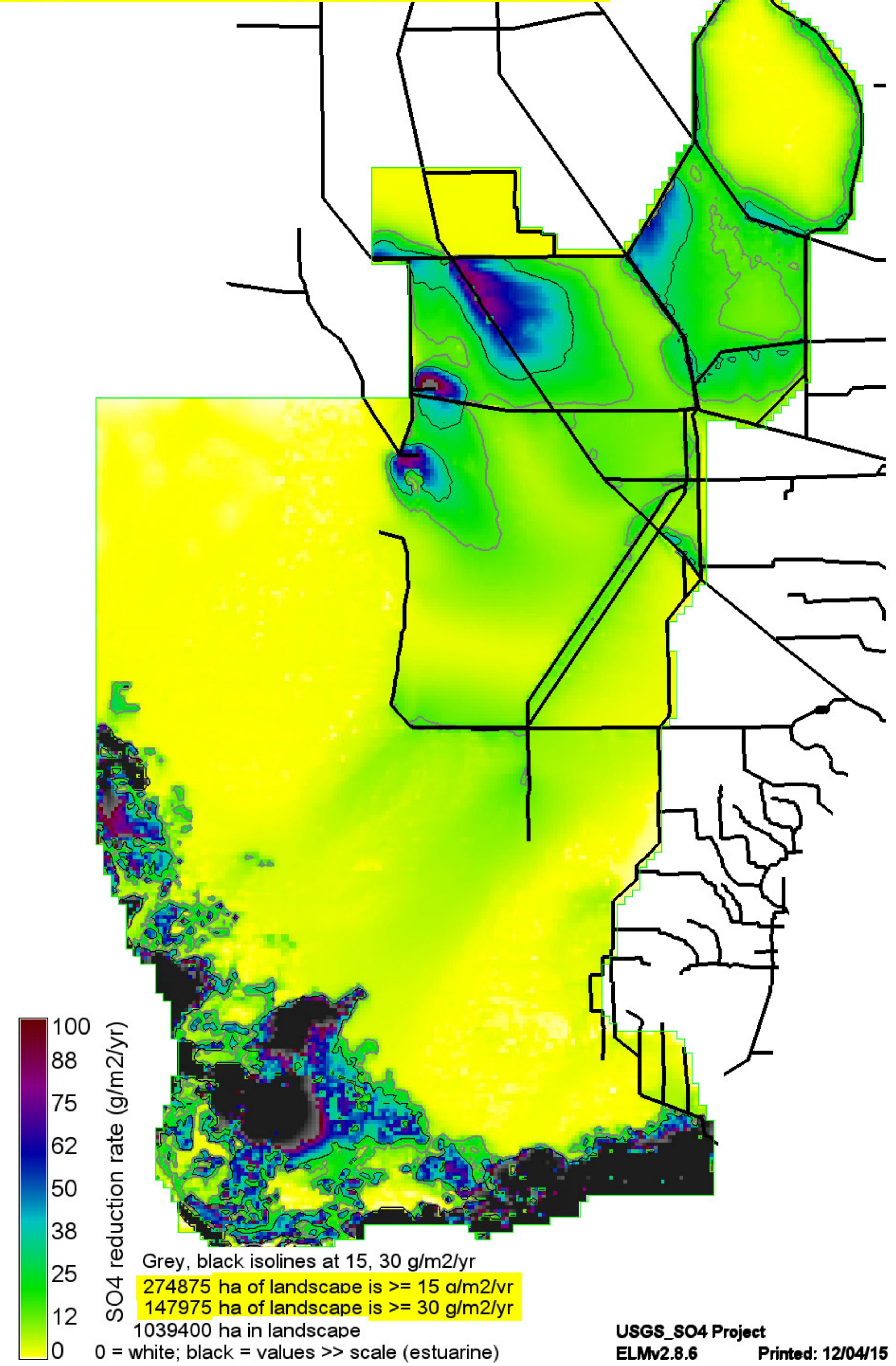
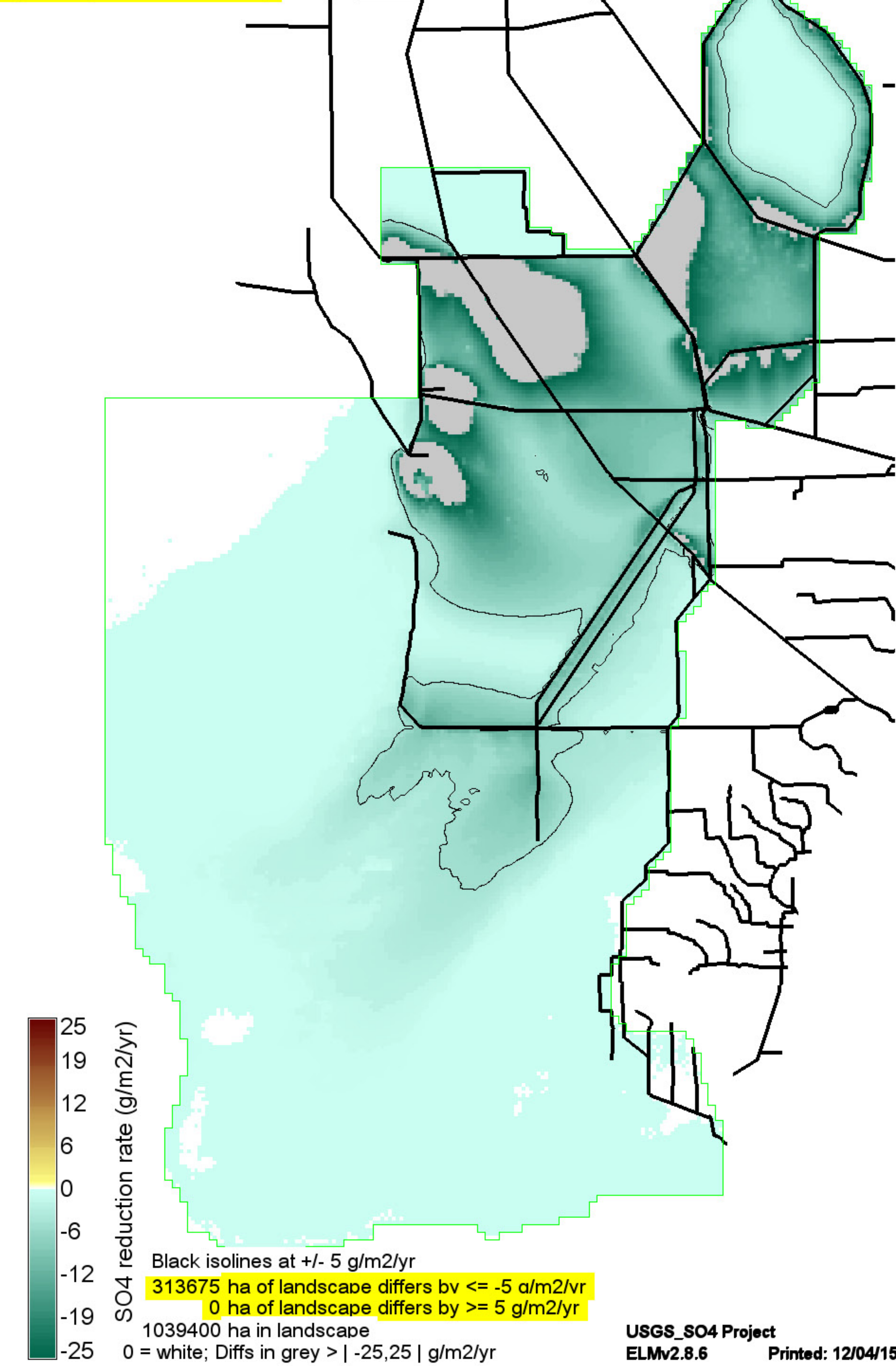


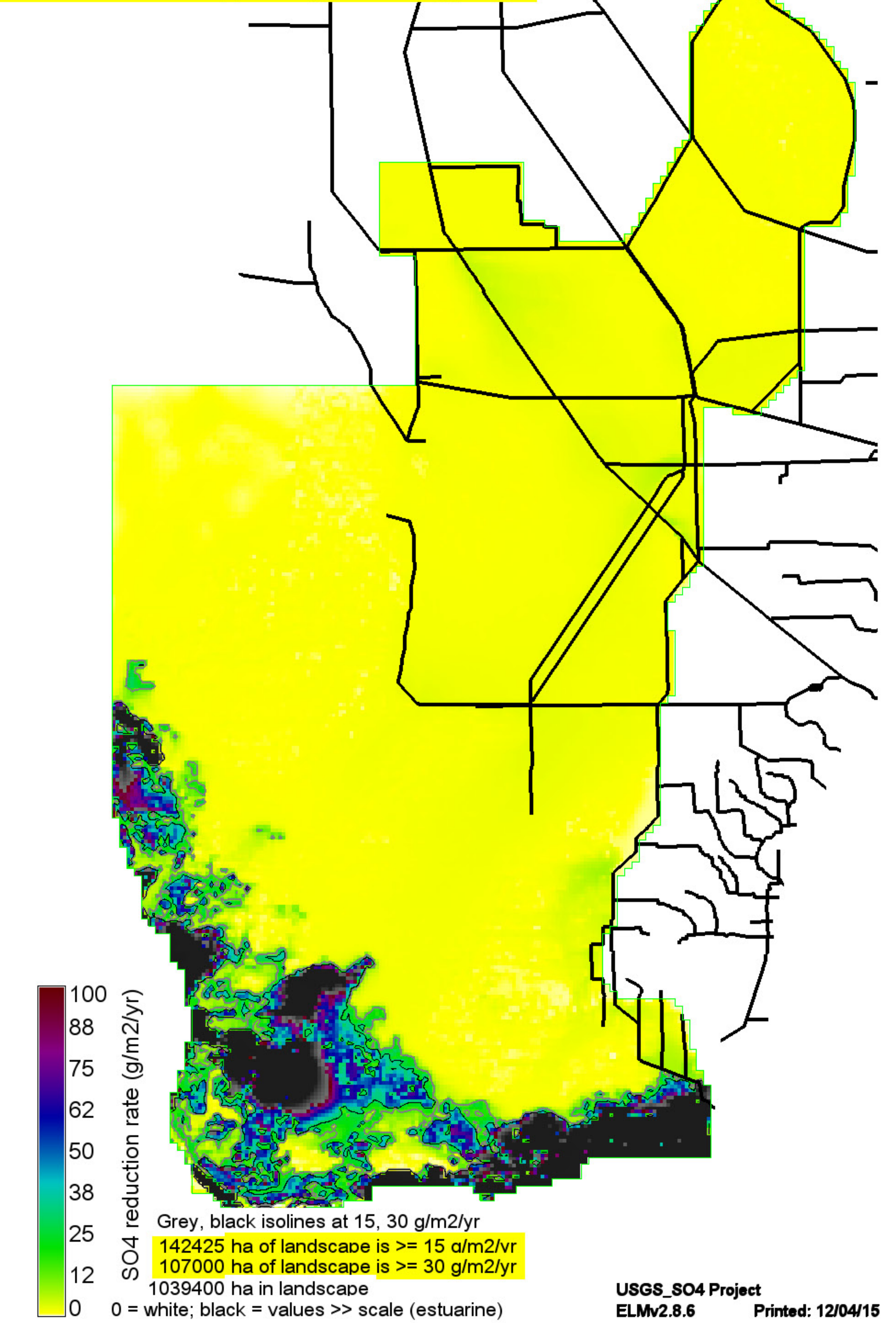
USGS\_Base.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr

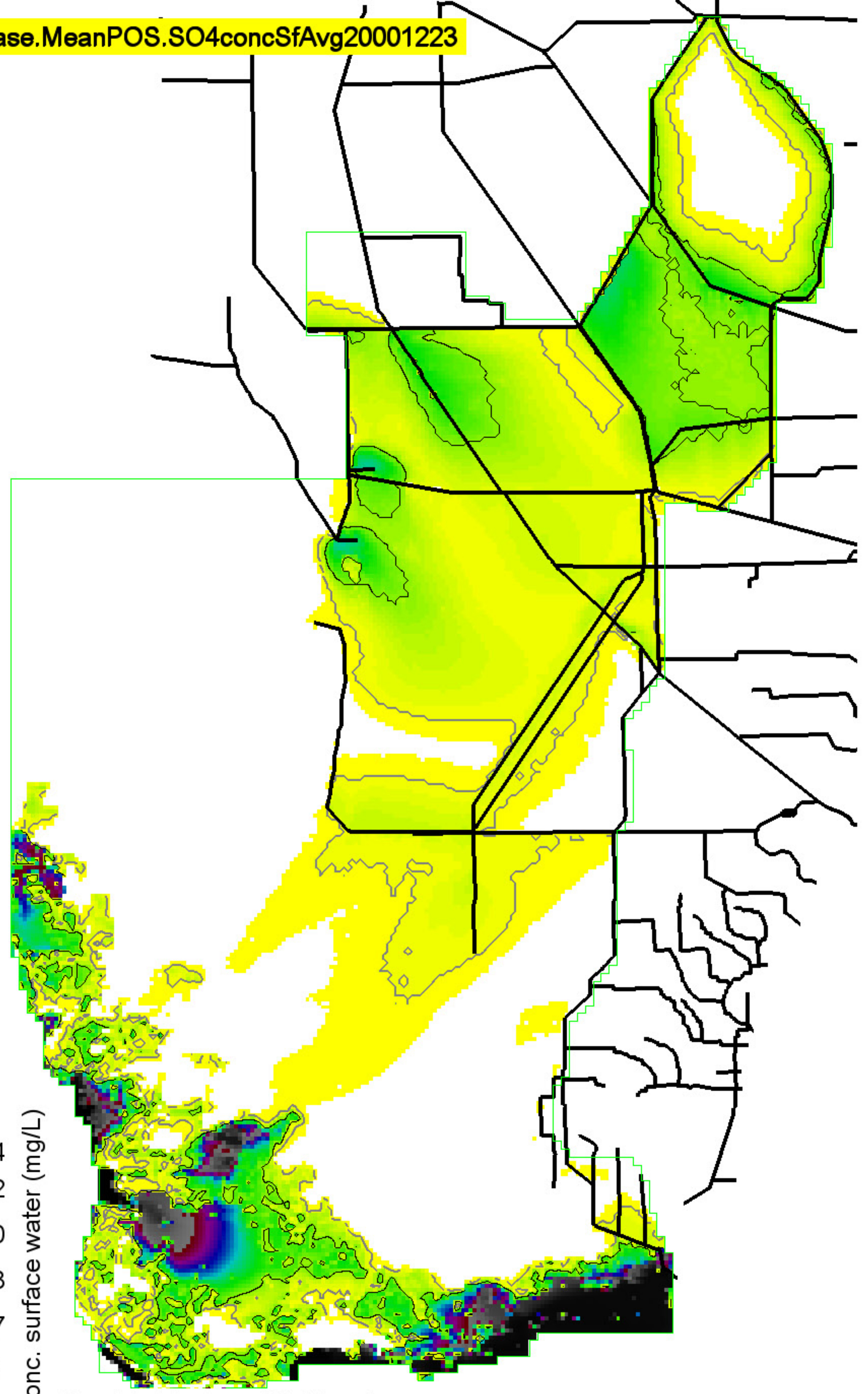


Right Map minus Left Map



ALT1.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr

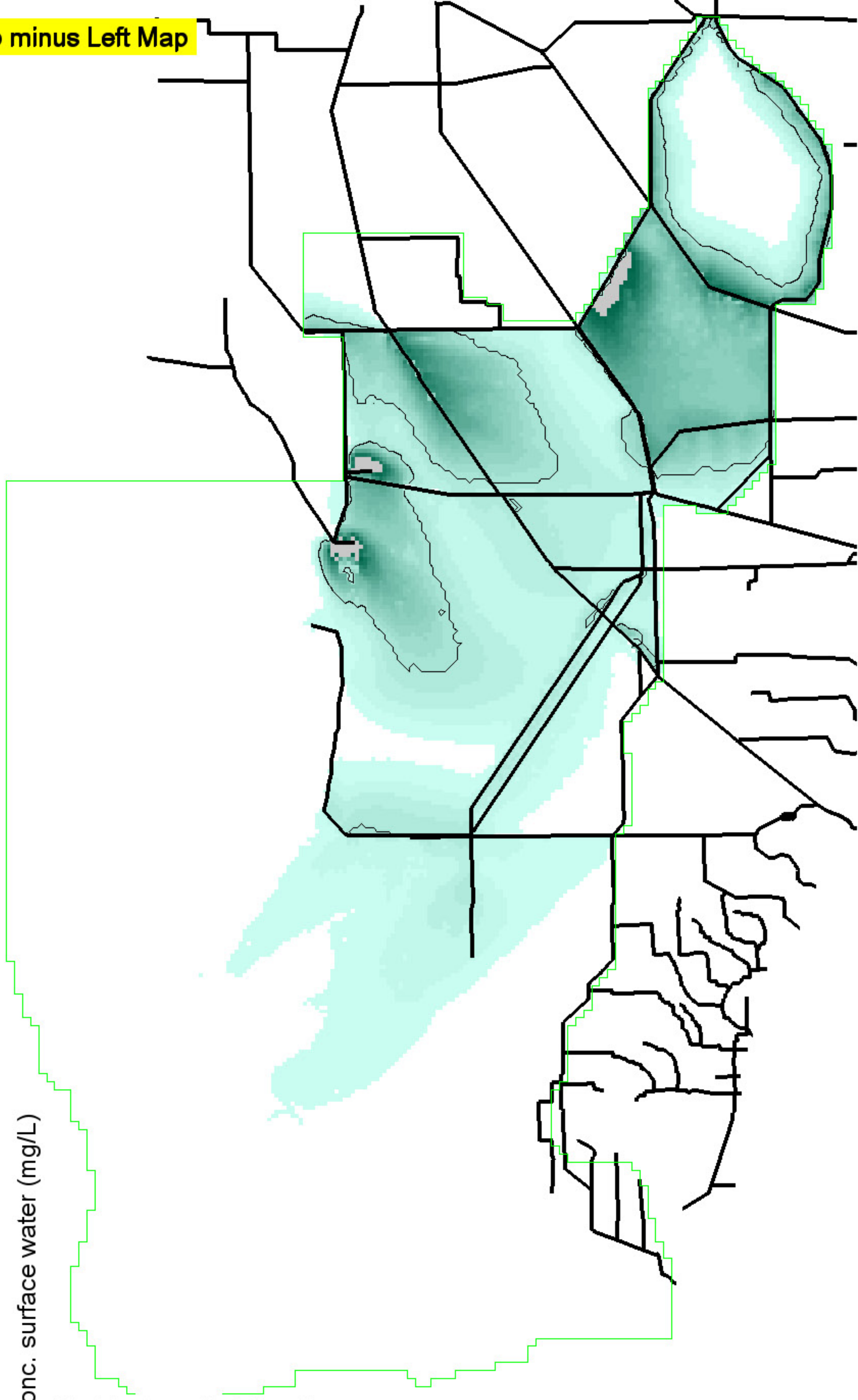




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

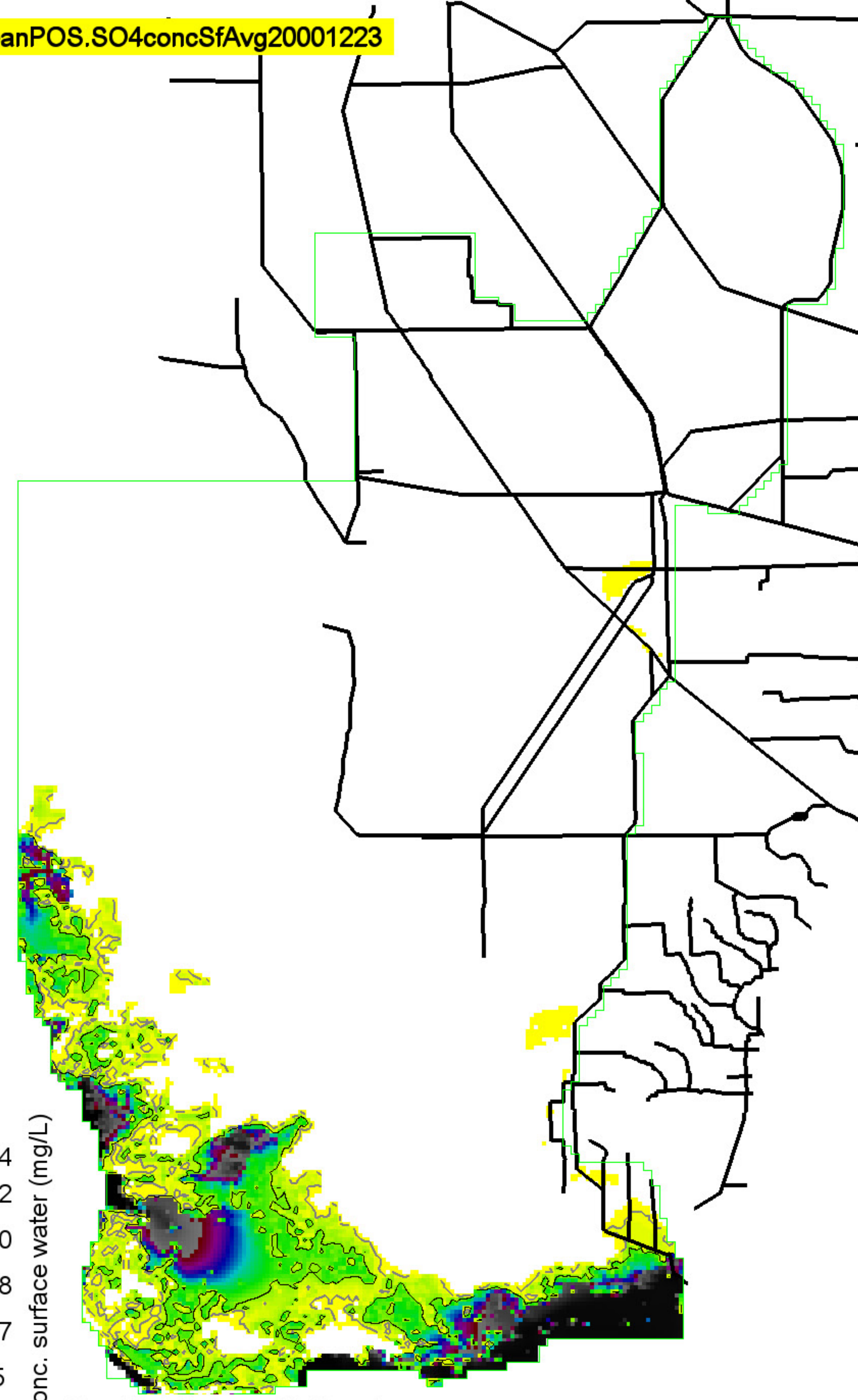
Grey, black isolines at 2, 10 mg/L  
 479025 ha of landscape is  $\geq 2$  md/L  
 160475 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

Black isolines at +/- 5 mg/L  
 137325 ha of landscape differs by  $\leq -5$  md/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L

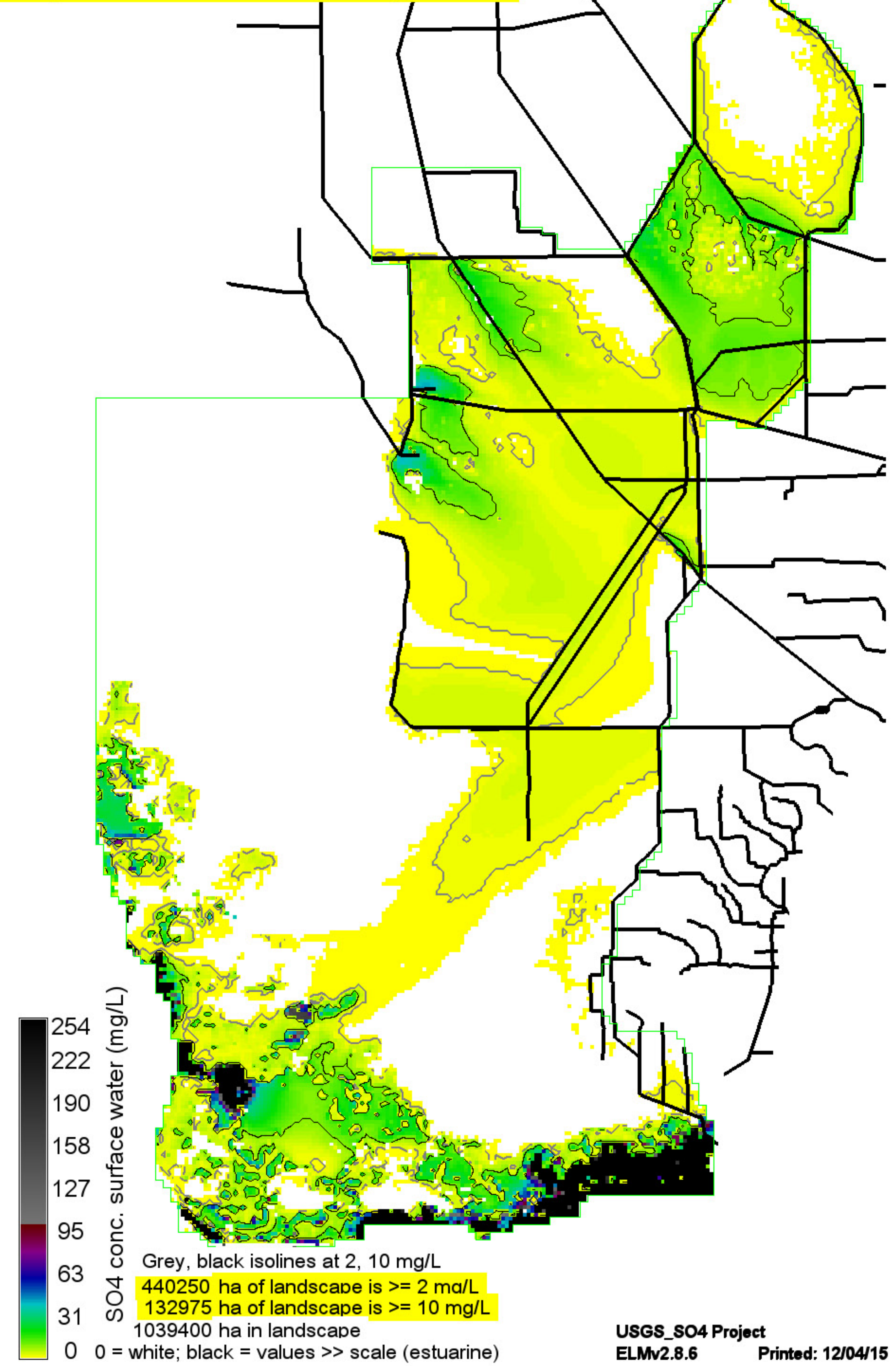


SO4 conc. surface water (mg/L)

