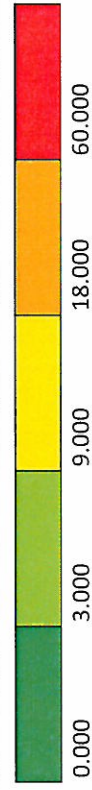
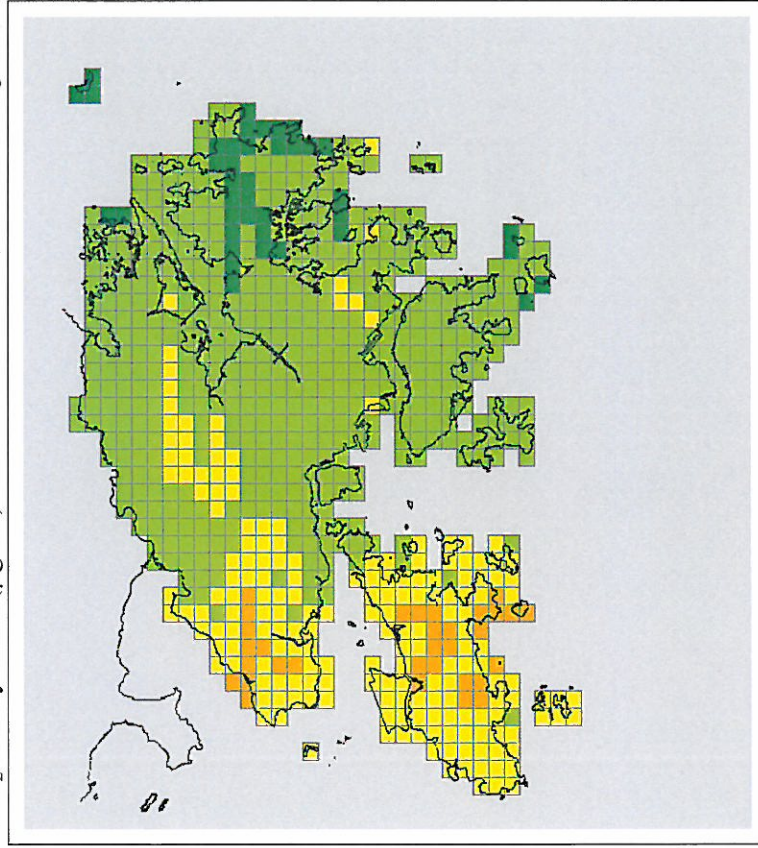


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Hourly Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)

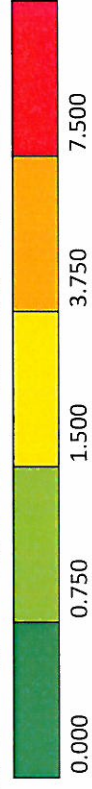
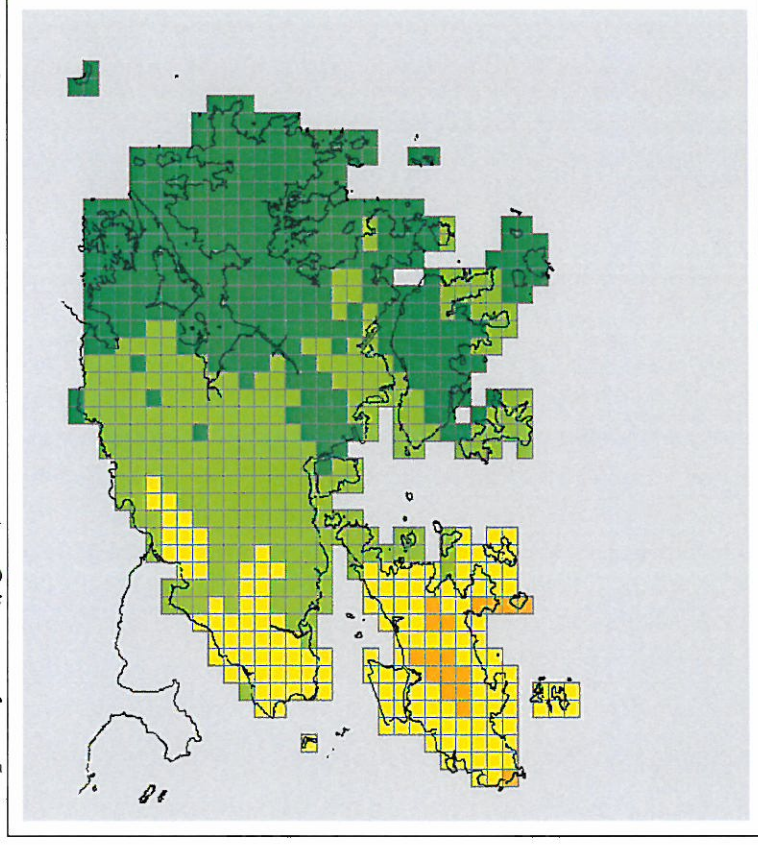