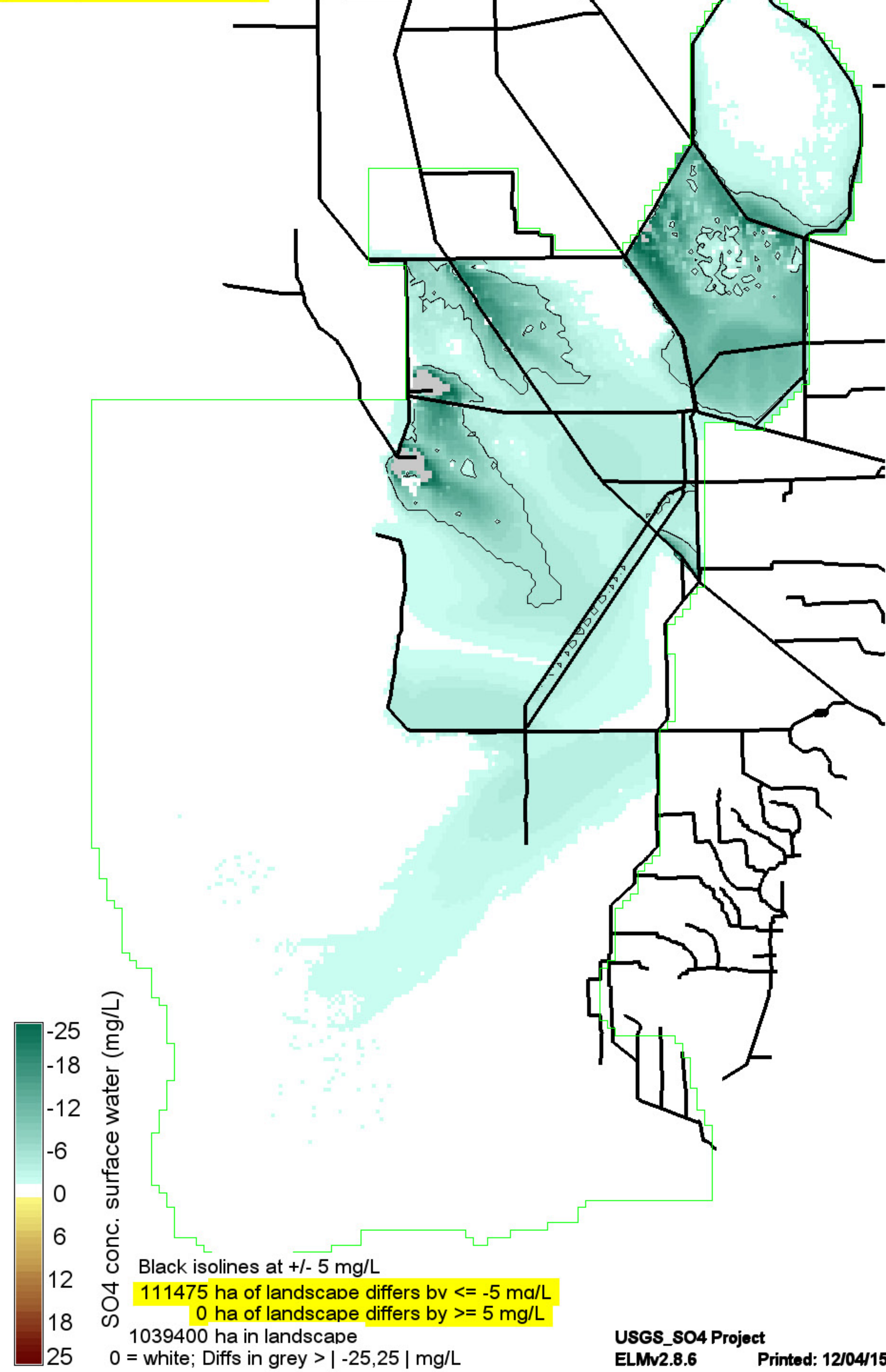
254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 164375 ha of landscape is  $\geq 2$  md/L  
 97625 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

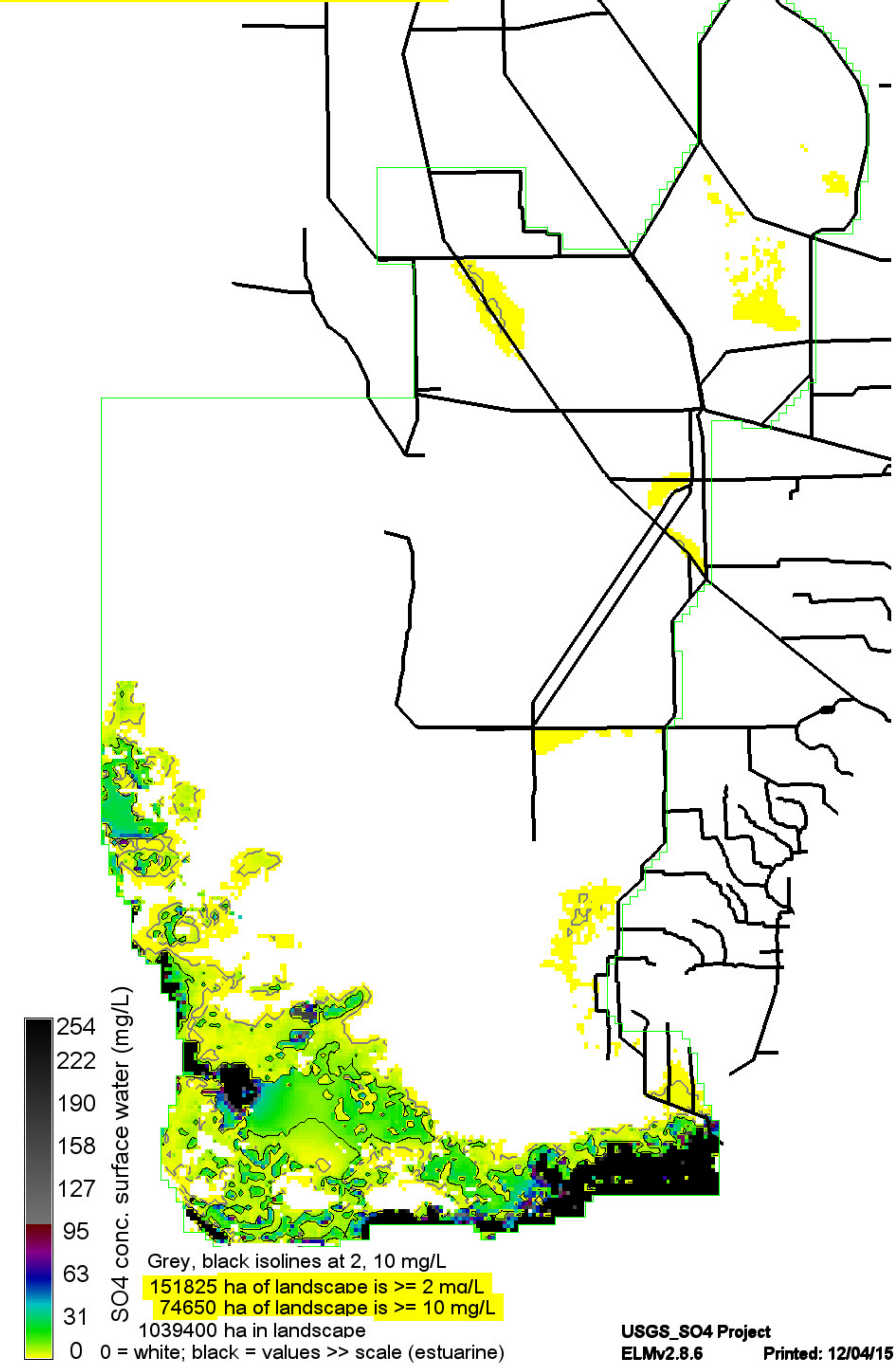
USGS\_Base.MeanRaw.SO4concSfAvg19780423



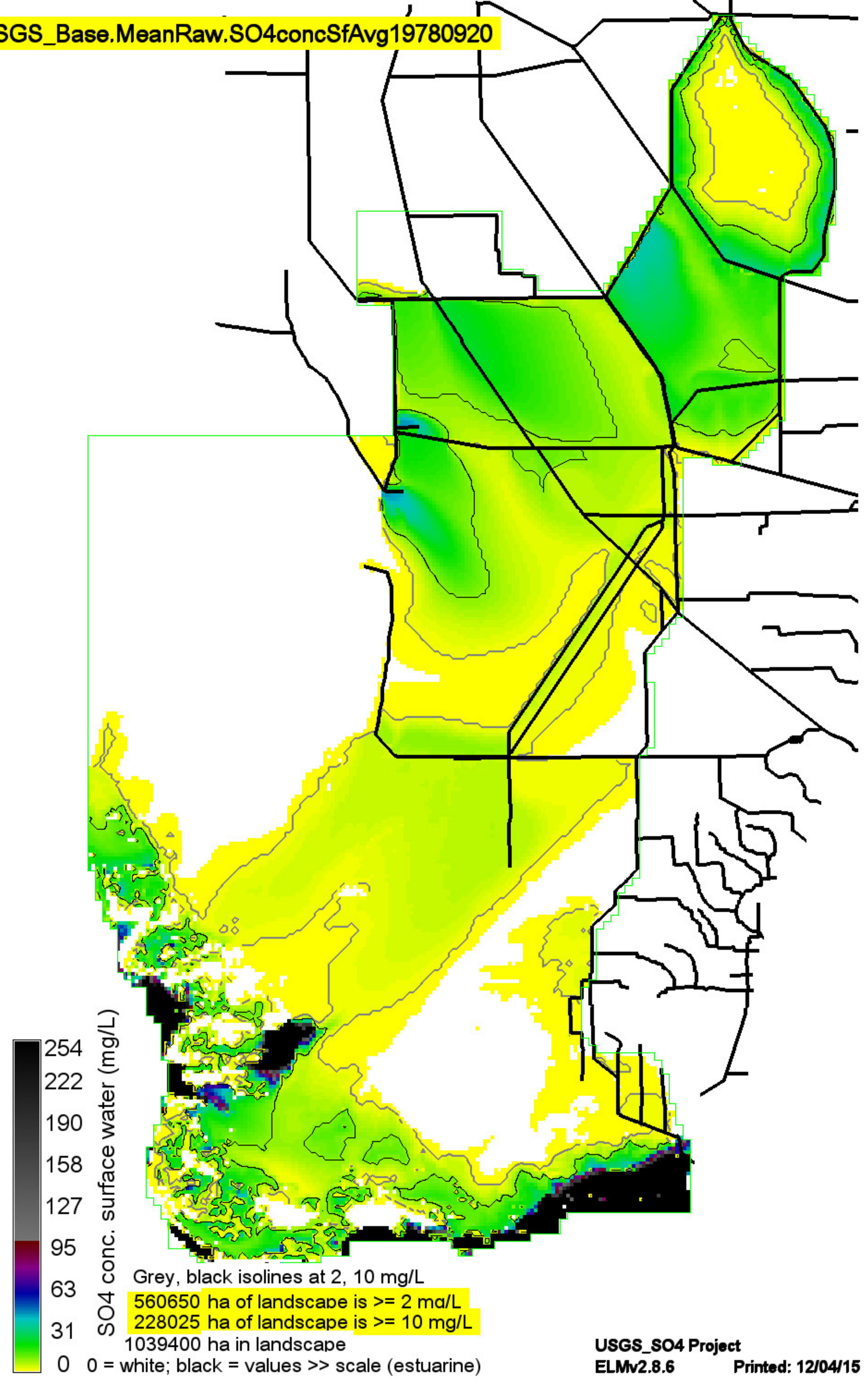
Right Map minus Left Map



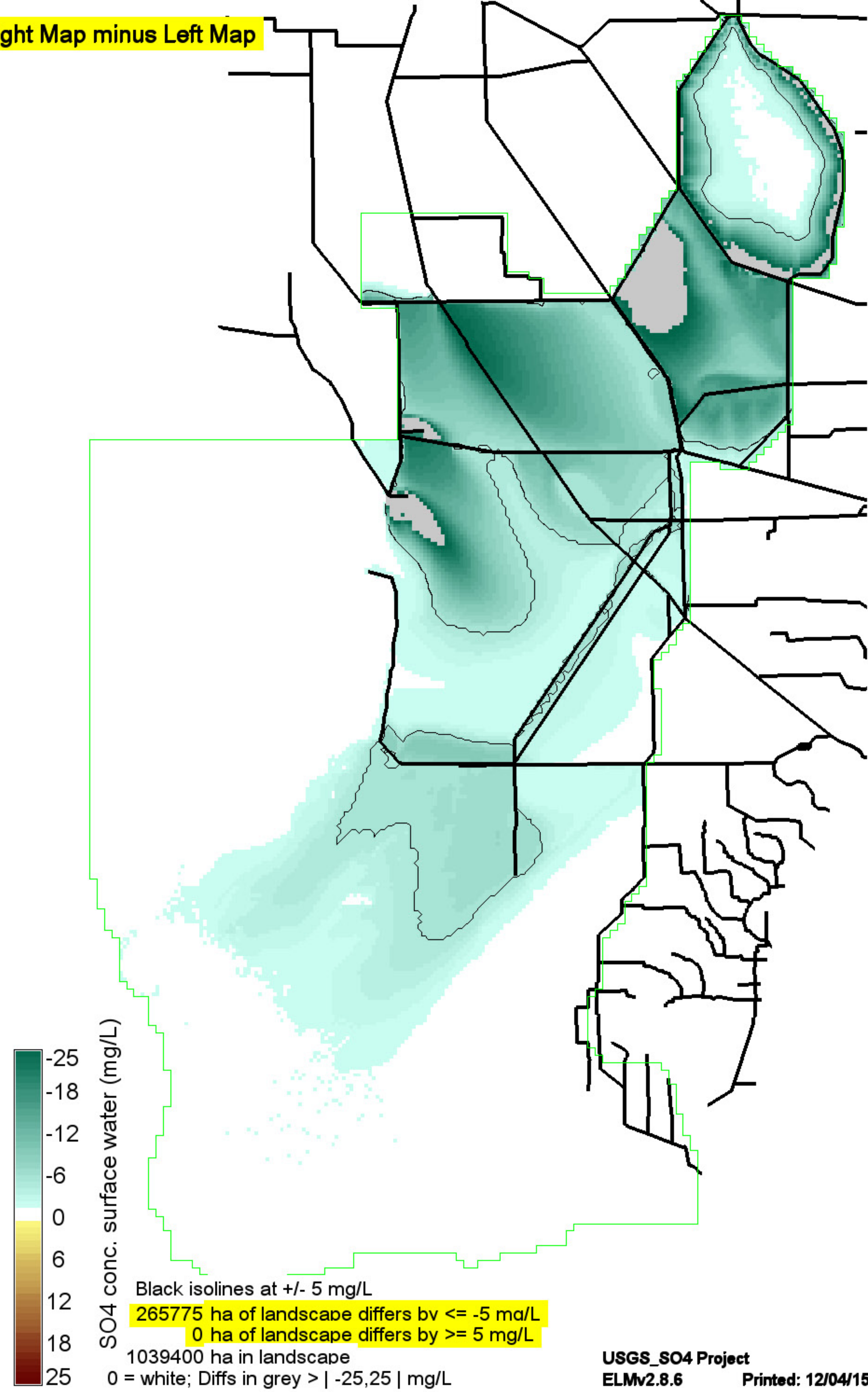
ALT1.MeanRaw.SO4concSfAvg19780423



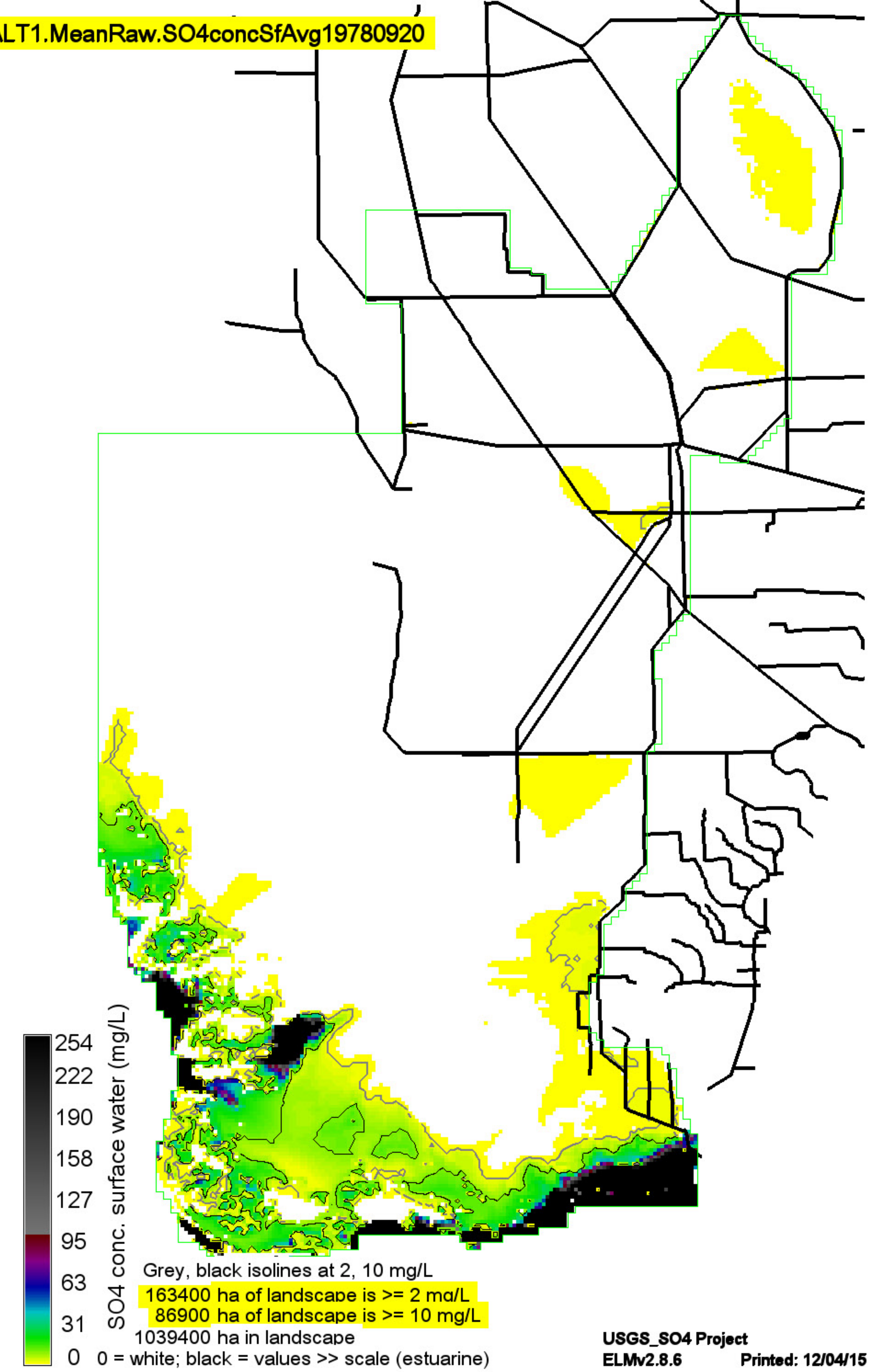
USGS\_Base.MeanRaw.SO4concSfAvg19780920



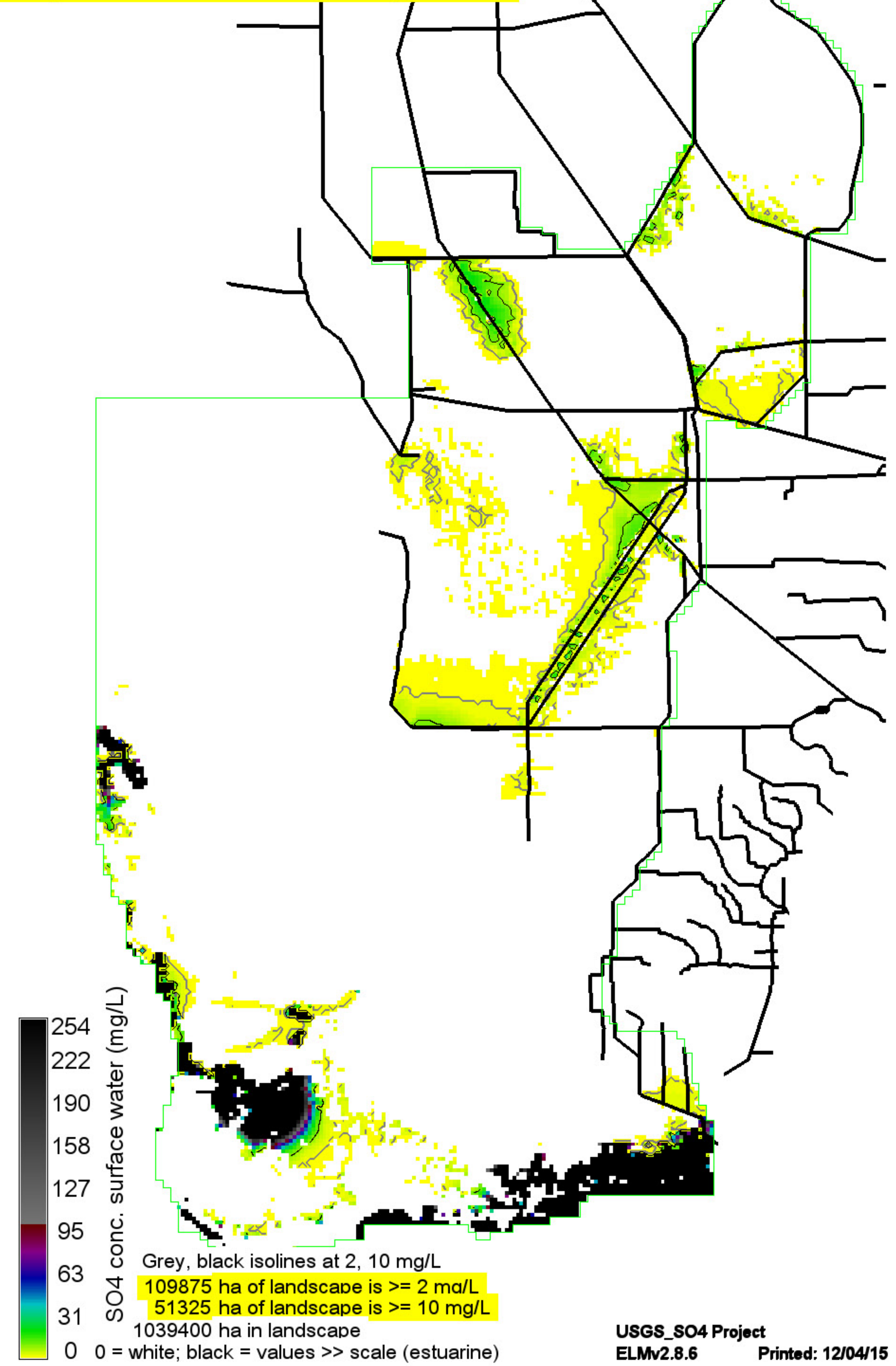
Right Map minus Left Map



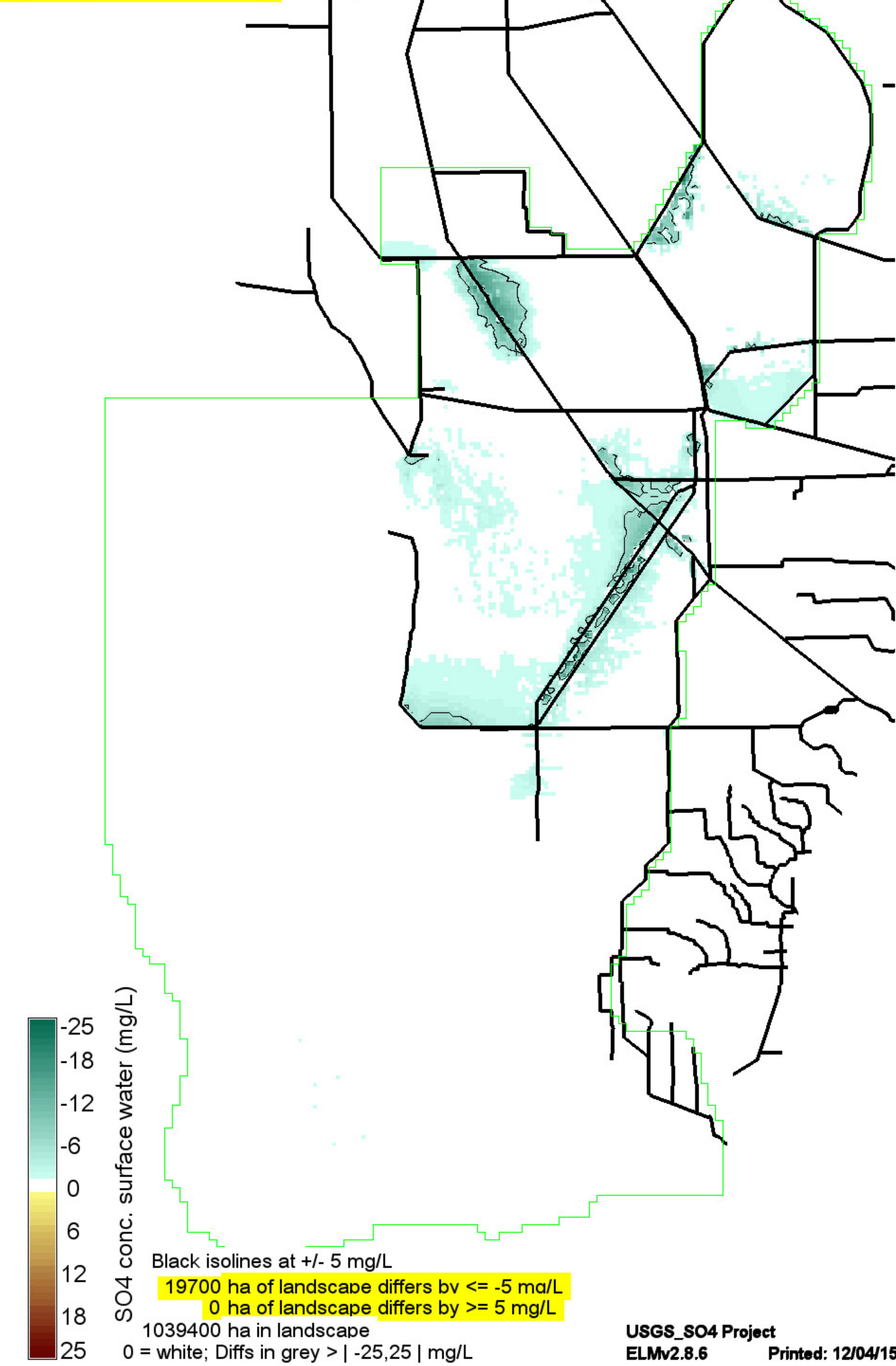
ALT1.MeanRaw.SO4concSfAvg19780920



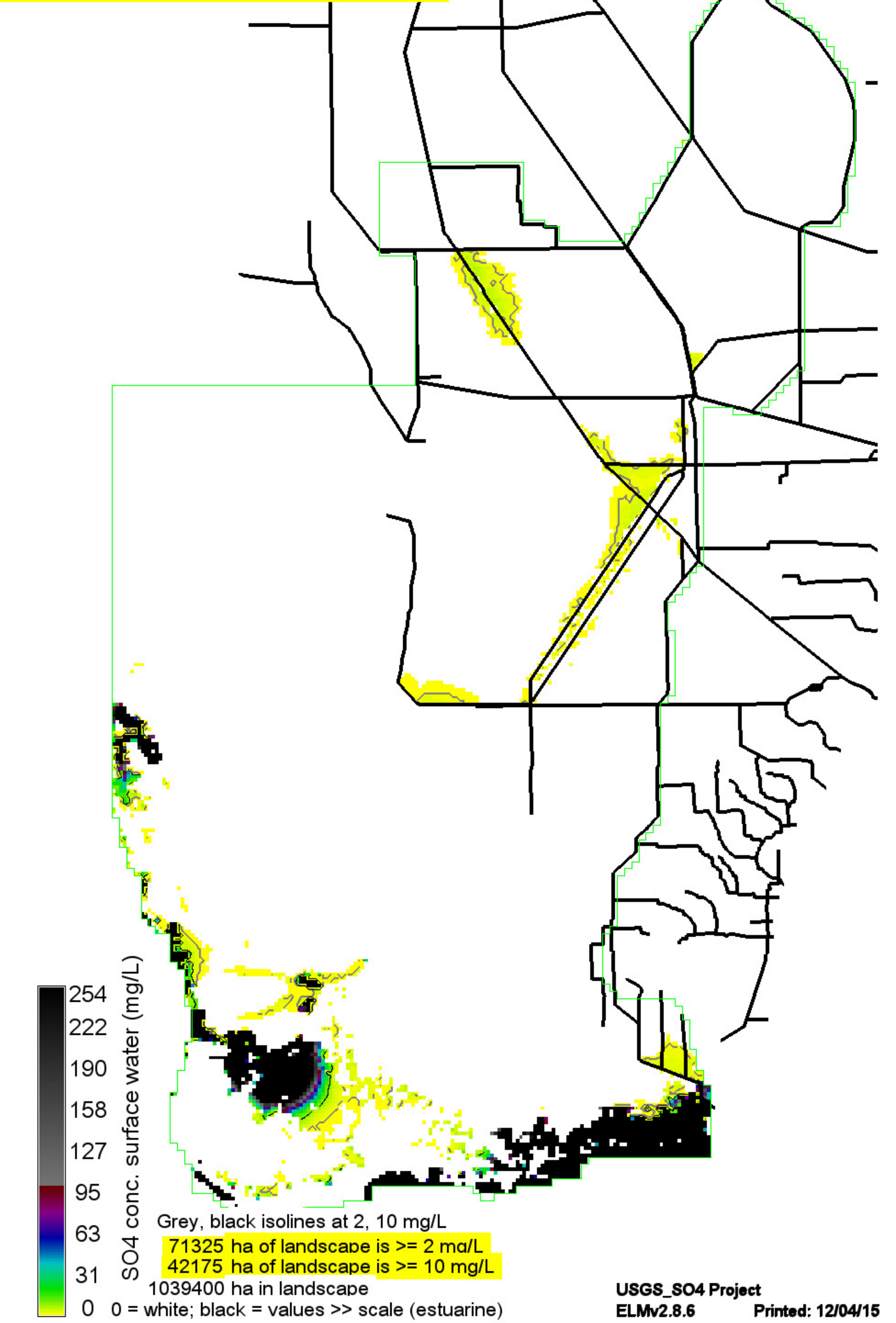
USGS\_Base.MeanRaw.SO4concSfAvg19890425

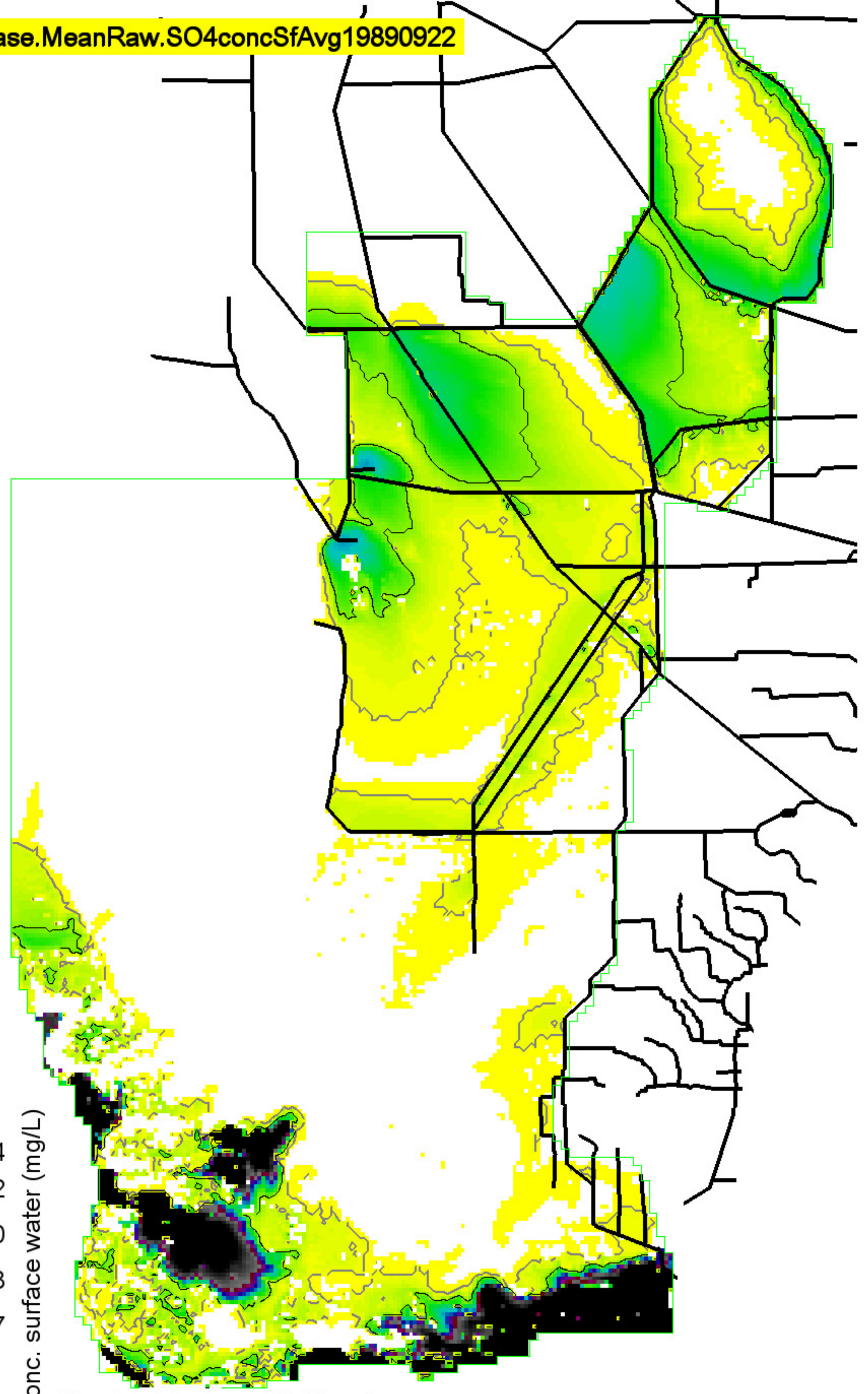


Right Map minus Left Map



ALT1.MeanRaw.SO4concSfAvg19890425

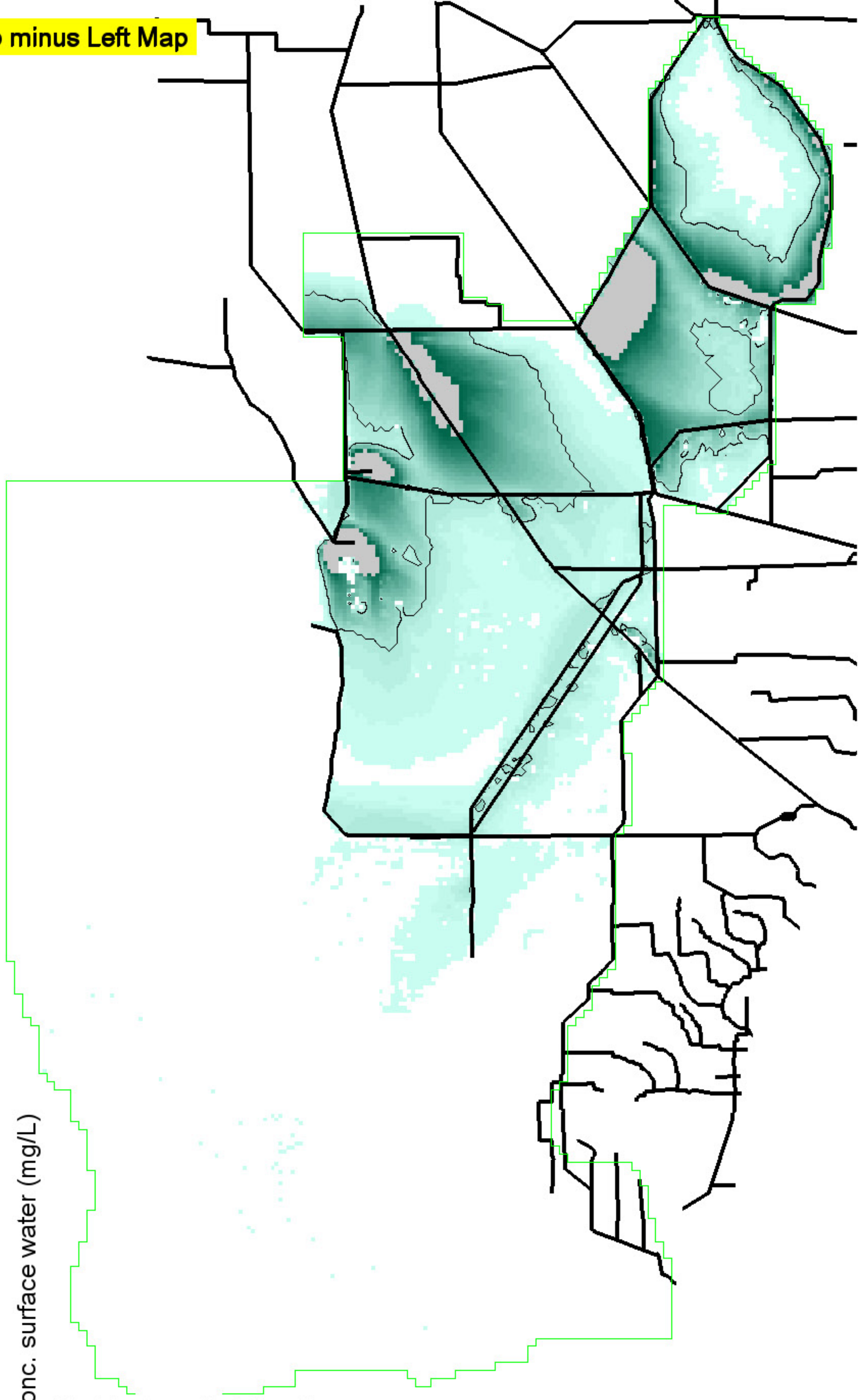




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

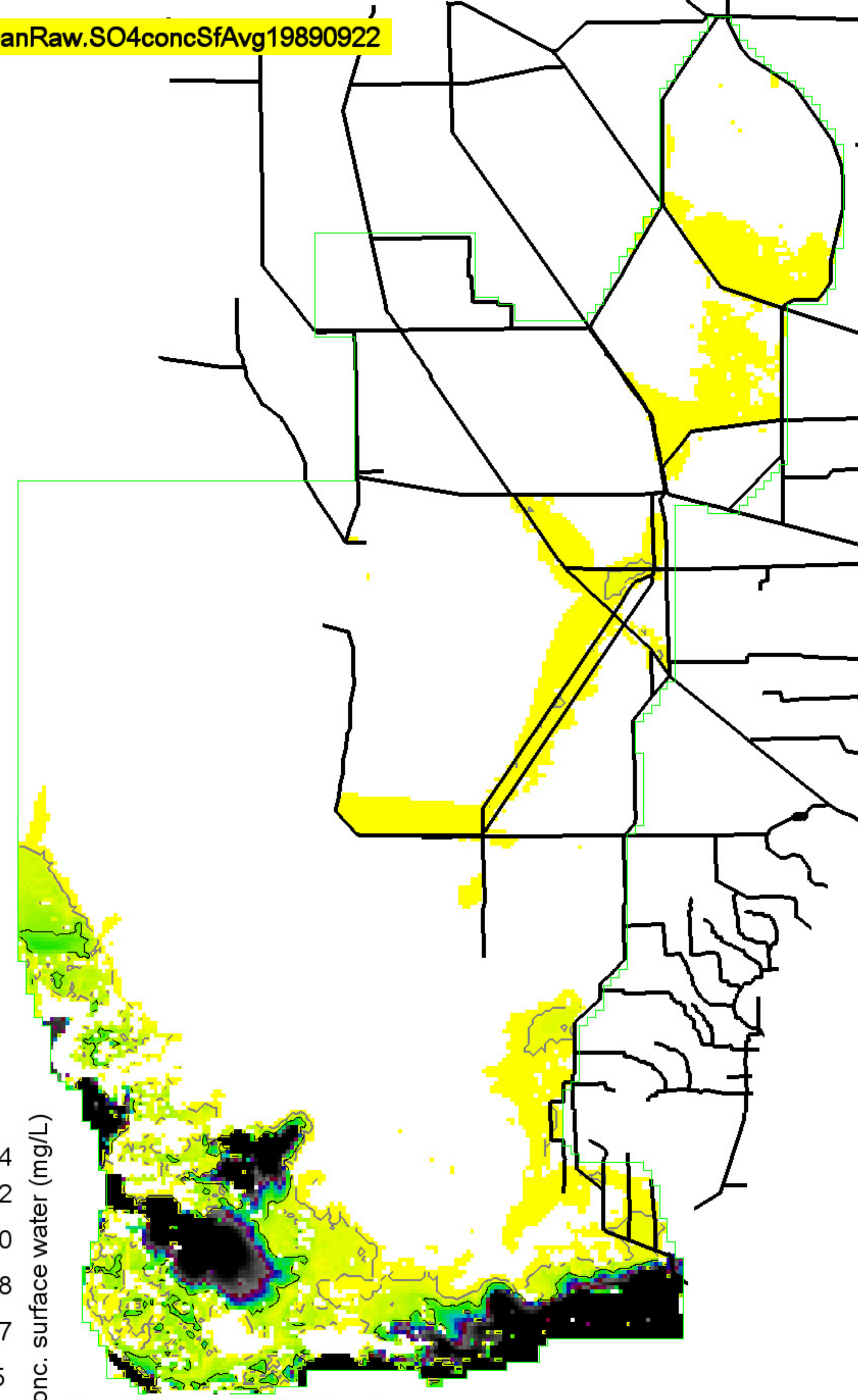
Grey, black isolines at 2, 10 mg/L  
 398375 ha of landscape is >= 2 mg/L  
 165625 ha of landscape is >= 10 mg/L  
 1039400 ha in landscape  
 0 = white; black = values >> scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

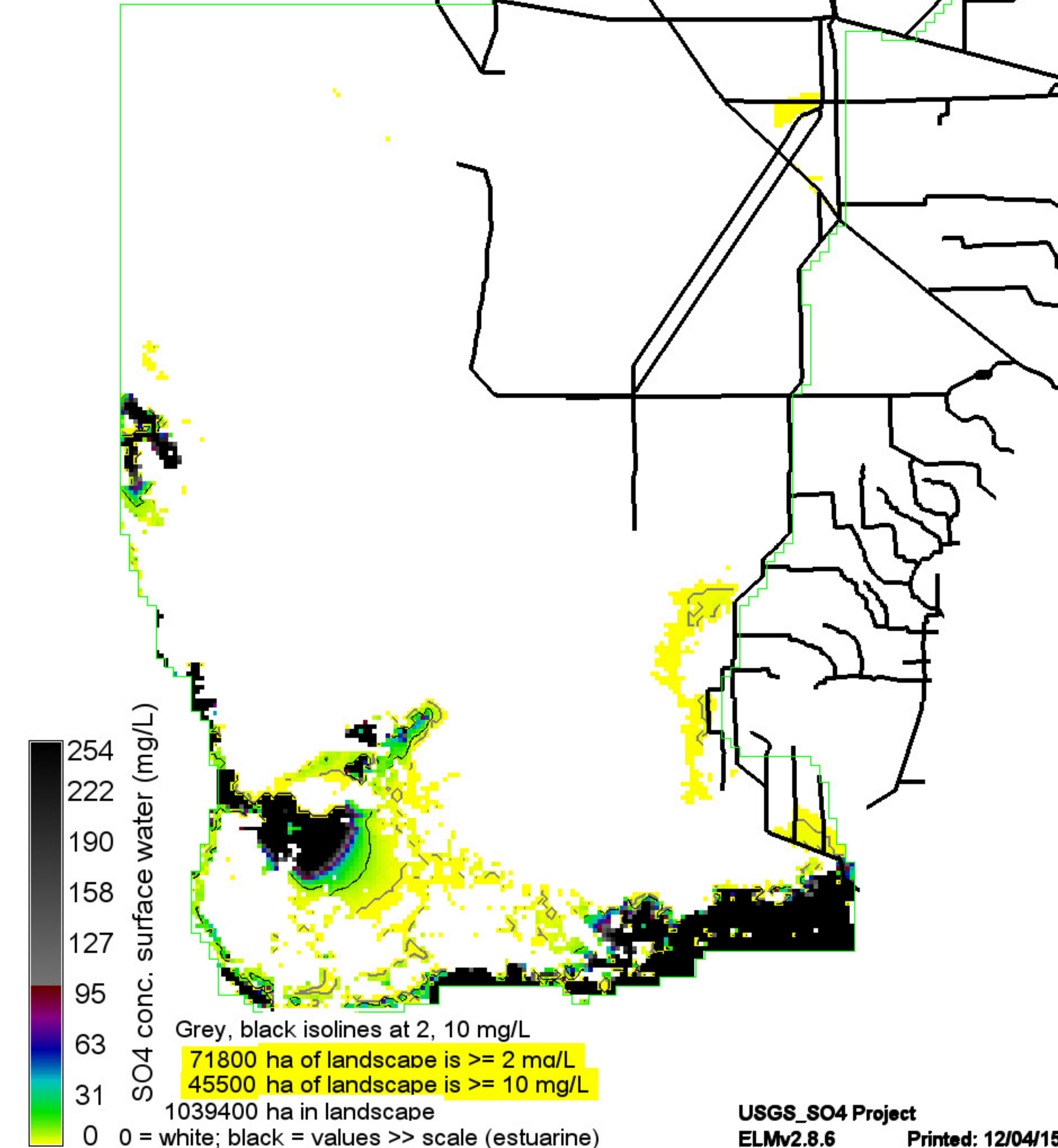
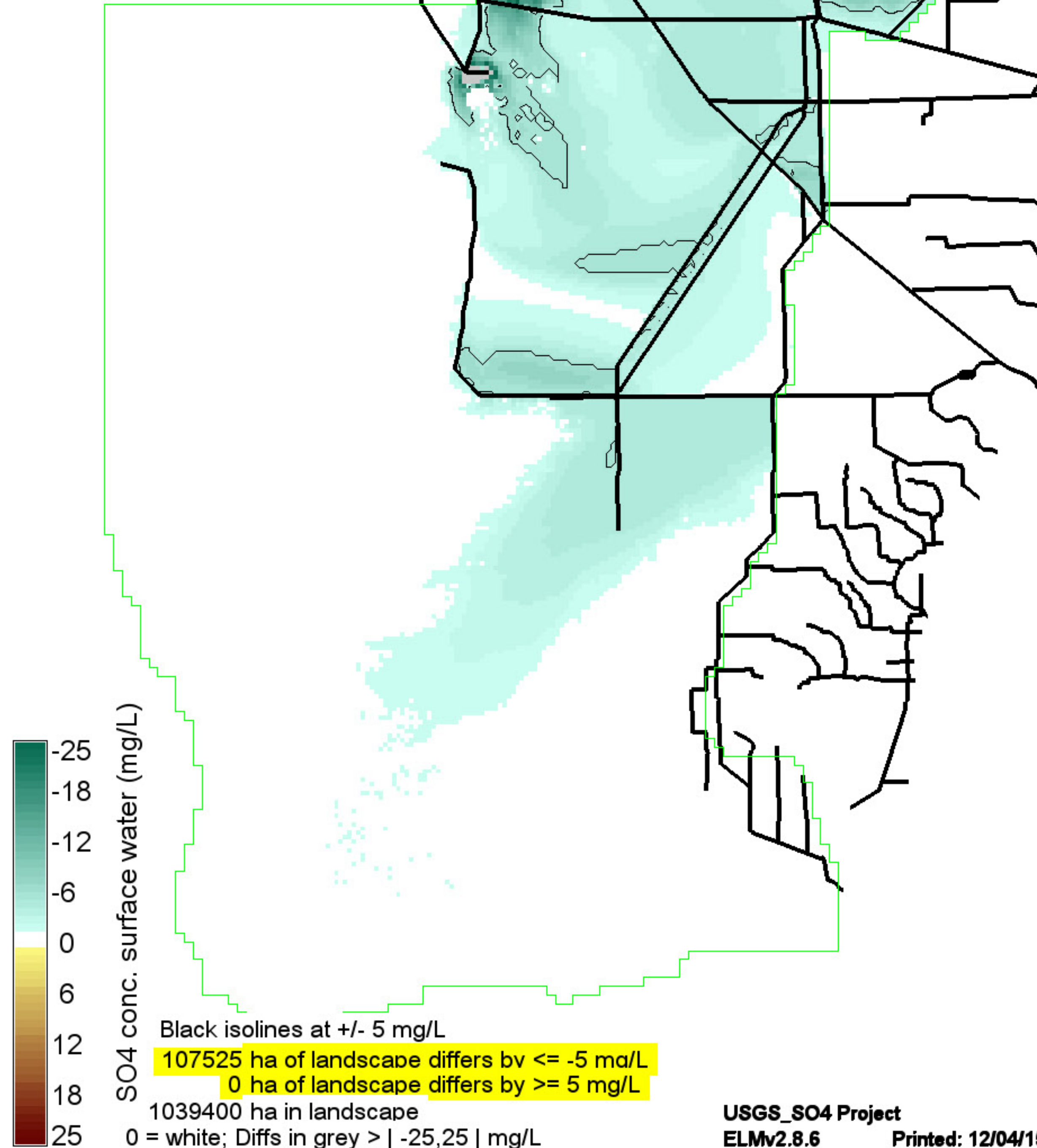
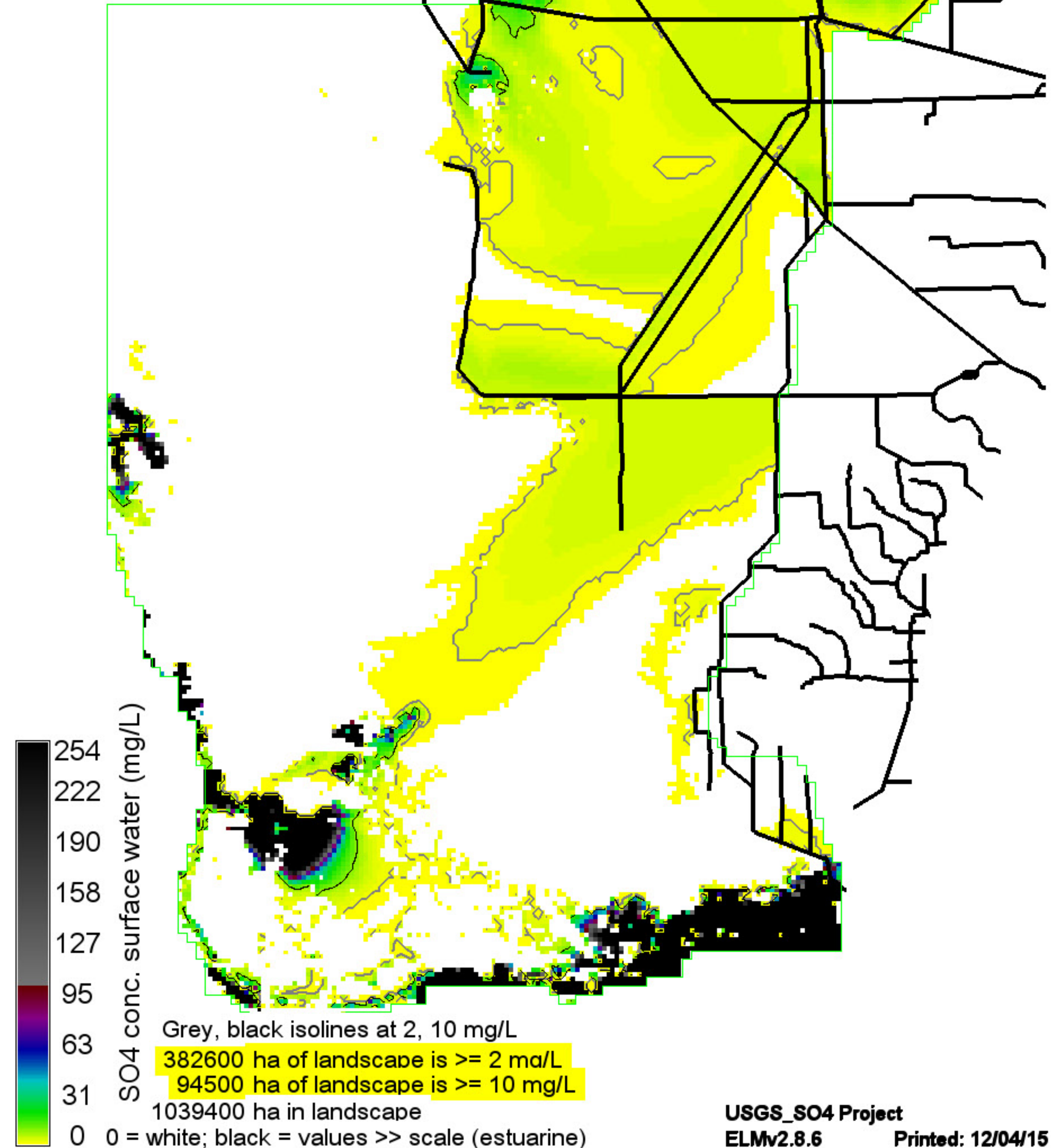
Black isolines at +/- 5 mg/L  
 147950 ha of landscape differs by <= -5 mg/L  
 0 ha of landscape differs by >= 5 mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey > | -25,25 | mg/L