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Daily Max. ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)

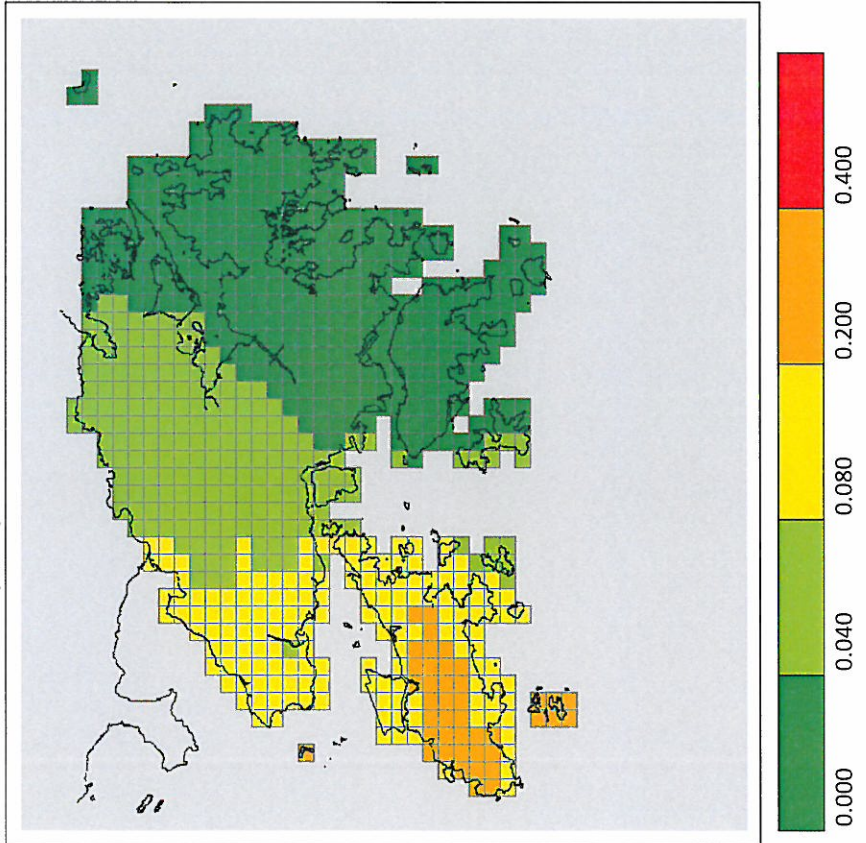


Project Contribution

The IWMF at both the TTAL Site & the Artificial Island near SKC

NO₂ Annual Average ($\mu\text{g}/\text{m}^3$)

(120 - 175m above ground)



The IWMF at both the TTAL Site & the Artificial Island near SKC

0 to 19m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.1	0.4	0.023	0.70%	0.29%	0.03%
	25_27	2.9	0.4	0.022	0.97%	0.28%	0.03%
North Lantau Island	8_23	13.9	3.0	0.170	4.63%	2.03%	0.21%
	8_24	12.8	2.0	0.137	4.27%	1.36%	0.17%
	9_23	13.4	2.6	0.170	4.47%	1.74%	0.21%
	10_23	14.4	2.4	0.166	4.80%	1.62%	0.21%
	11_23	14.7	2.1	0.153	4.90%	1.39%	0.19%
	11_24	12.1	2.1	0.135	4.03%	1.39%	0.17%
Airport Island	9_24	12.4	2.5	0.138	4.13%	1.64%	0.17%
	10_24	14.7	2.3	0.153	4.90%	1.56%	0.19%
	10_25	10.4	1.7	0.117	3.47%	1.11%	0.15%
	10_26	10.2	1.1	0.083	3.40%	0.74%	0.10%
	11_26	14.1	2.1	0.109	4.70%	1.39%	0.14%
Shek Kwu Chau and Cheung Chau	14_16	25.1	6.1	0.236	8.37%	4.04%	0.29%
	16_17	17.5	3.5	0.079	5.83%	2.34%	0.10%
	17_17	16.0	3.0	0.059	5.33%	1.98%	0.07%
	17_18	7.9	1.9	0.072	2.63%	1.25%	0.09%
South Lantau Island	10_19	11.1	2.1	0.142	3.70%	1.40%	0.18%
	11_19	7.9	1.5	0.141	2.63%	0.98%	0.18%
	14_18	13.5	3.0	0.199	4.50%	1.99%	0.25%
Nim Wan and Lung Kwu Tang Area	8_32	7.3	0.9	0.079	2.43%	0.59%	0.10%
	8_33	13.2	1.7	0.069	4.40%	1.11%	0.09%
	9_33	9.8	1.5	0.082	3.27%	0.97%	0.10%
	9_34	30.3	4.0	0.122	10.10%	2.64%	0.15%
	10_34	9.4	1.7	0.071	3.13%	1.11%	0.09%
Tuen Mun	12_32	7.7	1.2	0.061	2.57%	0.81%	0.08%
	12_33	6.6	1.2	0.058	2.20%	0.79%	0.07%
	13_32	6.4	1.2	0.070	2.13%	0.79%	0.09%