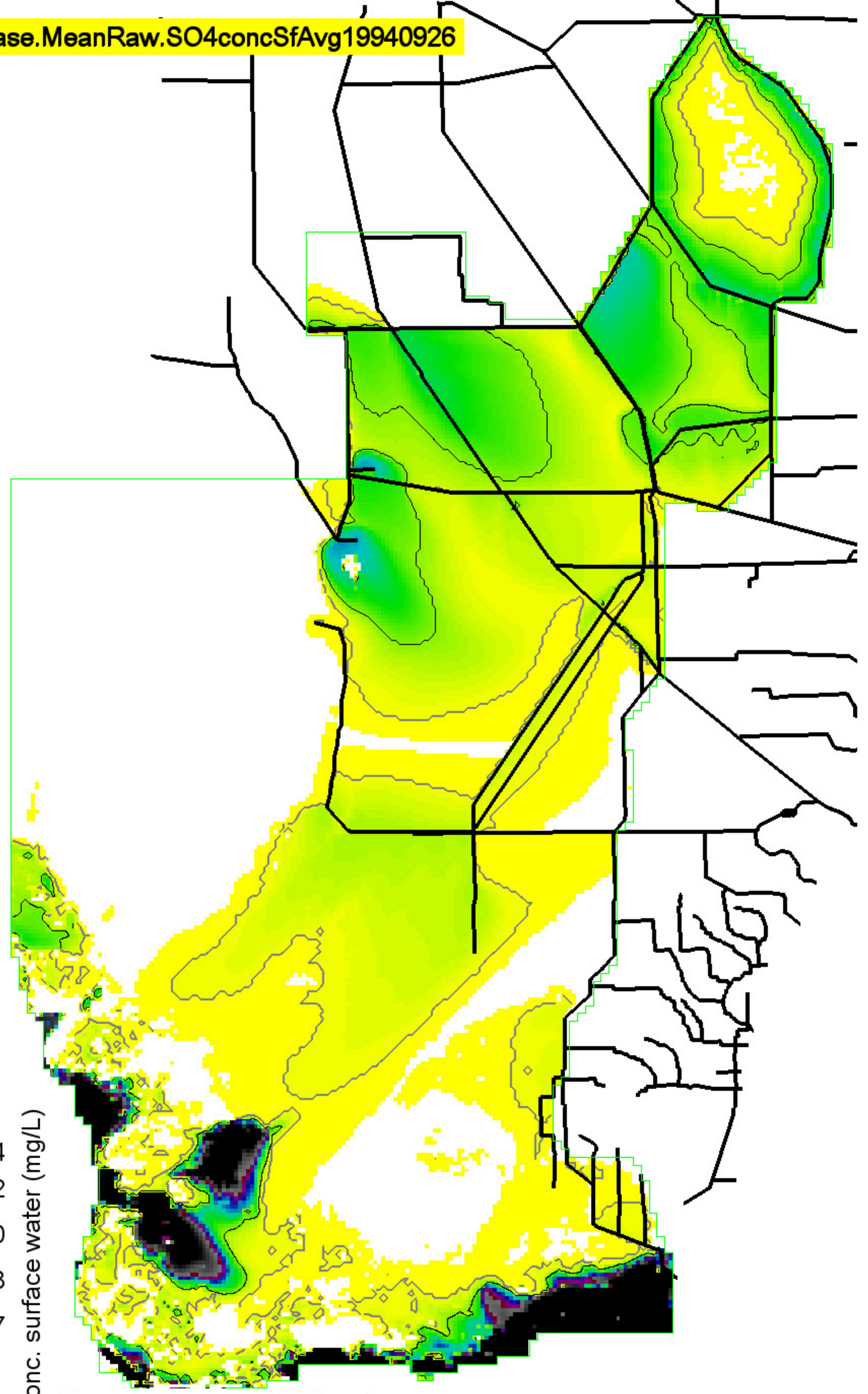


SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 145250 ha of landscape is >= 2 mg/L  
 72675 ha of landscape is >= 10 mg/L  
 1039400 ha in landscape  
 0 = white; black = values >> scale (estuarine)

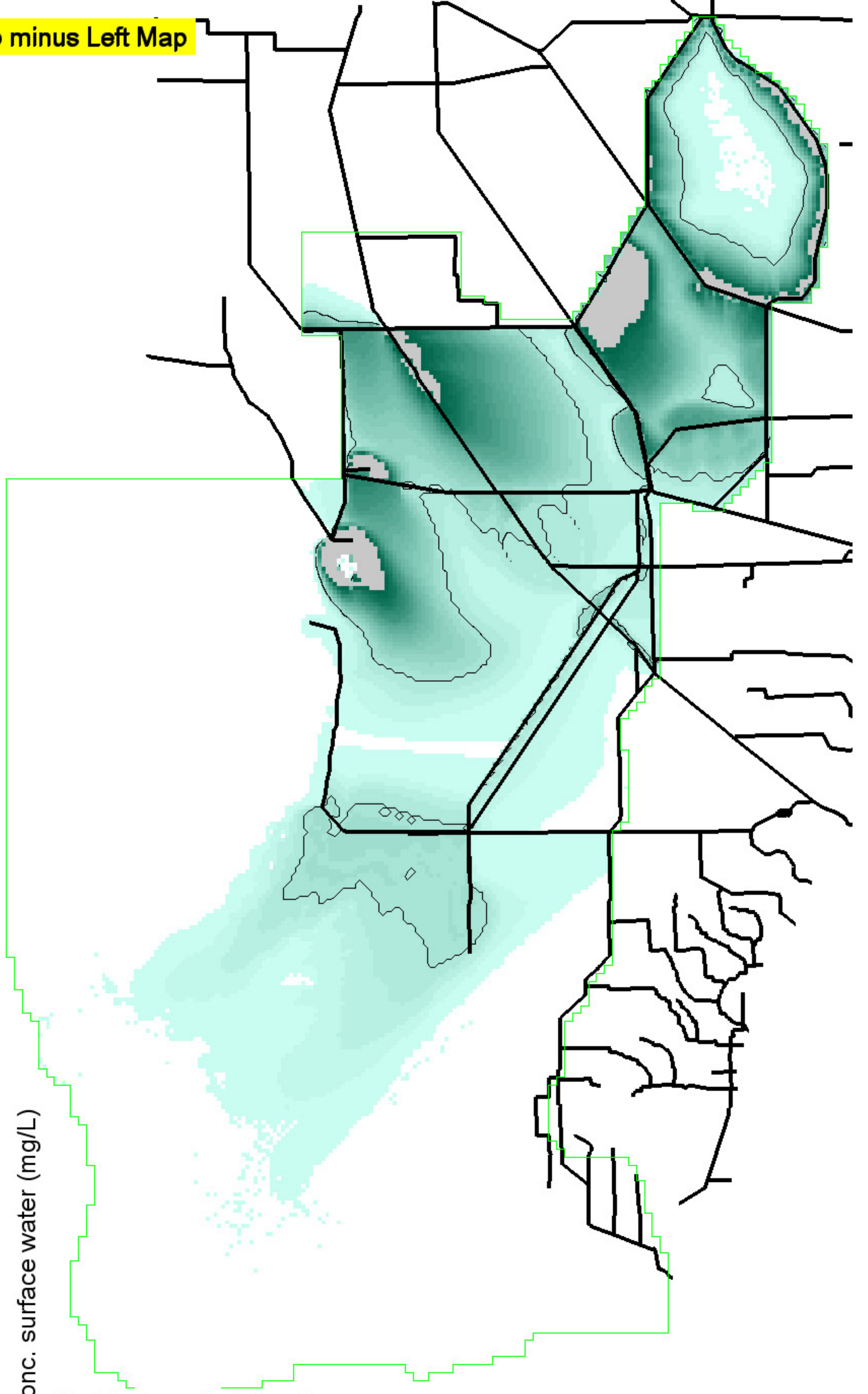




254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

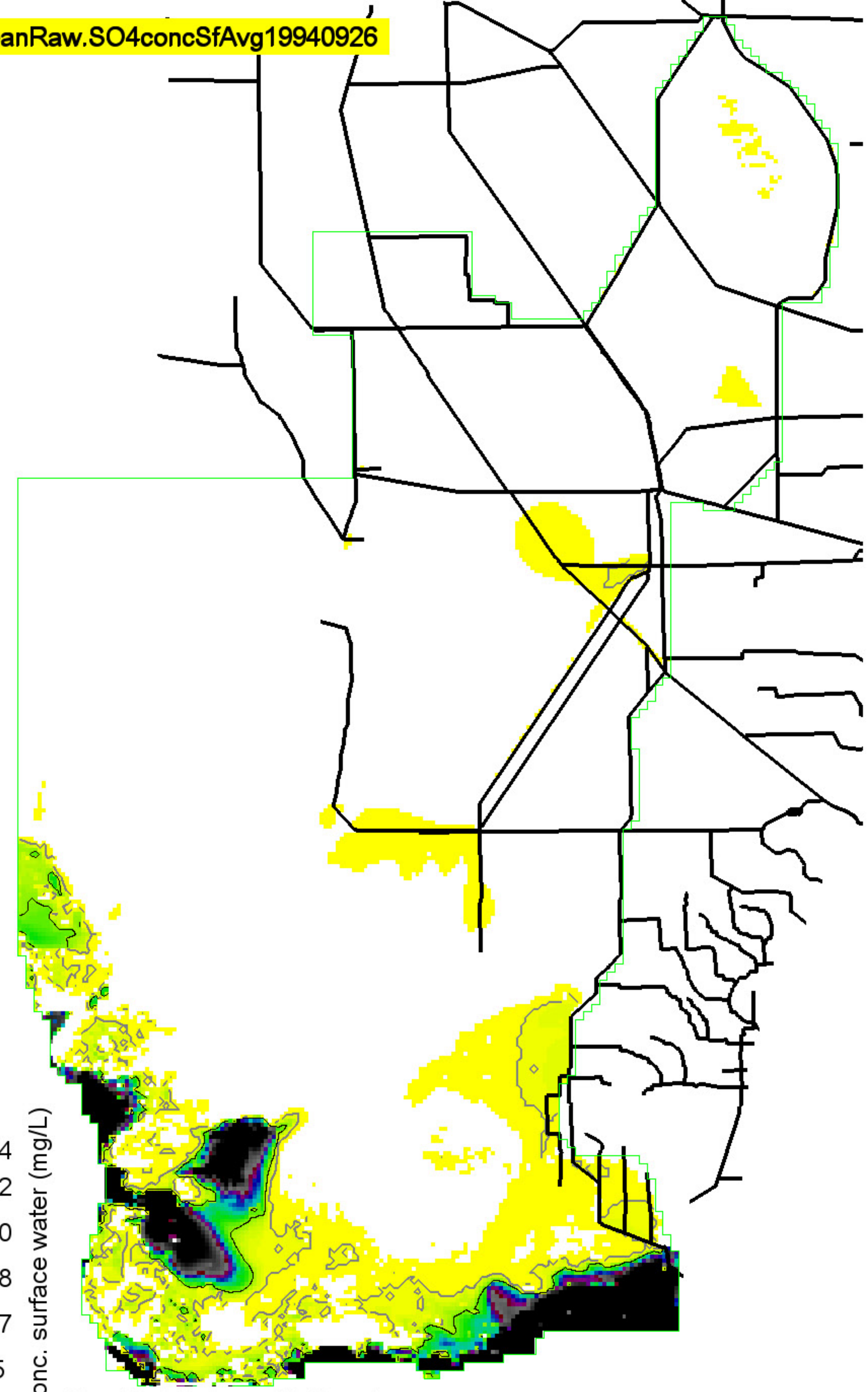
Grey, black isolines at 2, 10 mg/L  
 503525 ha of landscape is  $\geq 2$  mg/L  
 179850 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

SO4 conc. surface water (mg/L)

Black isolines at +/- 5 mg/L  
 219200 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



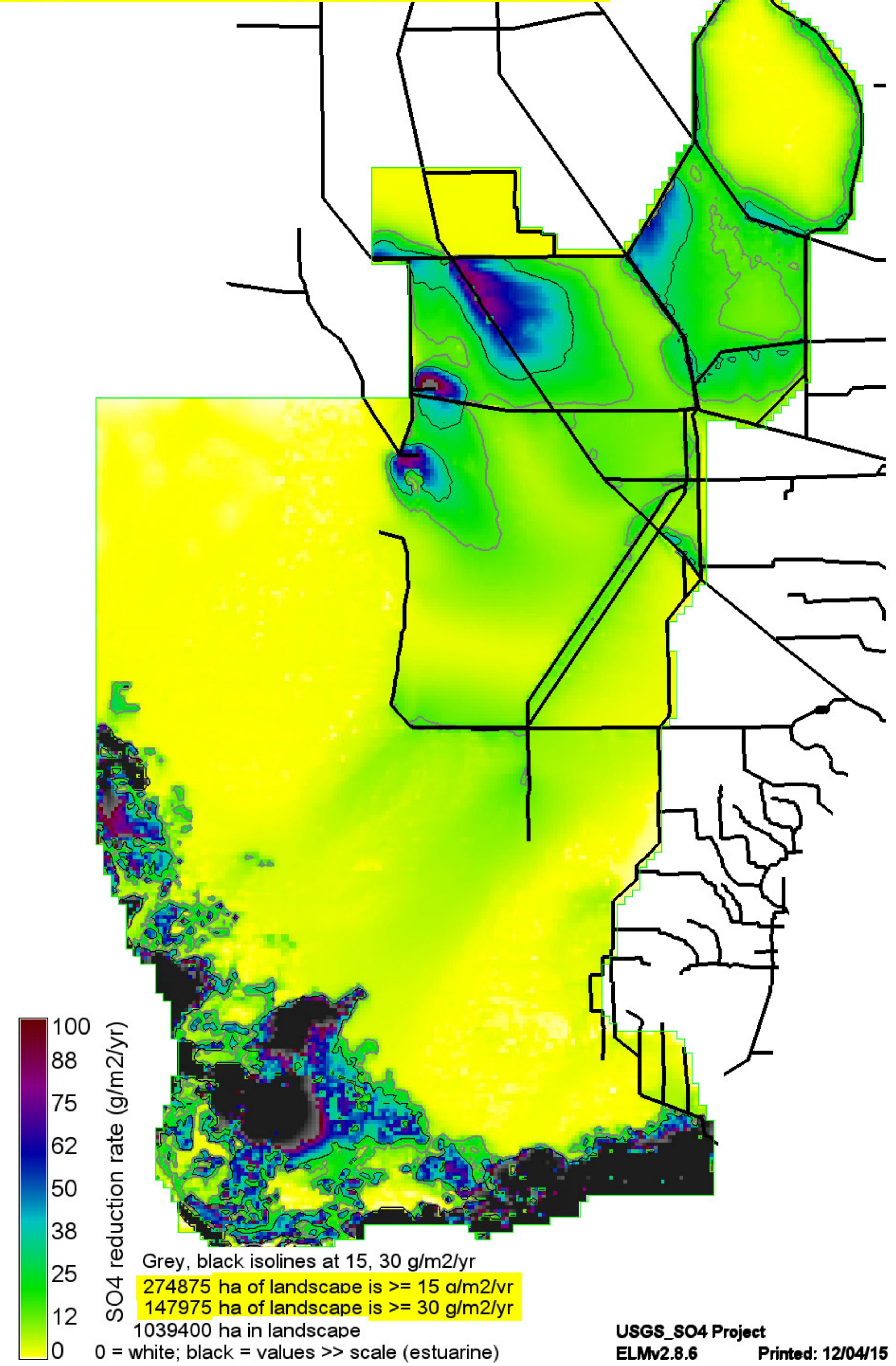
254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

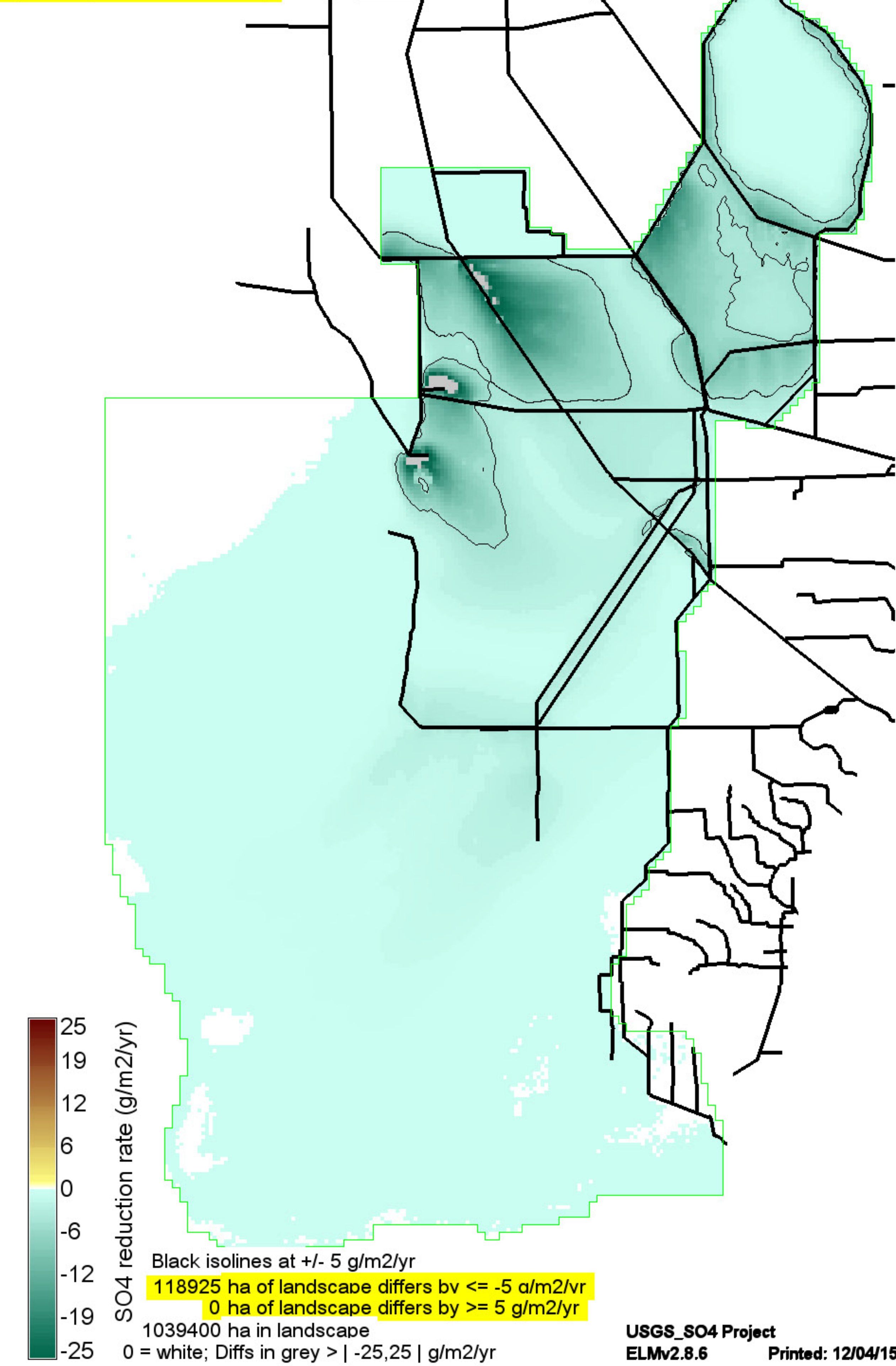
Grey, black isolines at 2, 10 mg/L  
 131325 ha of landscape is  $\geq 2$  mg/L  
 65900 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



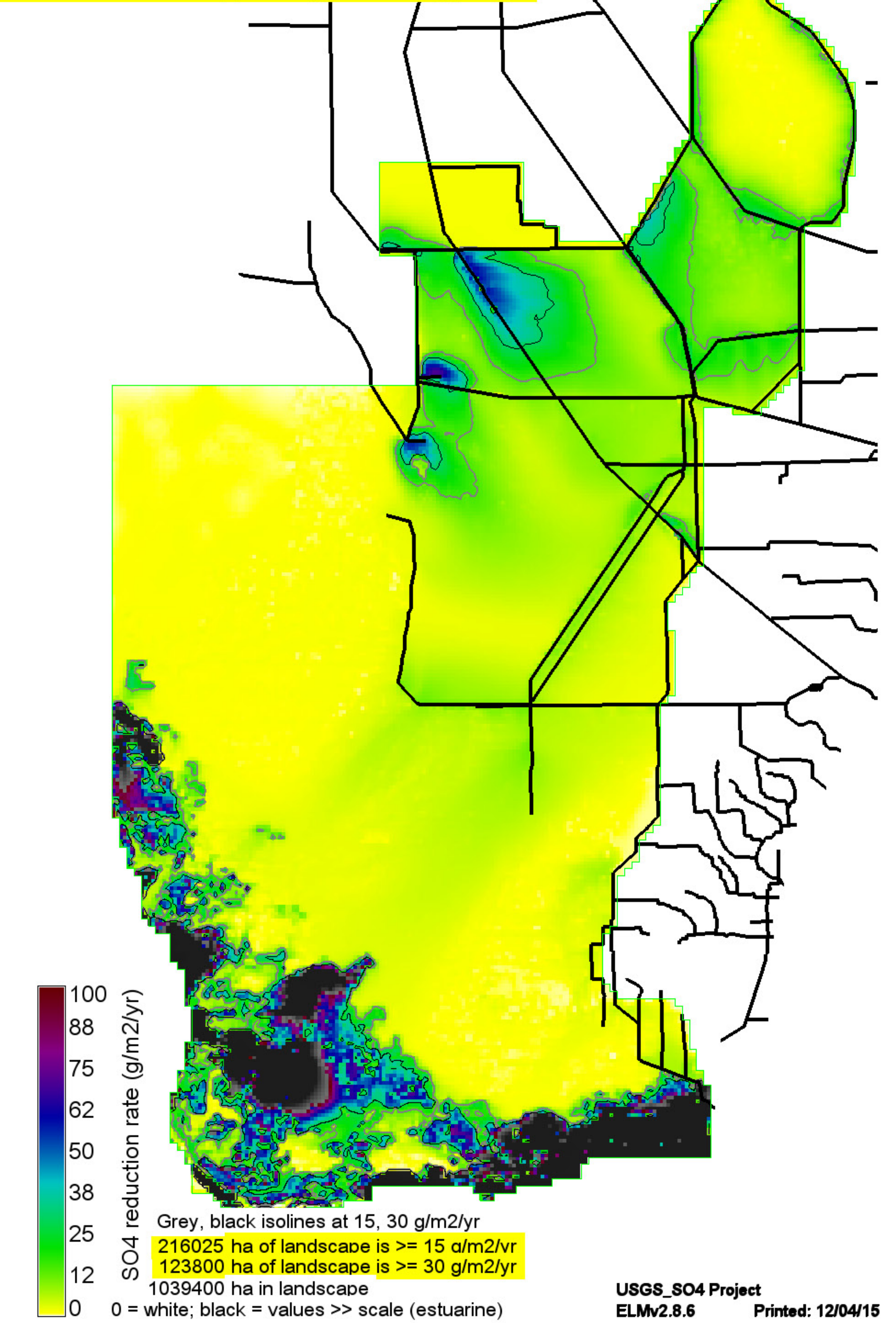
USGS\_Base.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr



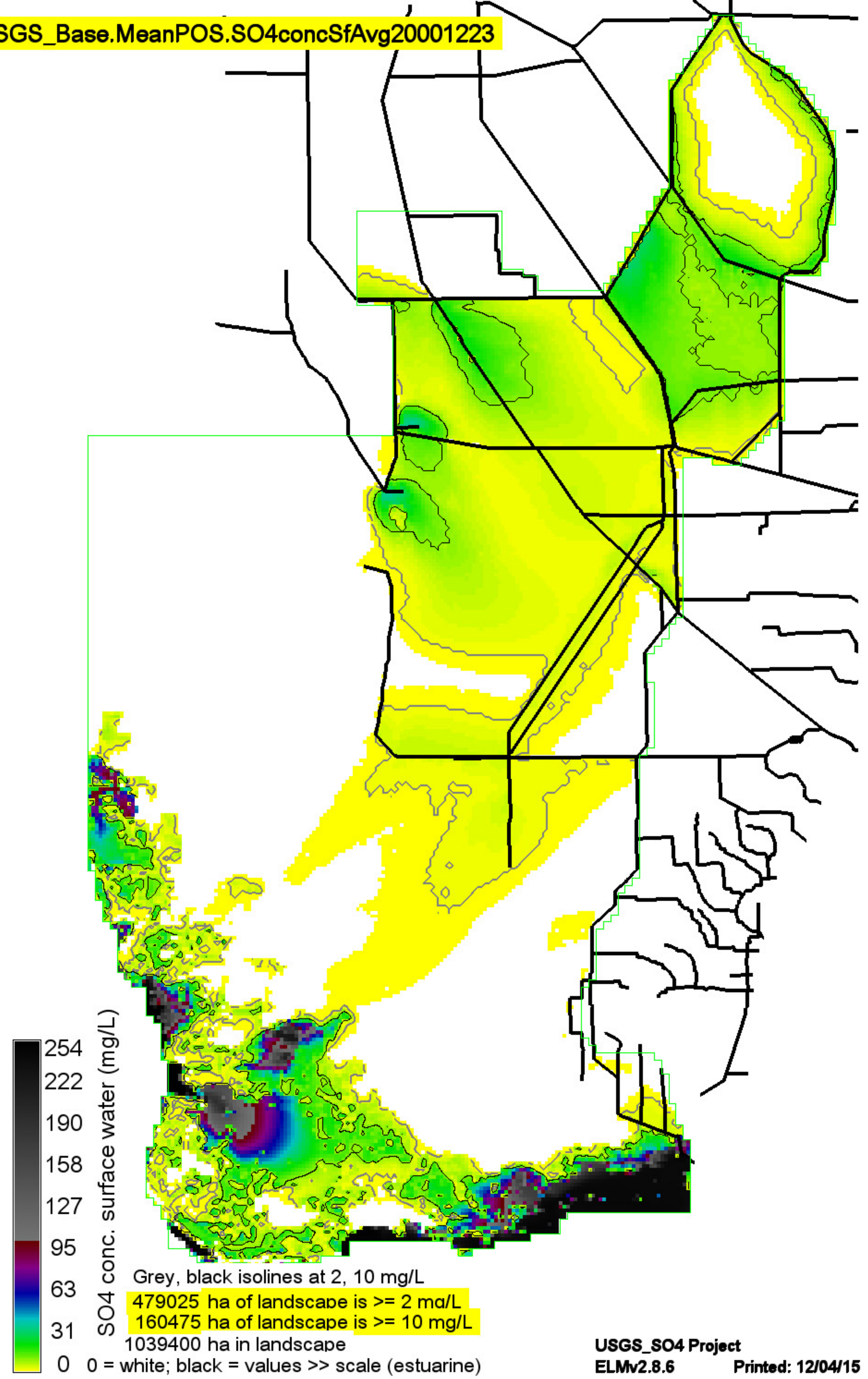
Right Map minus Left Map



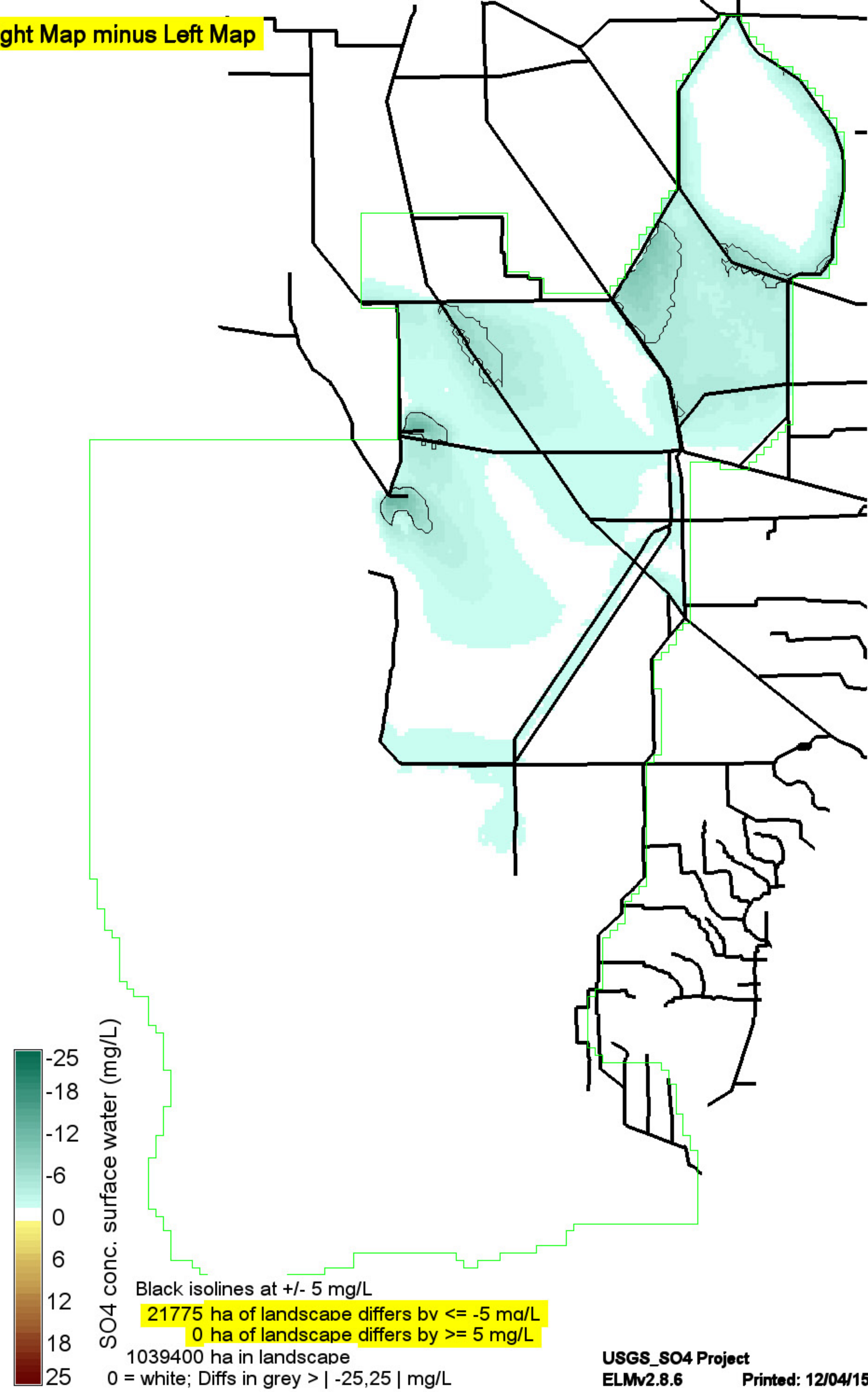
ALT2.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr



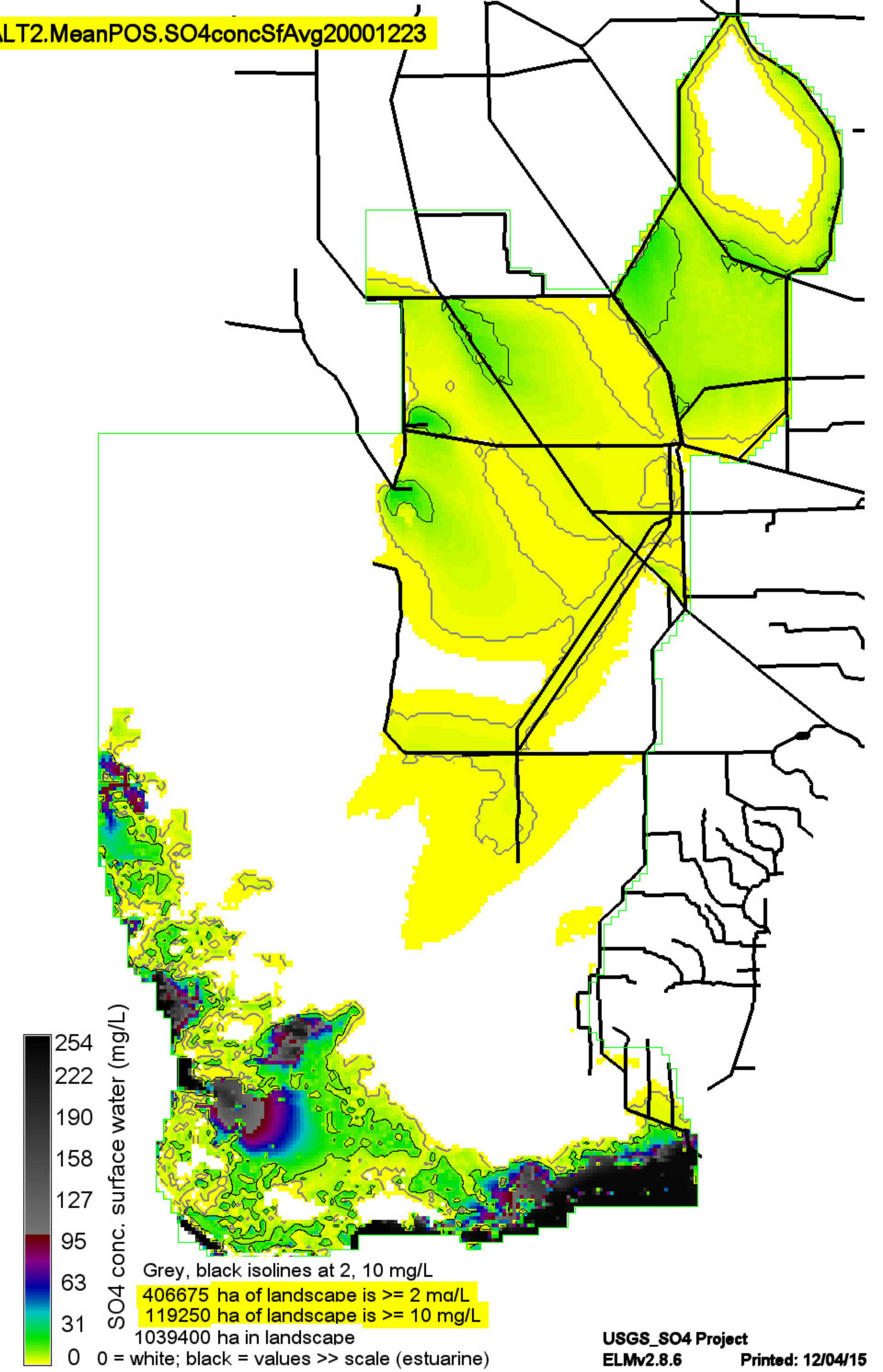
USGS\_Base.MeanPOS.SO4concSfAvg20001223

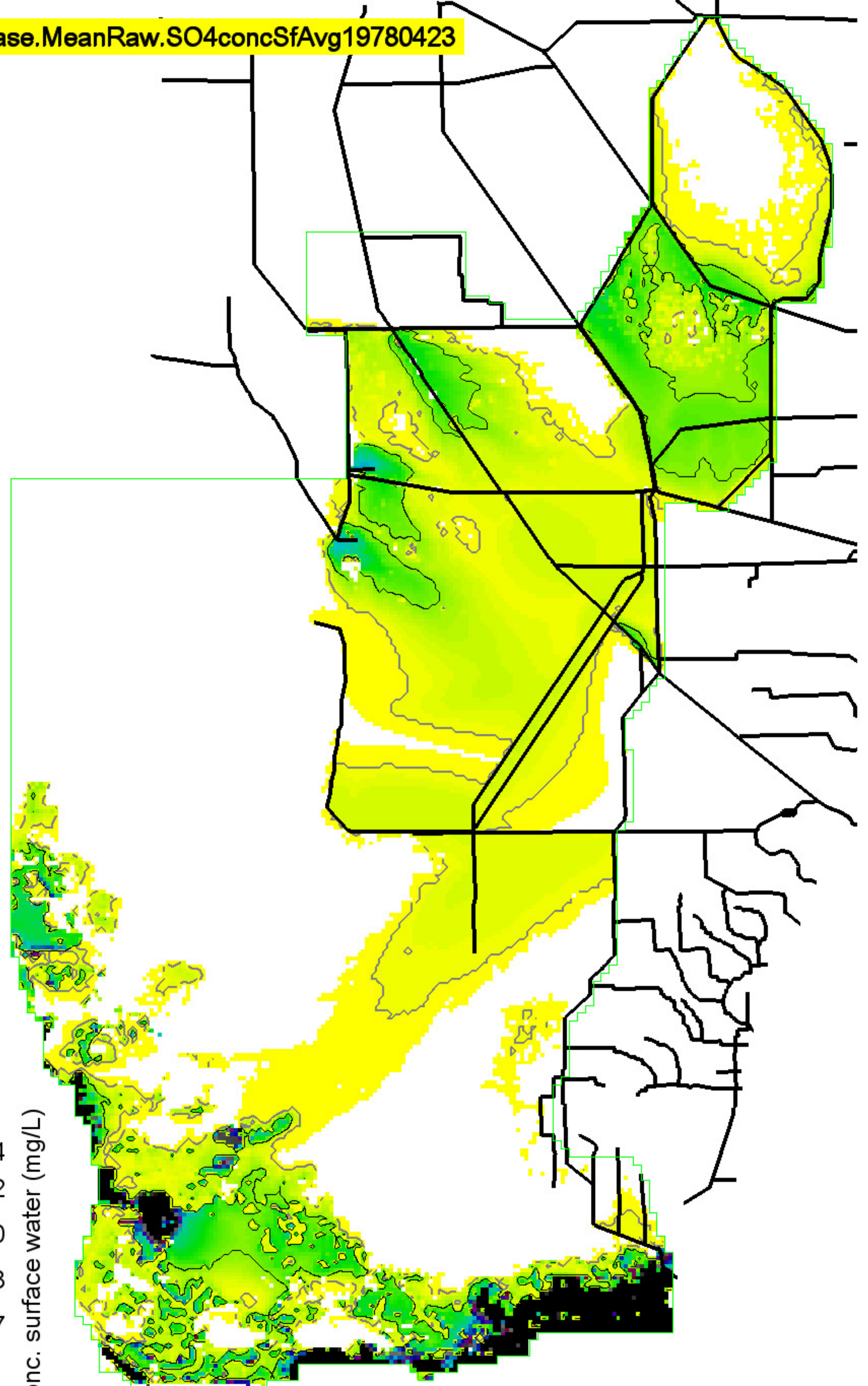


Right Map minus Left Map



ALT2.MeanPOS.SO4concSfAvg20001223

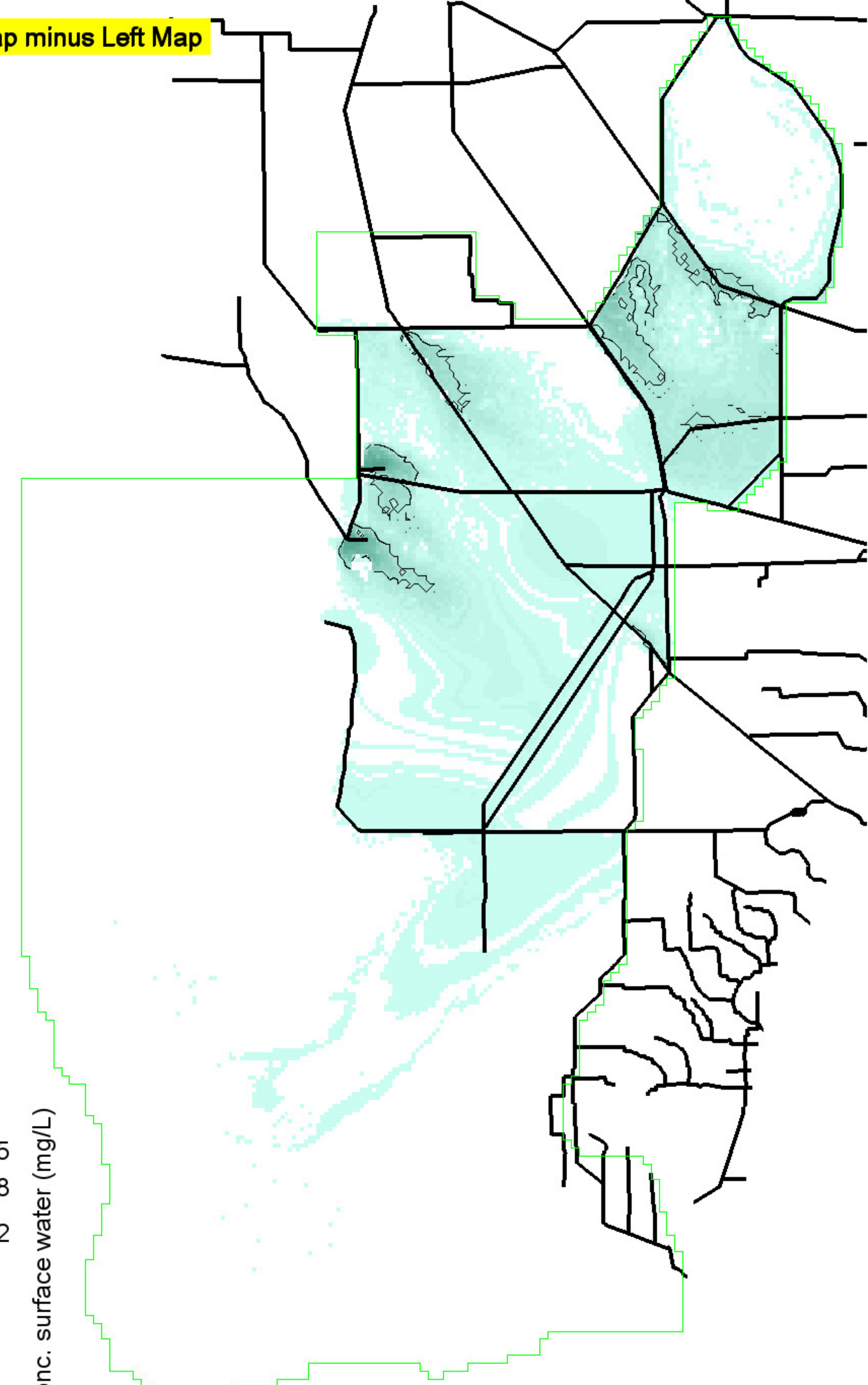




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

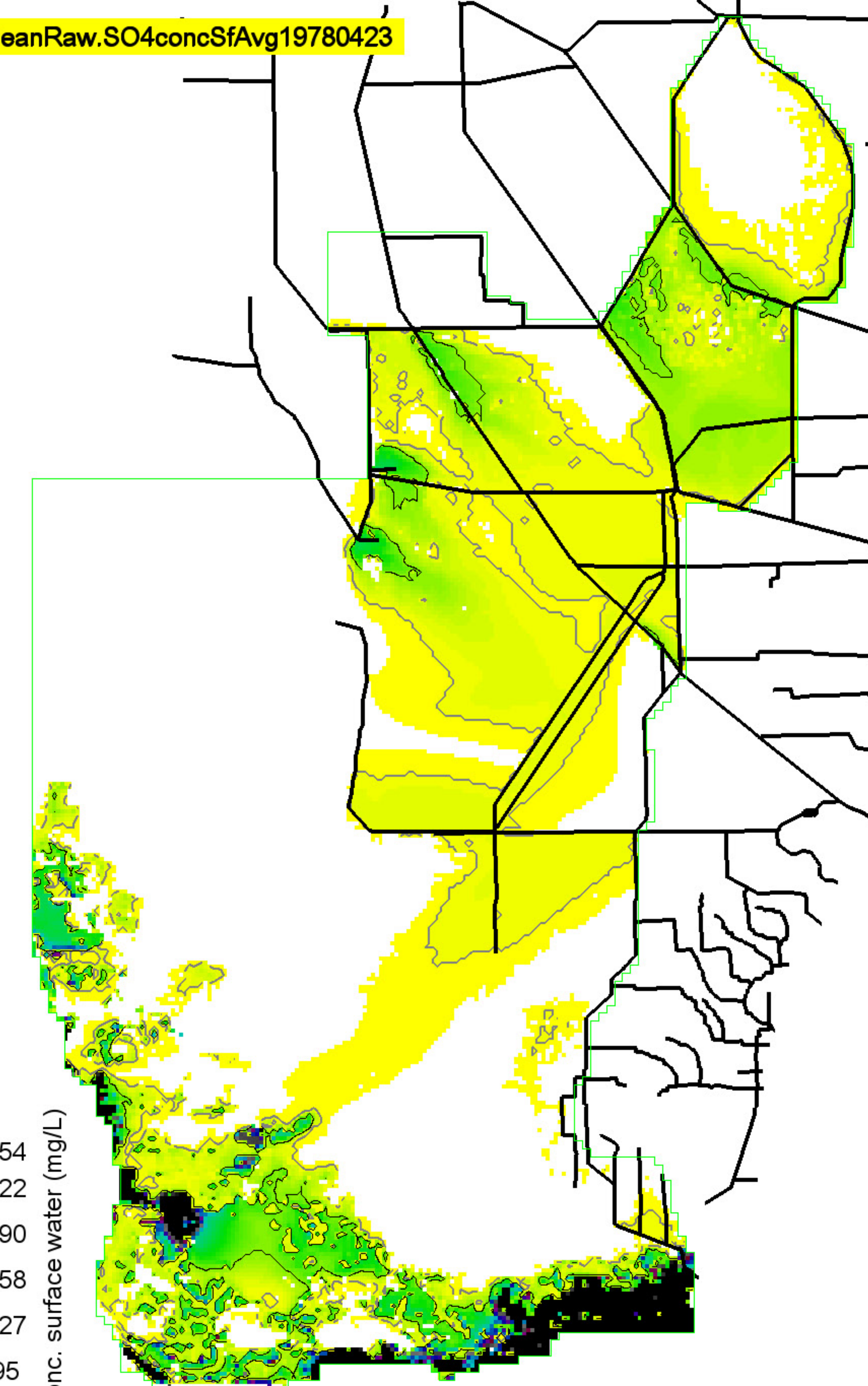
Grey, black isolines at 2, 10 mg/L  
 440250 ha of landscape is  $\geq 2$  mg/L  
 132975 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

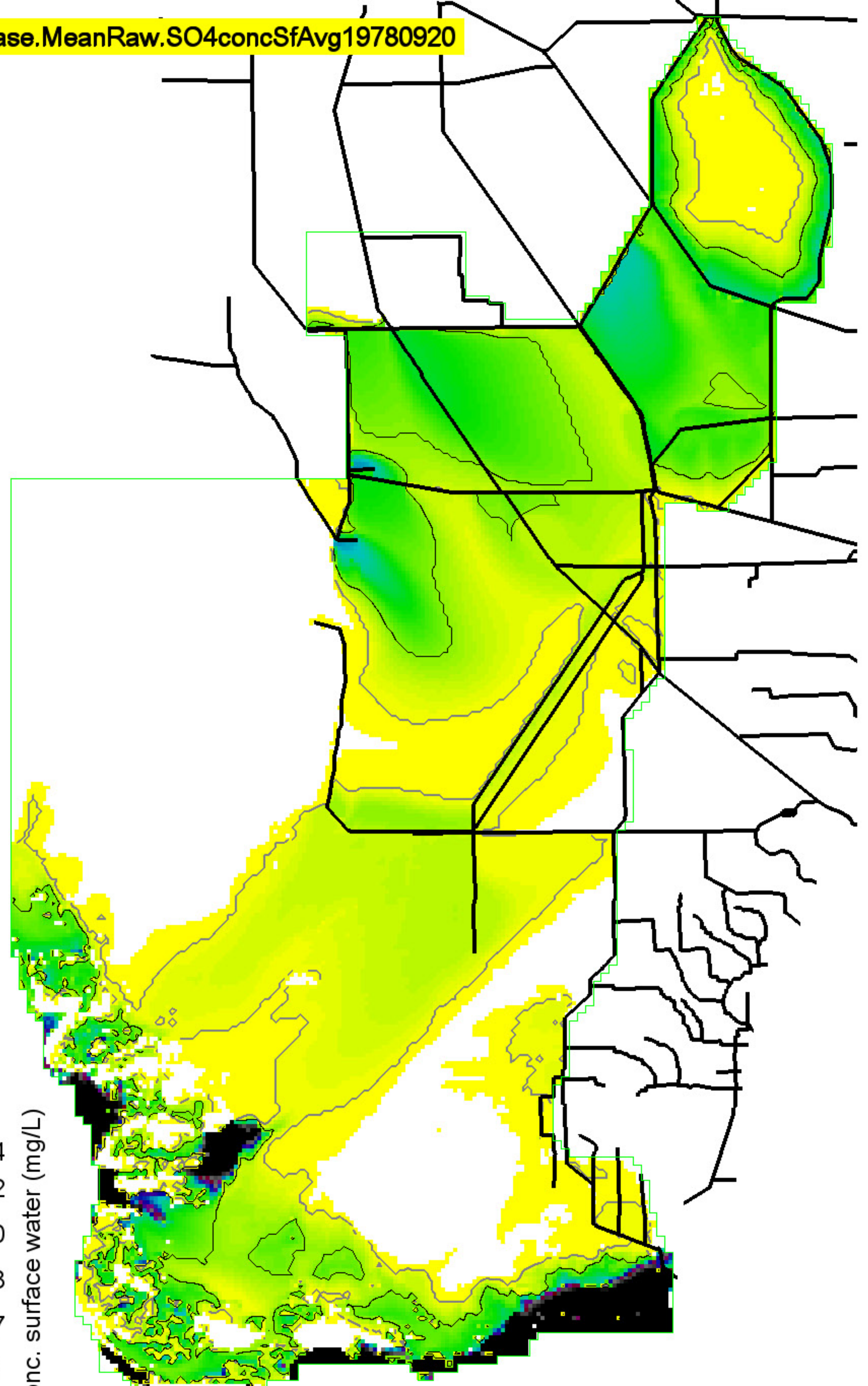
Black isolines at +/- 5 mg/L  
 24075 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

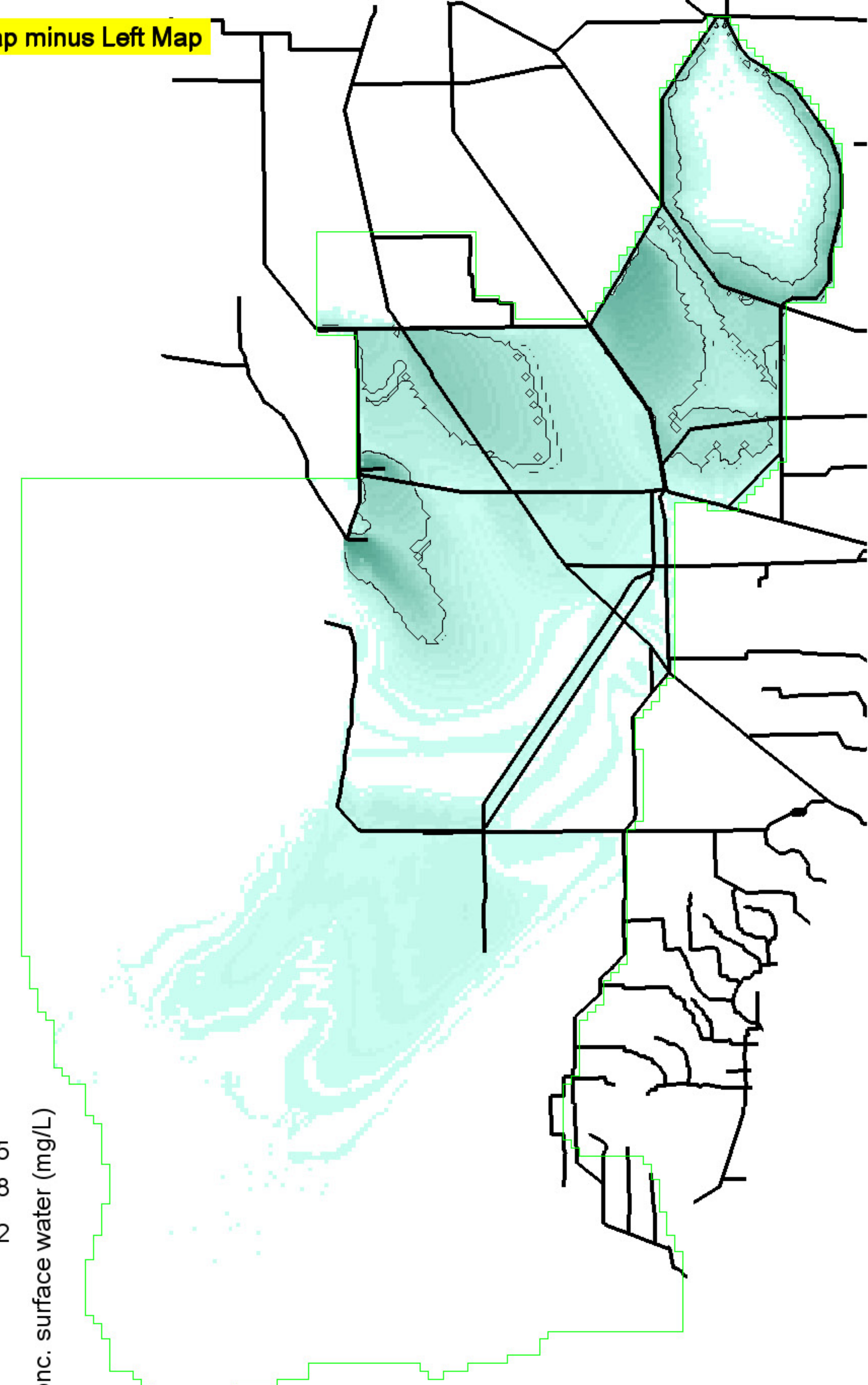
Grey, black isolines at 2, 10 mg/L  
 396725 ha of landscape is  $\geq 2$  mg/L  
 94200 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