19 to 41m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.4	0.4	0.021	0.82%	0.26%	0.03%
	25_27	3.2	0.5	0.021	1.07%	0.32%	0.03%
North Lantau Island	8_23	12.0	3.3	0.176	4.01%	2.22%	0.22%
	8_24	11.9	2.5	0.141	3.95%	1.68%	0.18%
	9_23	14.3	3.1	0.176	4.77%	2.04%	0.22%
	10_23	17.3	2.5	0.172	5.77%	1.64%	0.21%
	11_23	12.6	2.4	0.161	4.20%	1.57%	0.20%
	11_24	12.0	2.4	0.145	4.01%	1.58%	0.18%
Airport Island	9_24	15.8	2.5	0.141	5.27%	1.67%	0.18%
	10_24	16.0	2.5	0.153	5.33%	1.69%	0.19%
	10_25	10.3	1.9	0.118	3.45%	1.24%	0.15%
	10_26	9.6	1.1	0.086	3.20%	0.76%	0.11%
	11_26	13.2	2.0	0.114	4.39%	1.36%	0.14%
Tuen Mun	12_32	8.8	1.2	0.062	2.95%	0.82%	0.08%
	12_33	11.5	1.3	0.059	3.83%	0.86%	0.07%
	13_32	7.9	1.2	0.072	2.63%	0.83%	0.09%

41 to 79m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.4	0.4	0.021	0.82%	0.27%	0.03%
	25_27	3.6	0.5	0.022	1.19%	0.33%	0.03%
North Lantau Island	8_23	11.5	3.3	0.179	3.83%	2.17%	0.22%
	8_24	12.2	2.4	0.142	4.08%	1.61%	0.18%
	9_23	14.5	3.1	0.178	4.83%	2.08%	0.22%
	10_23	17.7	2.5	0.179	5.89%	1.68%	0.22%
	11_23	14.1	2.8	0.173	4.70%	1.84%	0.22%
	11_24	13.2	2.6	0.155	4.39%	1.76%	0.19%
Tuen Mun	12_32	9.0	1.3	0.066	3.01%	0.86%	0.08%
	12_33	11.7	1.4	0.063	3.89%	0.95%	0.08%
	13_32	7.9	1.2	0.073	2.63%	0.83%	0.09%

79 to 120m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
Kwai Tsing	24_28	2.8	0.5	0.027	0.94%	0.30%	0.03%
	25_27	4.1	0.7	0.028	1.38%	0.43%	0.03%
North Lantau Island	8_23	10.3	3.1	0.186	3.45%	2.06%	0.23%
	8_24	12.6	2.3	0.150	4.20%	1.54%	0.19%
	9_23	14.3	3.2	0.187	4.77%	2.13%	0.23%
	10_23	18.1	3.1	0.195	6.02%	2.05%	0.24%
	11_23	16.9	2.9	0.197	5.64%	1.94%	0.25%
	11_24	11.3	2.4	0.173	3.76%	1.62%	0.22%

120 to 175m above ground

District	Grid_Cells	Predicted NO ₂ Concentration from IWMF only (ug/m ³)			Percentage to AQO		
		Hourly Max	Daily Max	Annual	Hourly Max (300)	Daily Max (150)	Annual (80)
North Lantau Island	8_23	11.7	2.5	0.189	3.89%	1.67%	0.24%
	8_24	11.9	2.0	0.158	3.95%	1.31%	0.20%
	9_23	13.9	2.9	0.189	4.64%	1.91%	0.24%
	10_23	18.1	3.5	0.212	6.02%	2.34%	0.26%
	11_23	18.6	4.0	0.228	6.21%	2.64%	0.28%
	11_24	10.2	2.5	0.192	3.39%	1.67%	0.24%

Note:

The above predicted concentration based on PATH model results.