Grey, black isolines at 2, 10 mg/L  
 560650 ha of landscape is  $\geq 2$  mg/L  
 228025 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

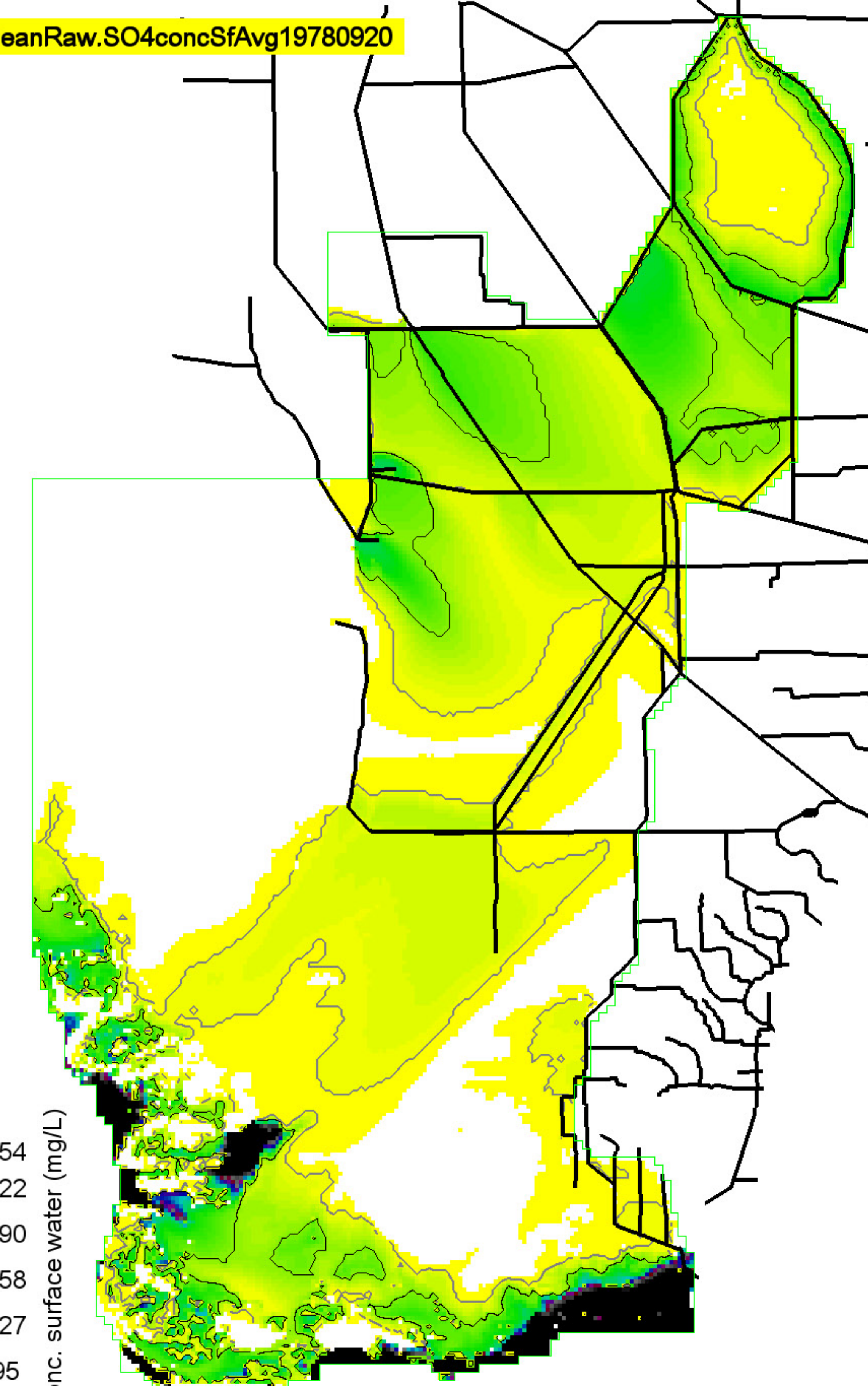
USGS\_SO4 Project  
 ELMv2.8.6 Printed: 12/04/15



SO4 conc. surface water (mg/L)

Black isolines at +/- 5 mg/L  
 97350 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L

USGS\_SO4 Project  
 ELMv2.8.6 Printed: 12/04/15

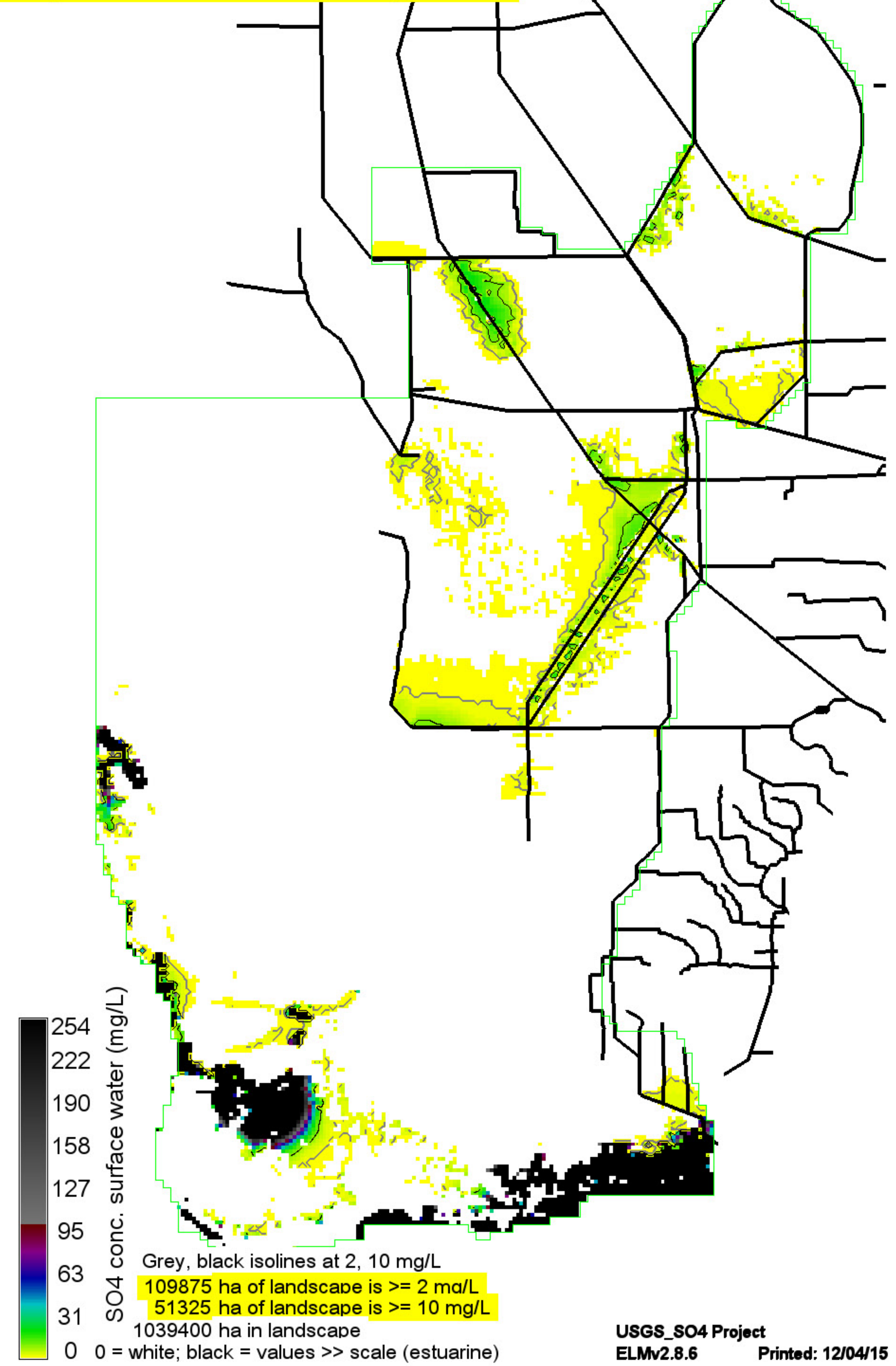


SO4 conc. surface water (mg/L)

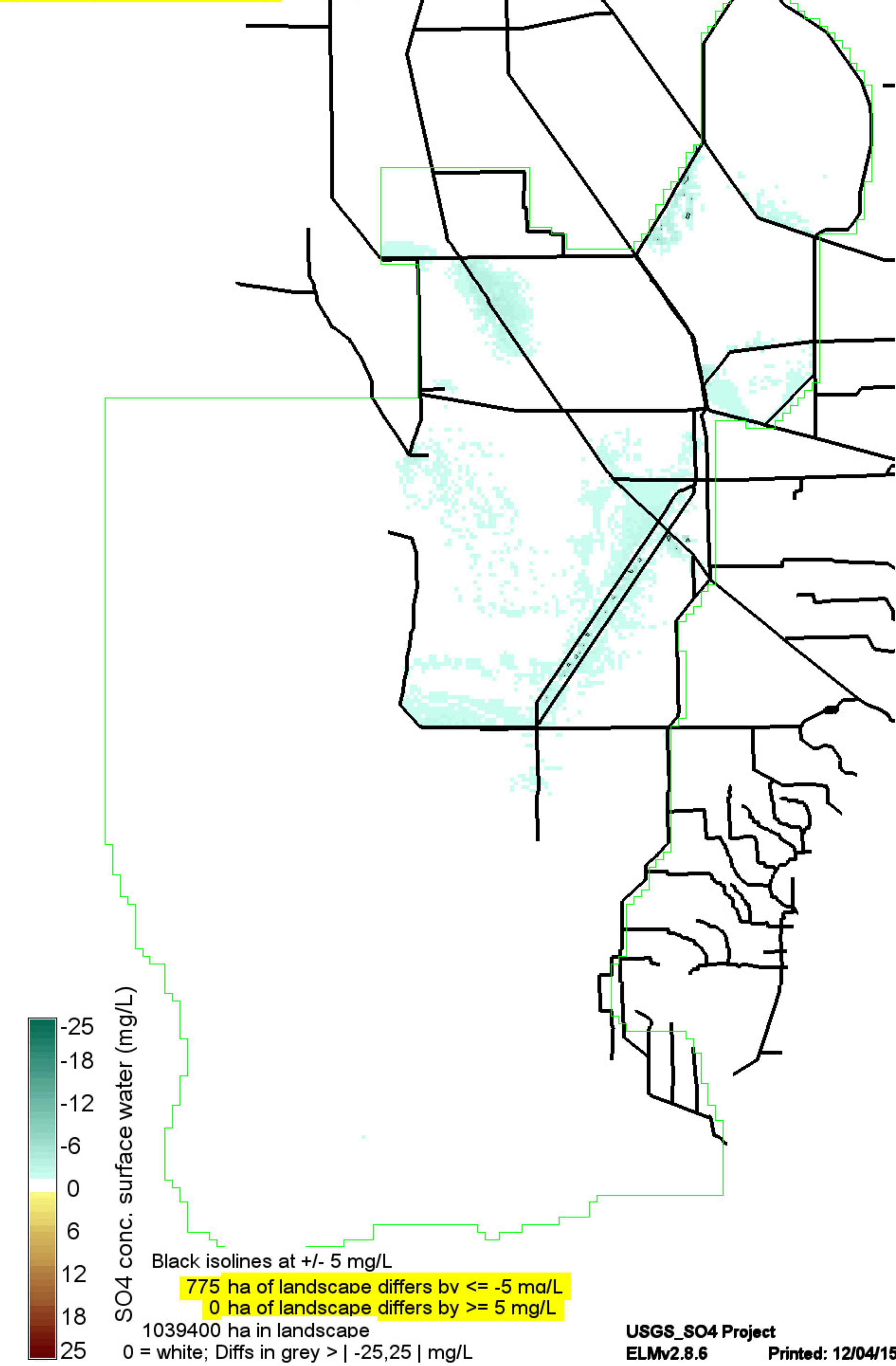
Grey, black isolines at 2, 10 mg/L  
 521850 ha of landscape is  $\geq 2$  mg/L  
 172200 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

USGS\_SO4 Project  
 ELMv2.8.6 Printed: 12/04/15

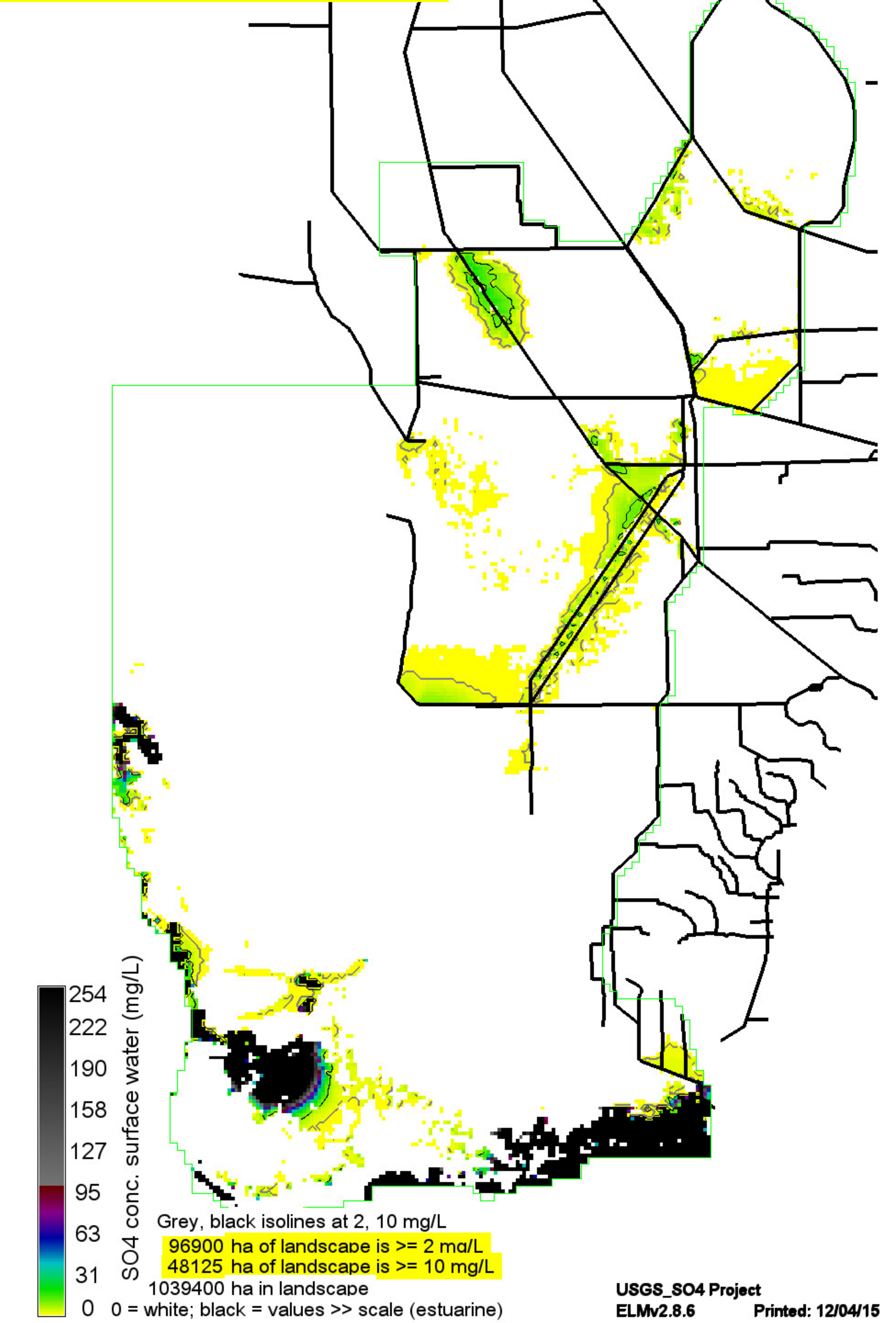
USGS\_Base.MeanRaw.SO4concSfAvg19890425

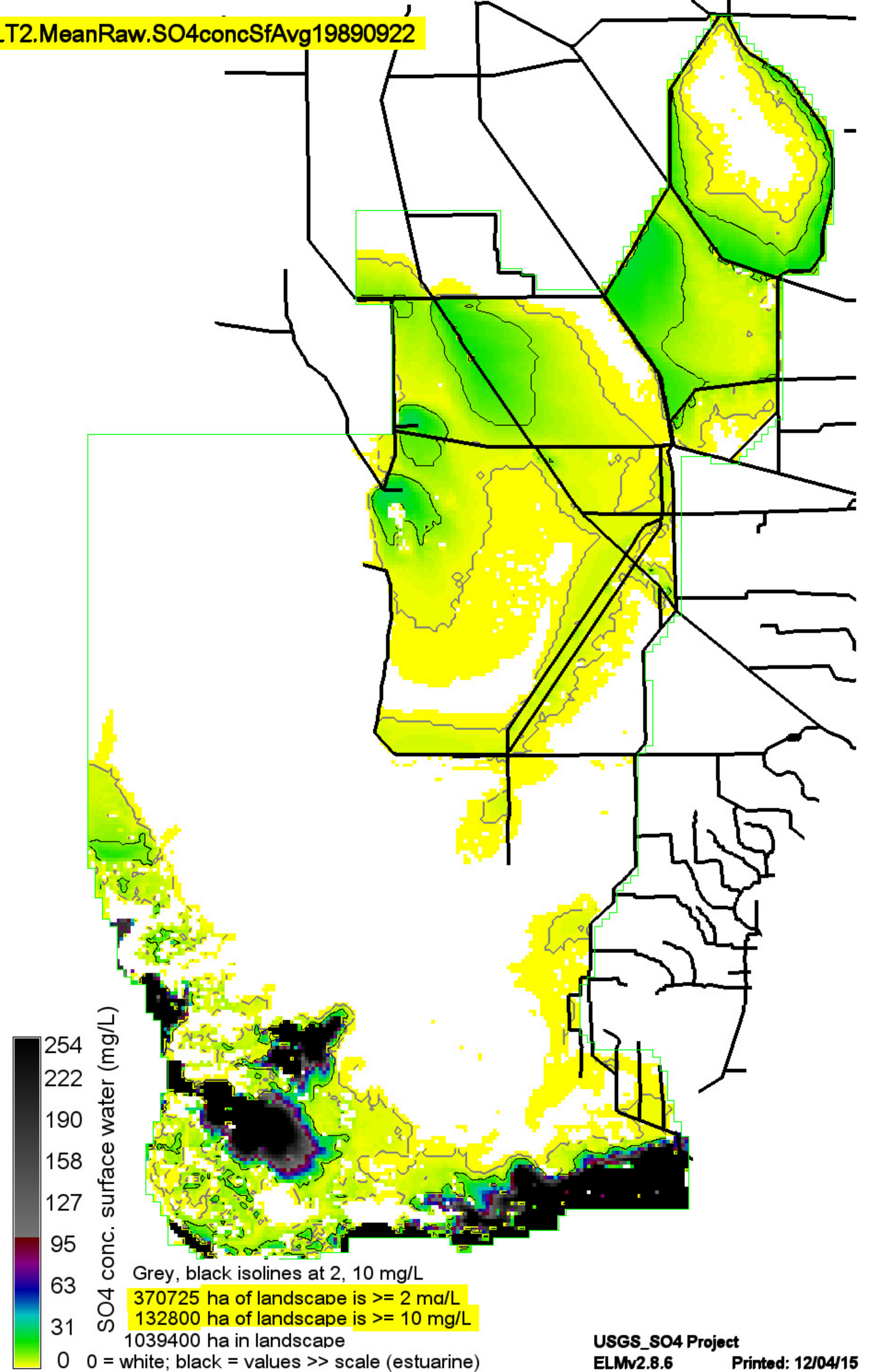
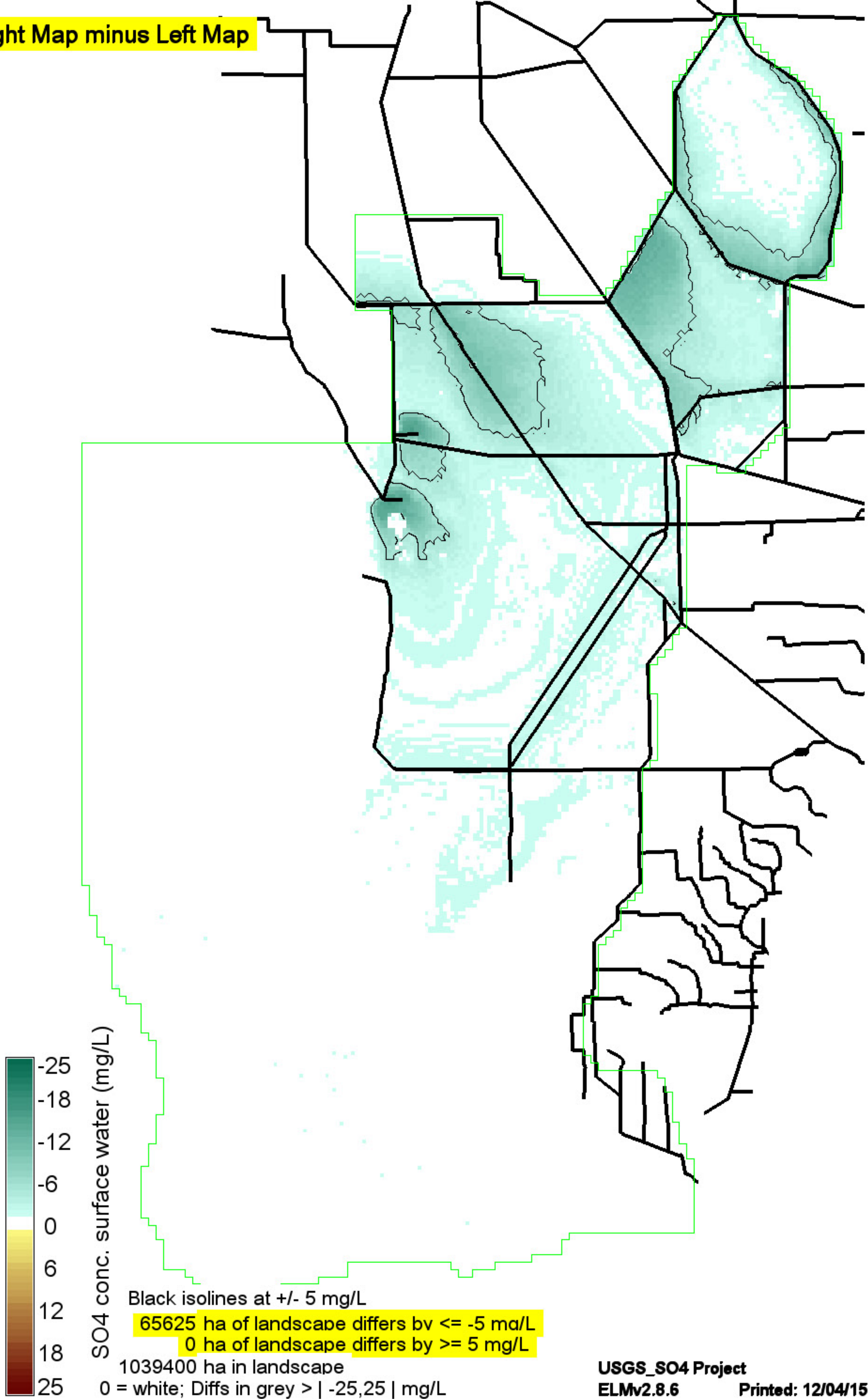
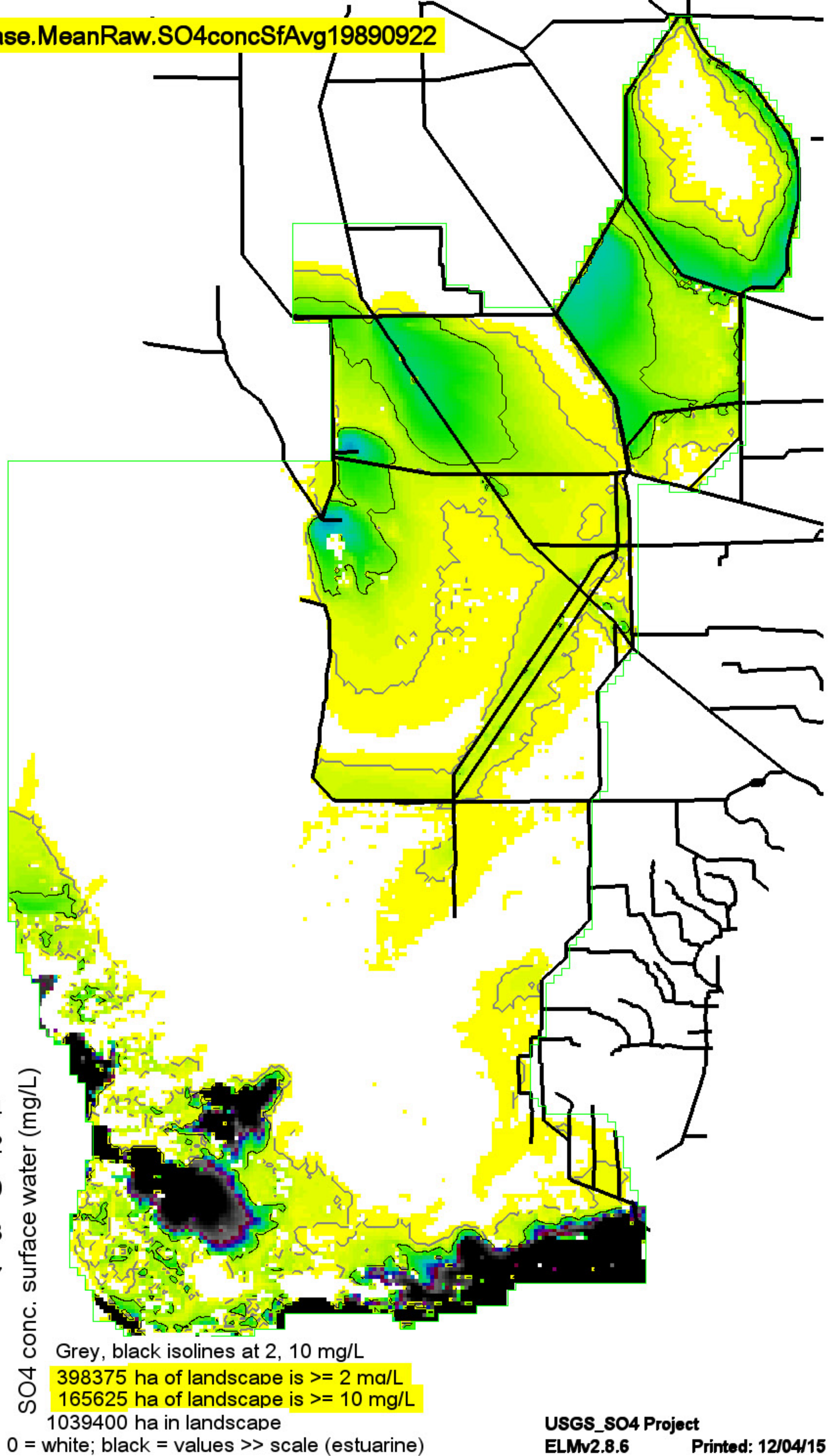


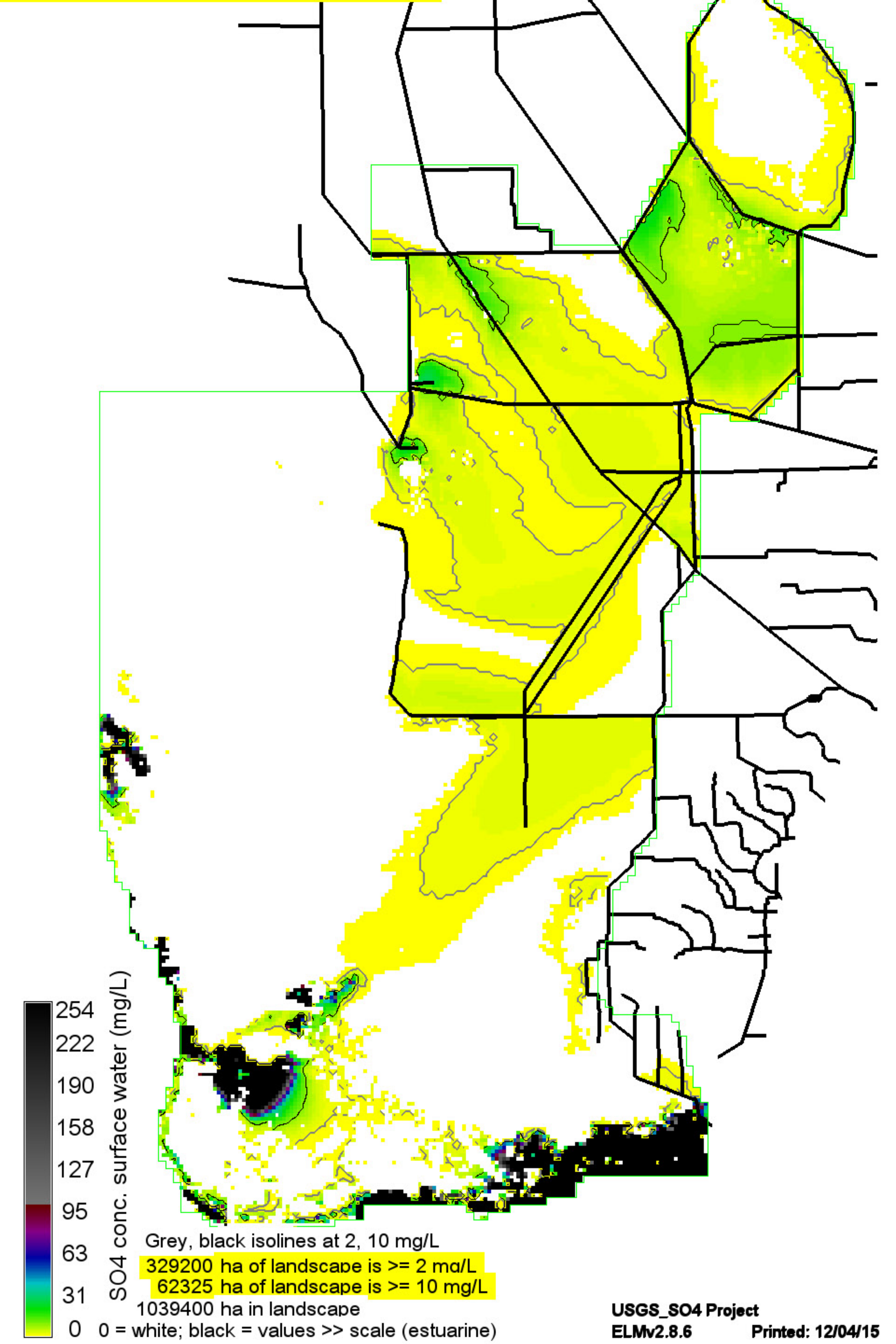
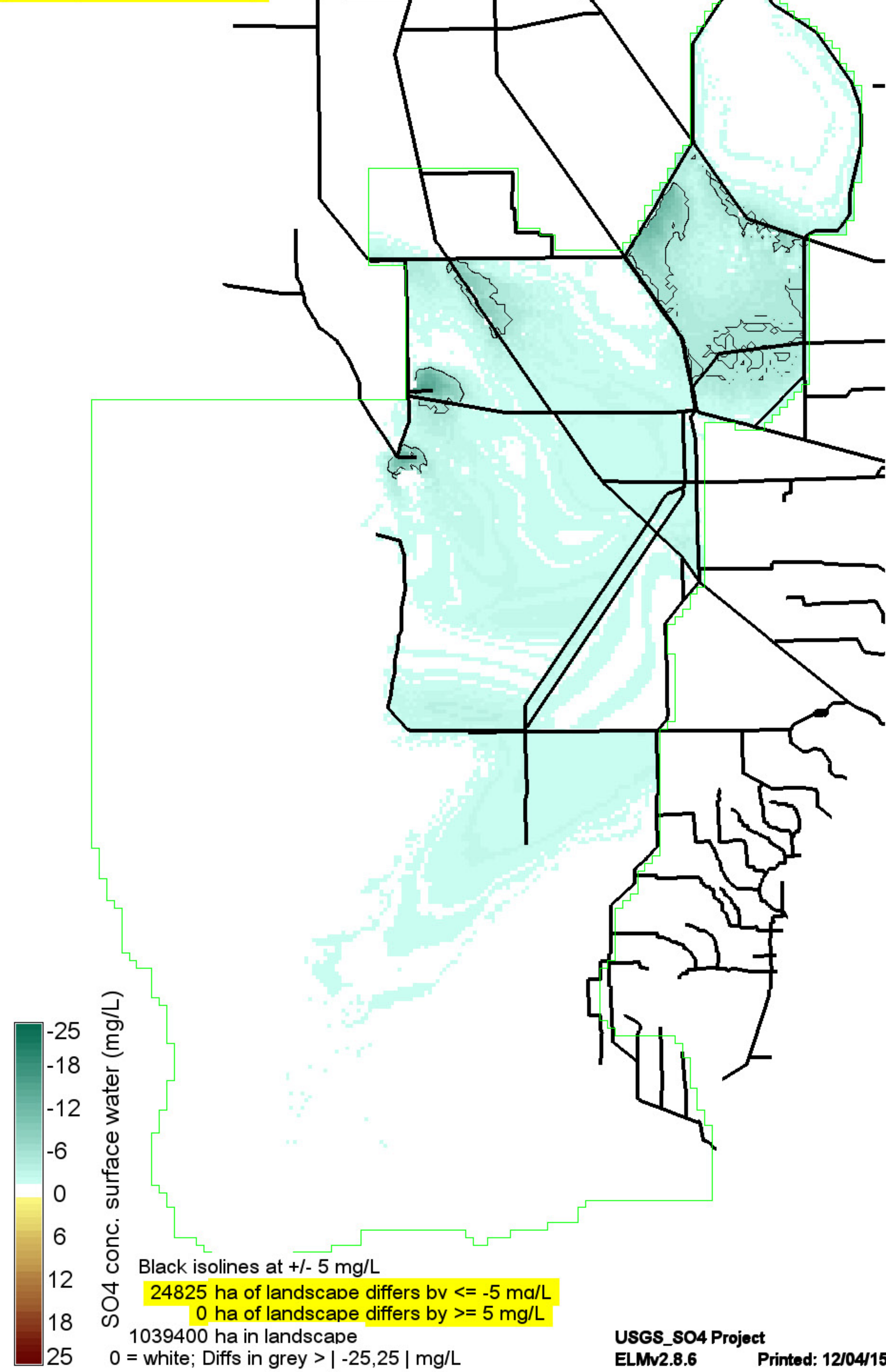
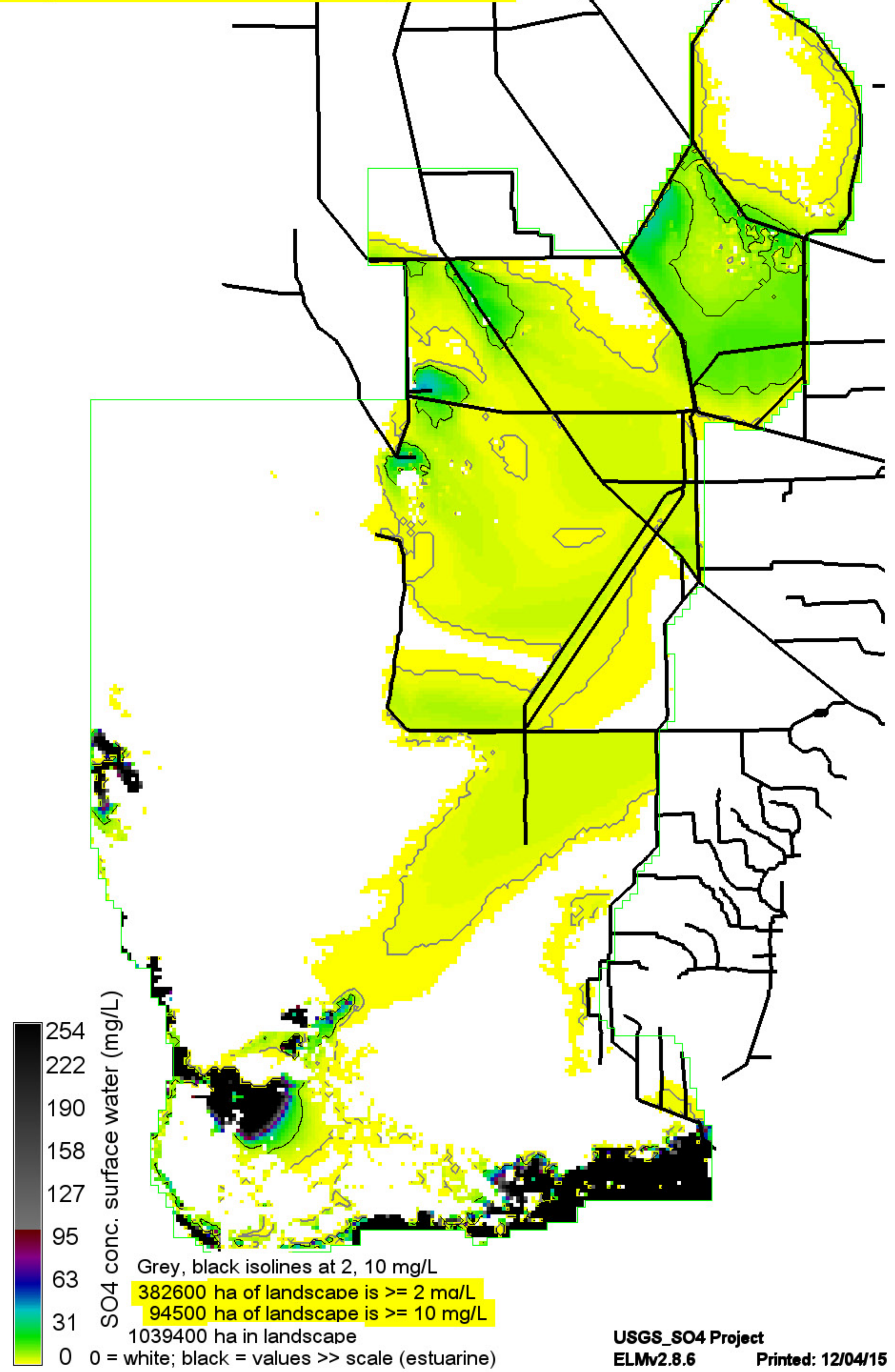
Right Map minus Left Map

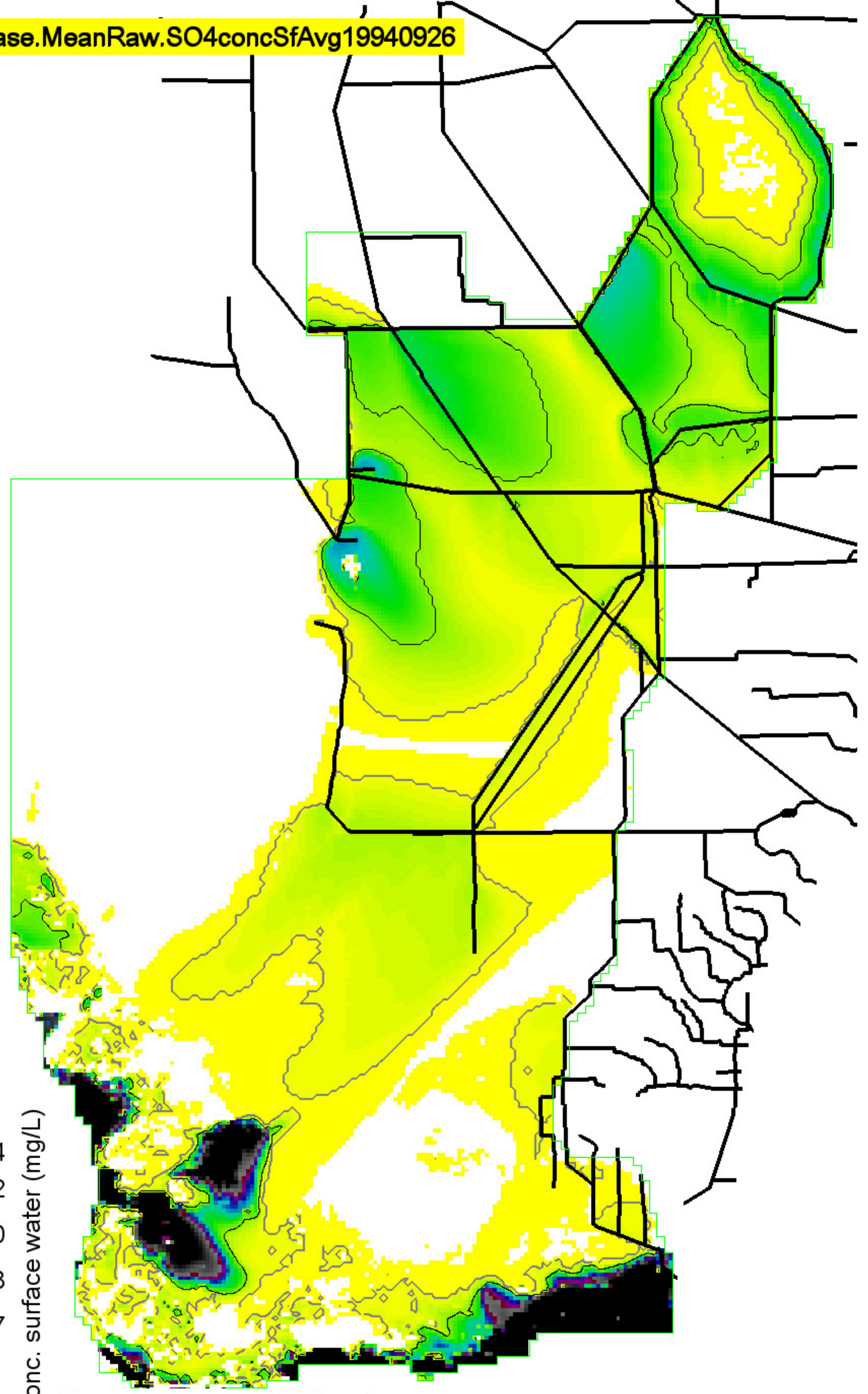


ALT2.MeanRaw.SO4concSfAvg19890425





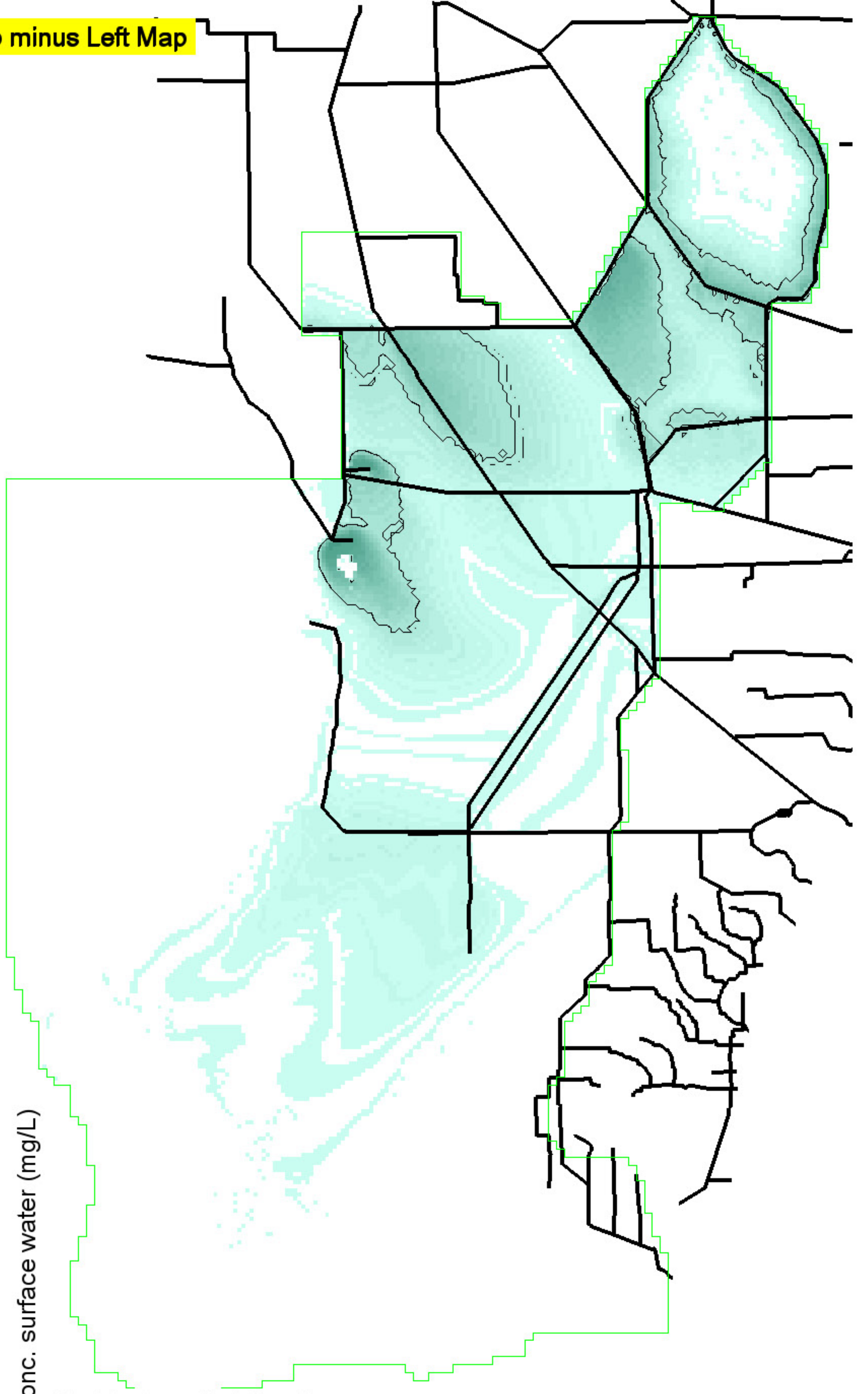




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

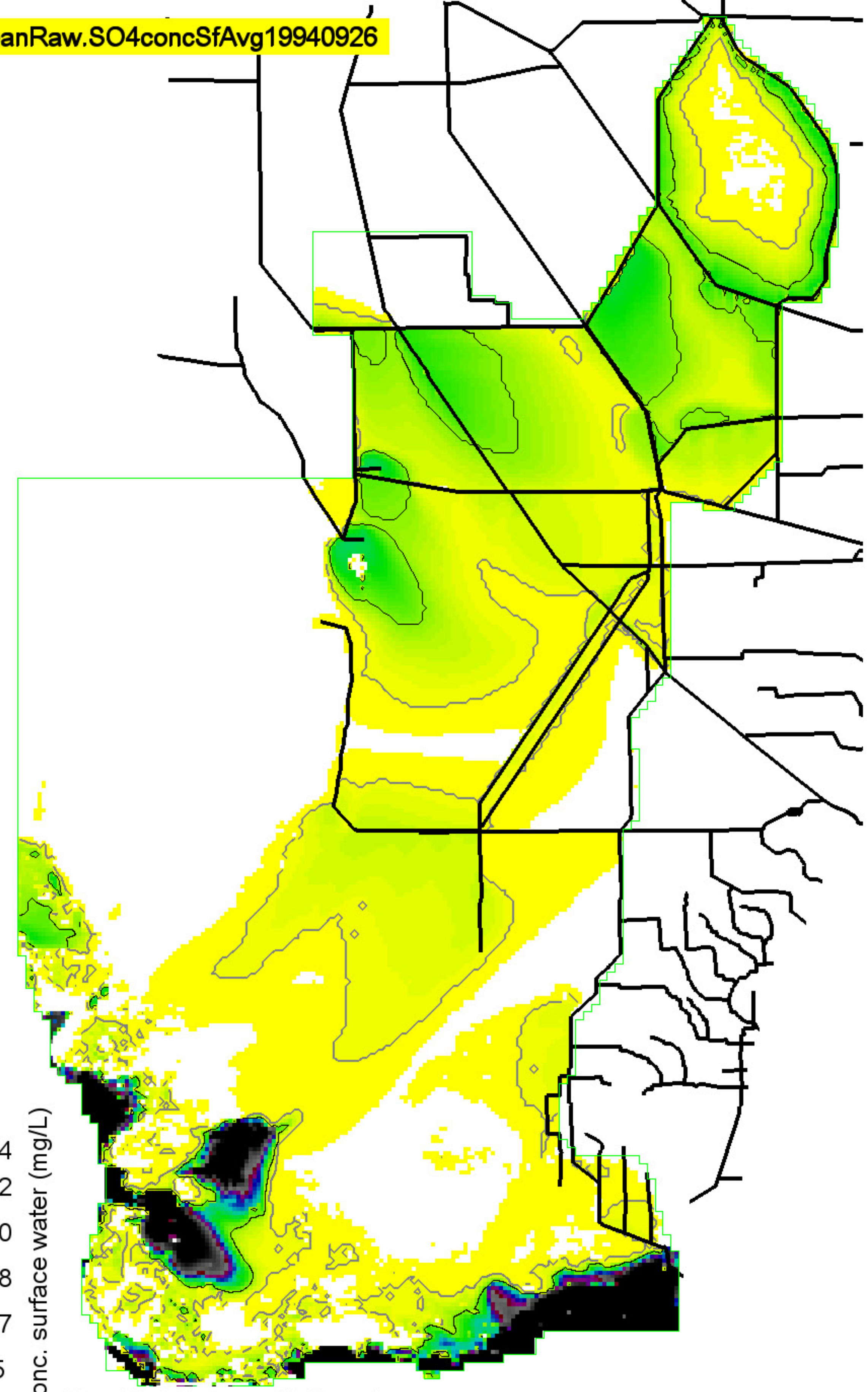
Grey, black isolines at 2, 10 mg/L  
 503525 ha of landscape is  $\geq 2$  md/L  
 179850 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

Black isolines at +/- 5 mg/L  
 77950 ha of landscape differs by  $\leq -5$  md/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



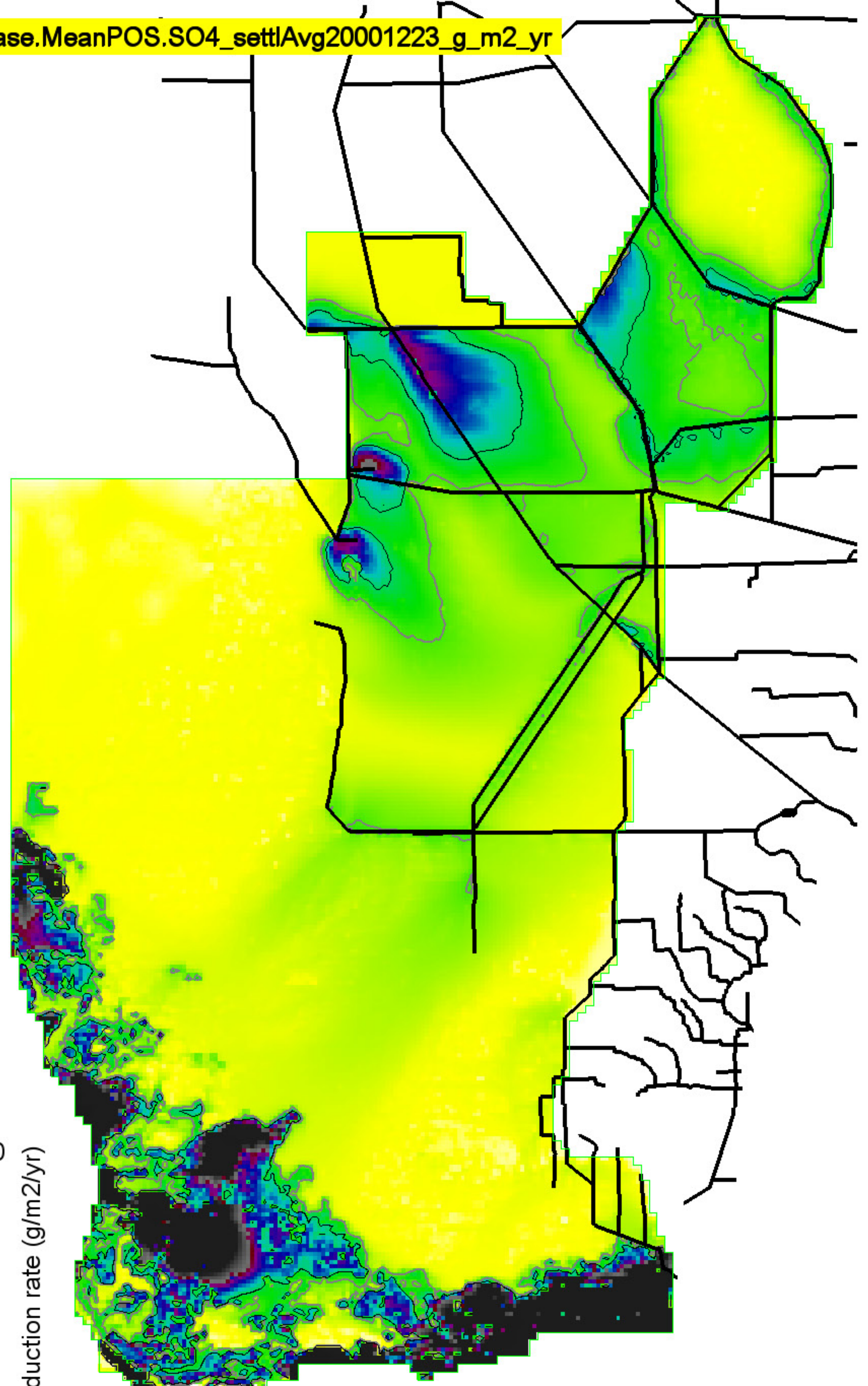
SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 460975 ha of landscape is  $\geq 2$  md/L  
 133275 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



USGS\_Base.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr

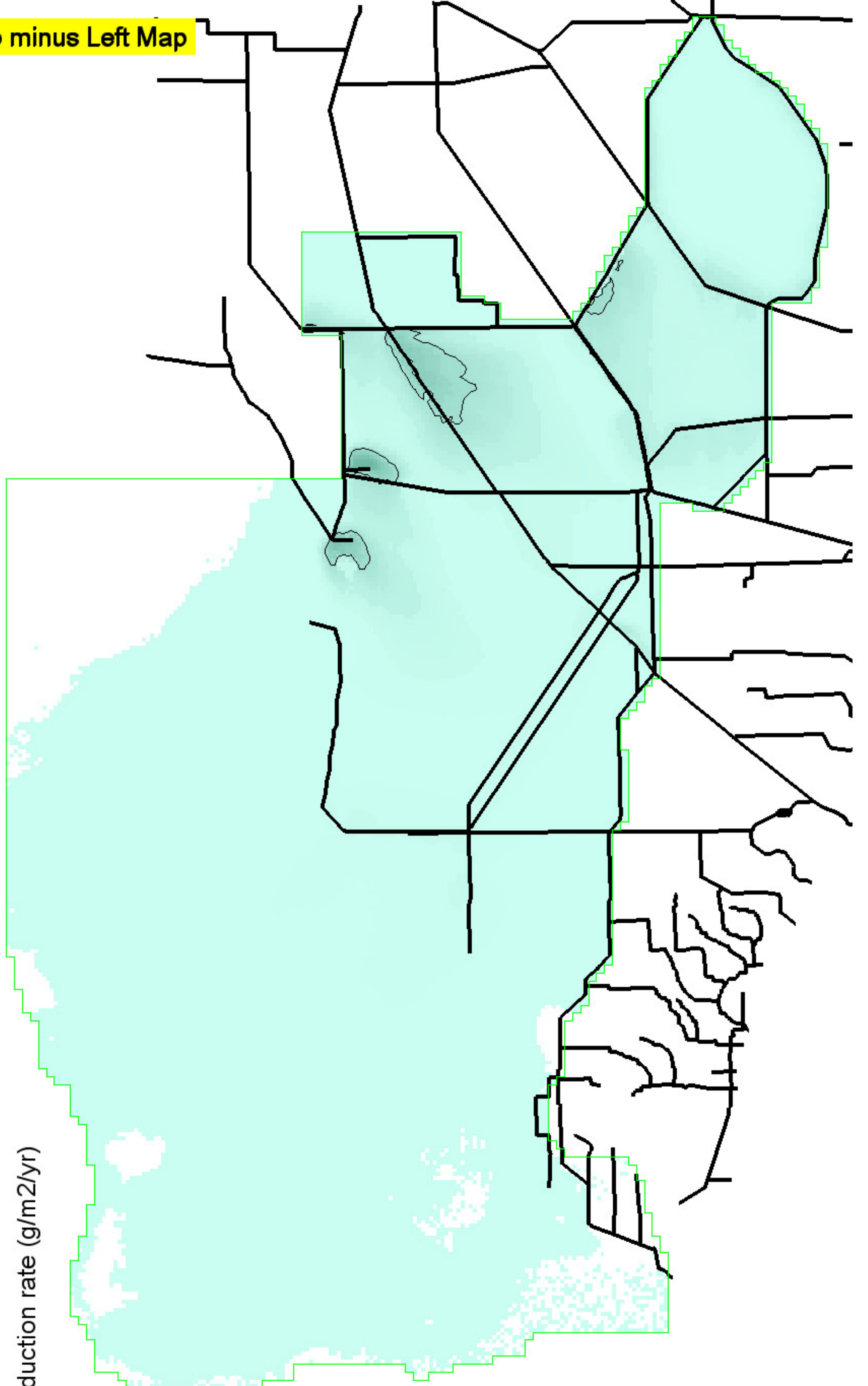


100  
88  
75  
62  
50  
38  
25  
12  
0

SO4 reduction rate (g/m2/yr)

Grey, black isolines at 15, 30 g/m2/yr  
 274875 ha of landscape is  $\geq 15$  a/m2/vr  
 147975 ha of landscape is  $\geq 30$  g/m2/yr  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

Right Map minus Left Map

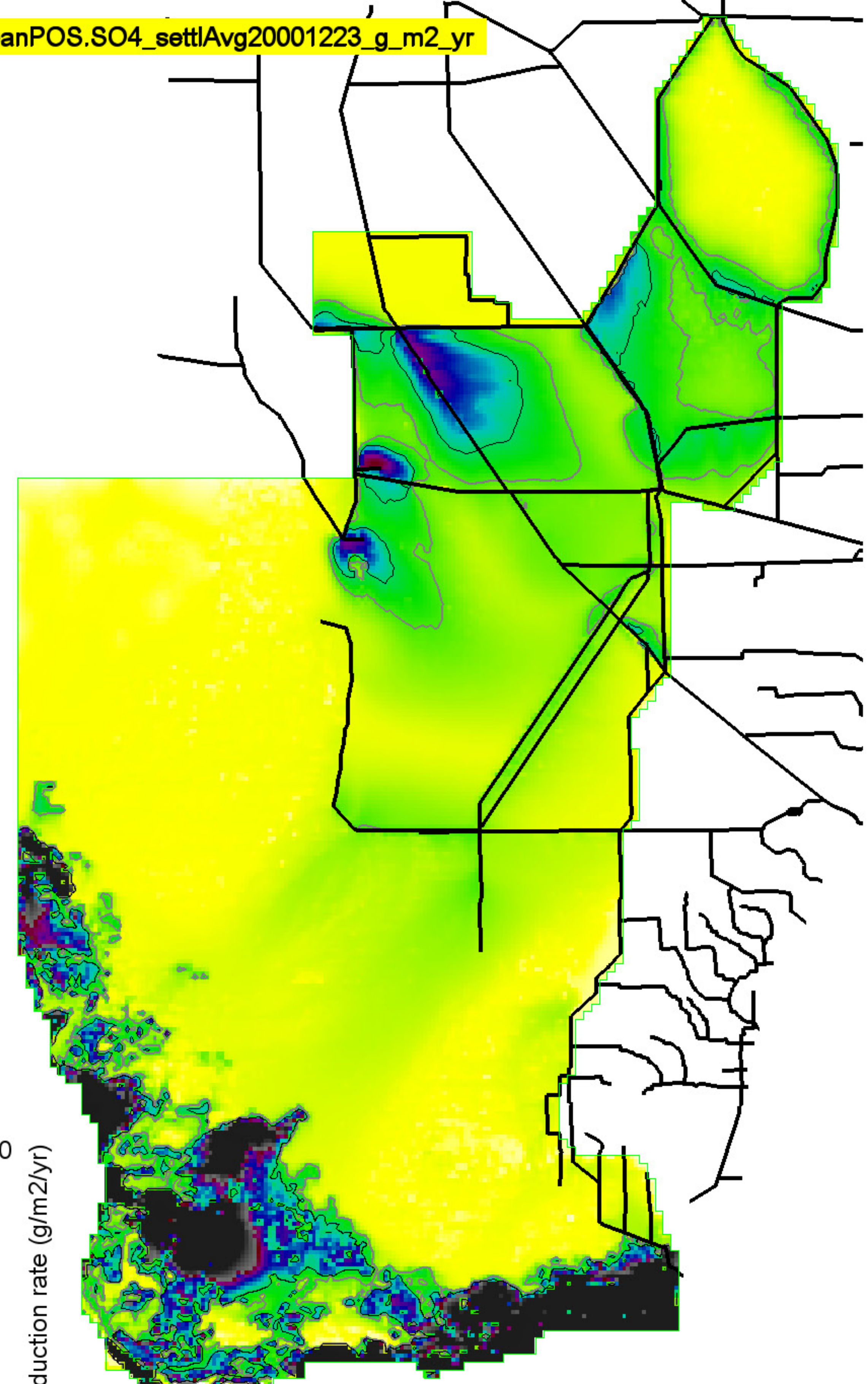


25  
19  
12  
6  
0  
-6  
-12  
-19  
-25

SO4 reduction rate (g/m2/yr)

Black isolines at +/- 5 g/m2/yr  
 11025 ha of landscape differs by  $\leq -5$  a/m2/vr  
 0 ha of landscape differs by  $\geq 5$  g/m2/yr  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  g/m2/yr

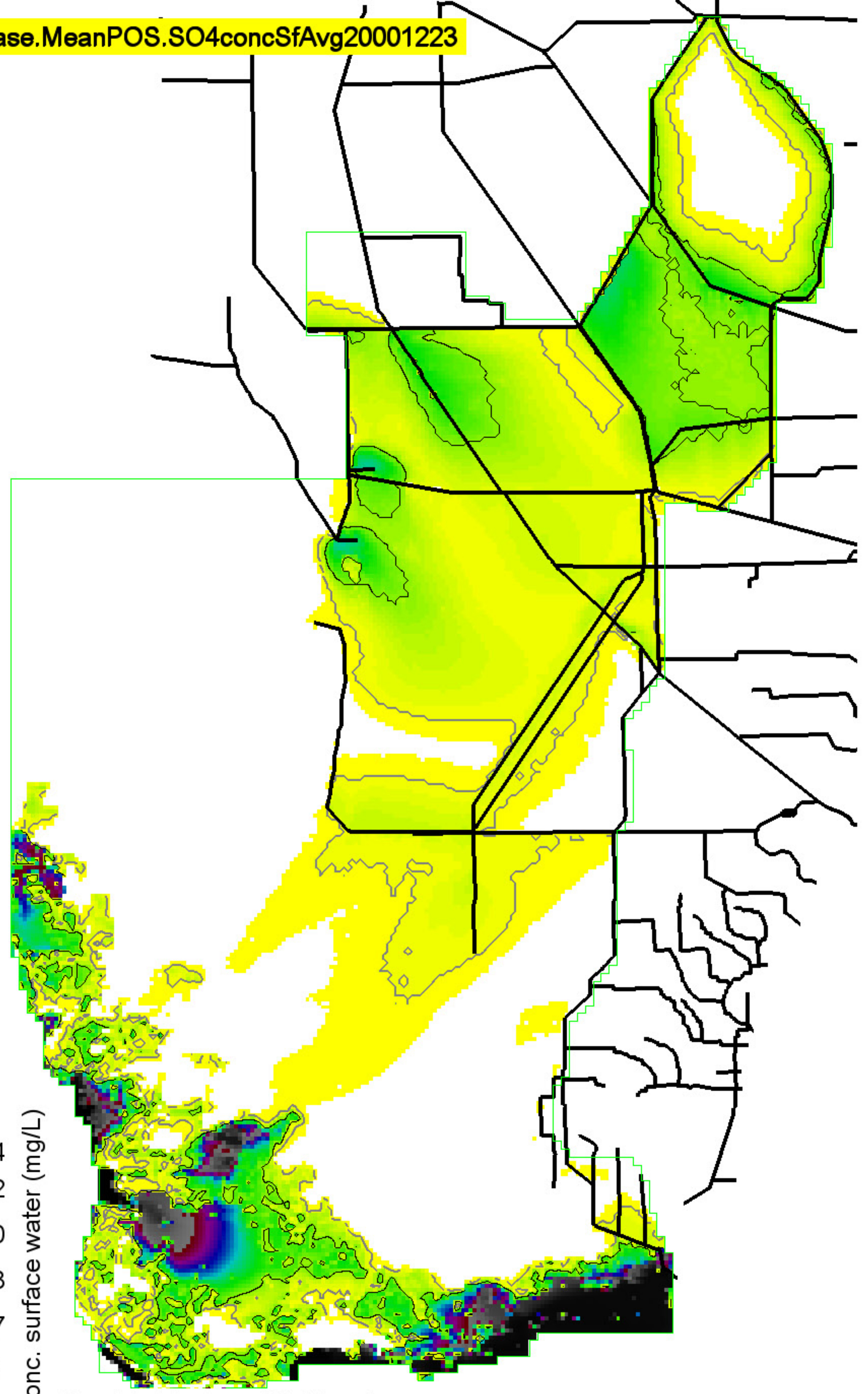
ALT3.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr



100  
88  
75  
62  
50  
38  
25  
12  
0

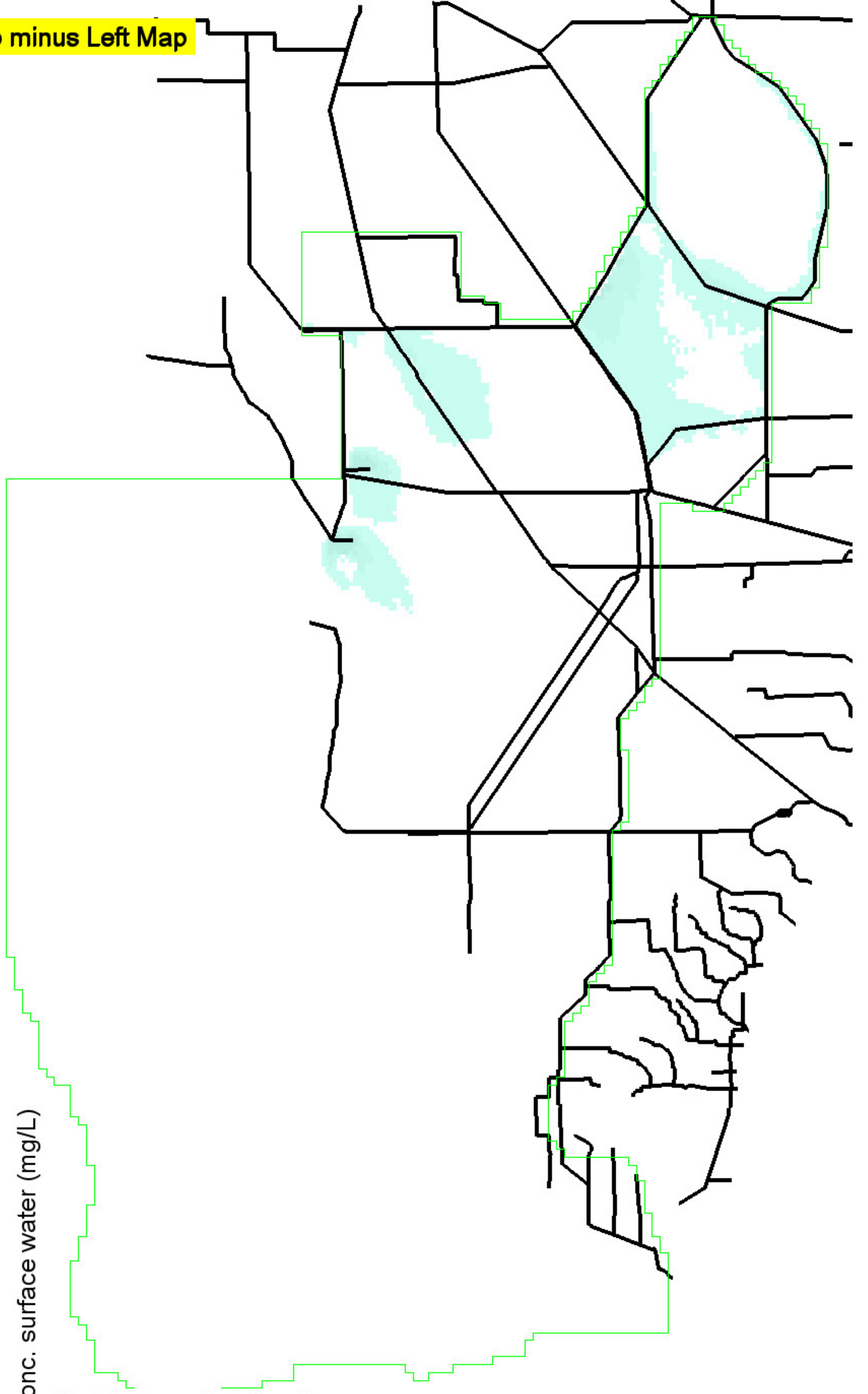
SO4 reduction rate (g/m2/yr)

Grey, black isolines at 15, 30 g/m2/yr  
 256850 ha of landscape is  $\geq 15$  a/m2/vr  
 139950 ha of landscape is  $\geq 30$  g/m2/yr  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



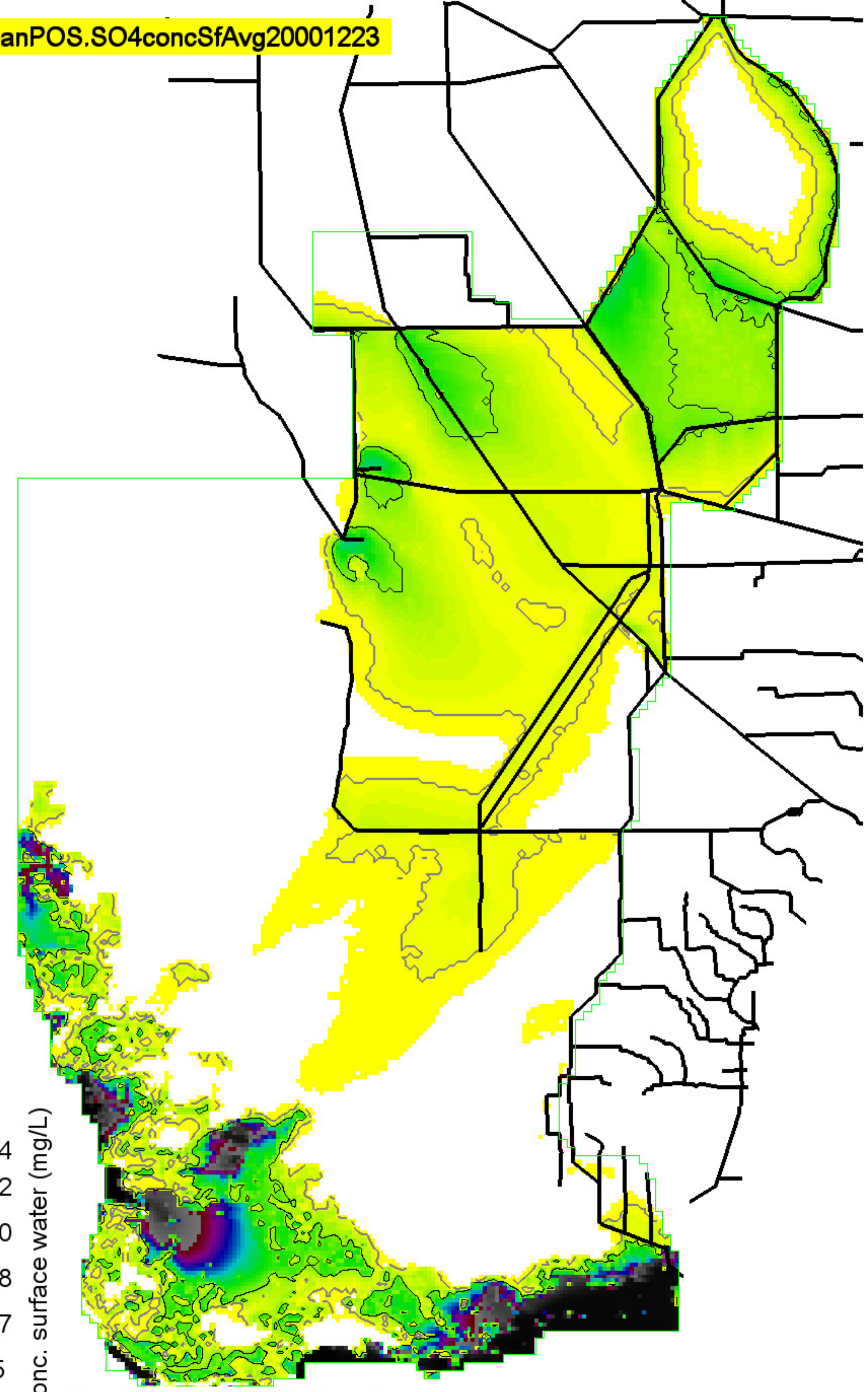
SO4 conc. surface water (mg/L)

Grey, black isolines at 2, 10 mg/L  
 479025 ha of landscape is  $\geq 2$  md/L  
 160475 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



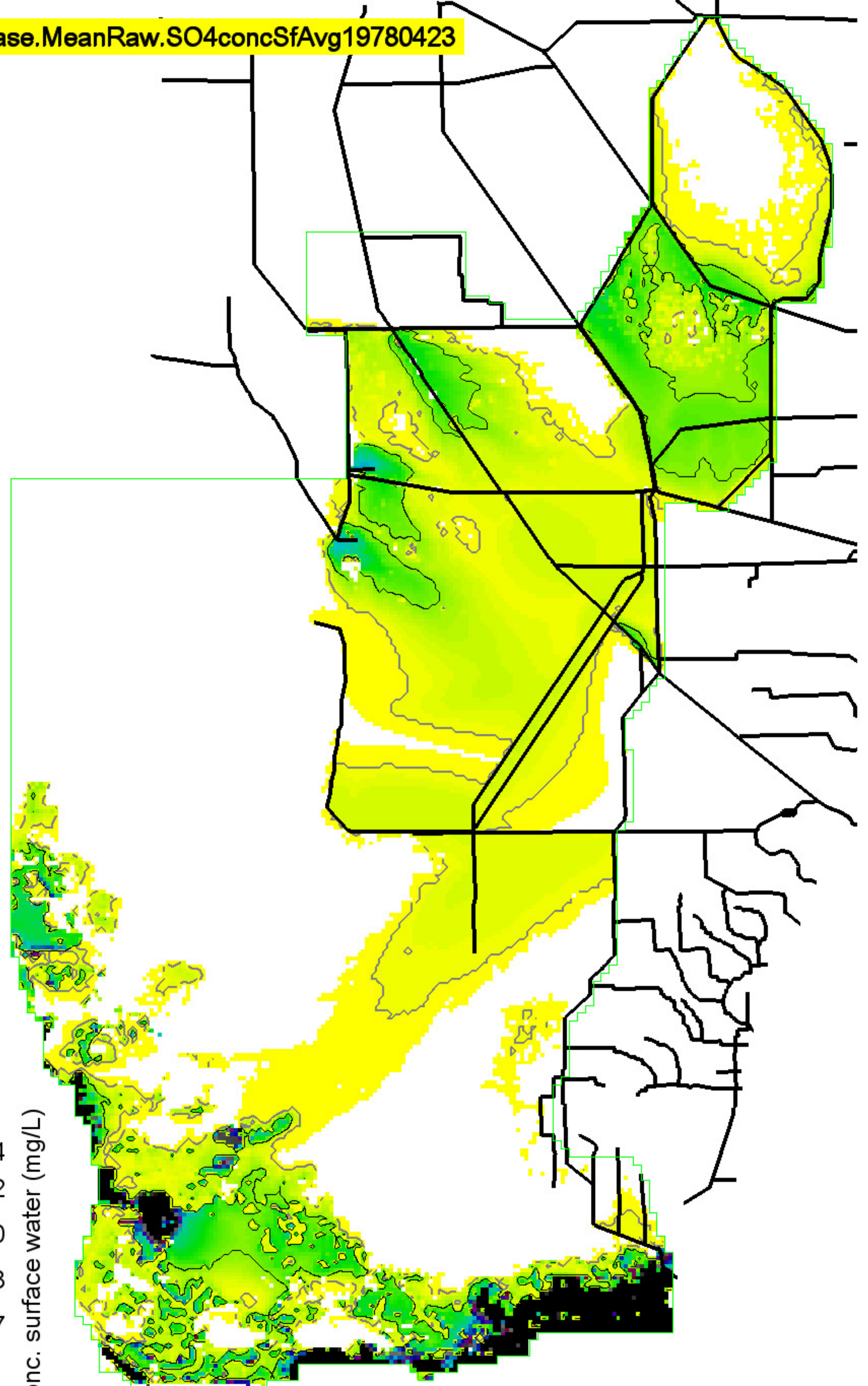
SO4 conc. surface water (mg/L)

Black isolines at +/- 5 mg/L  
 0 ha of landscape differs by  $\leq -5$  md/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



SO4 conc. surface water (mg/L)

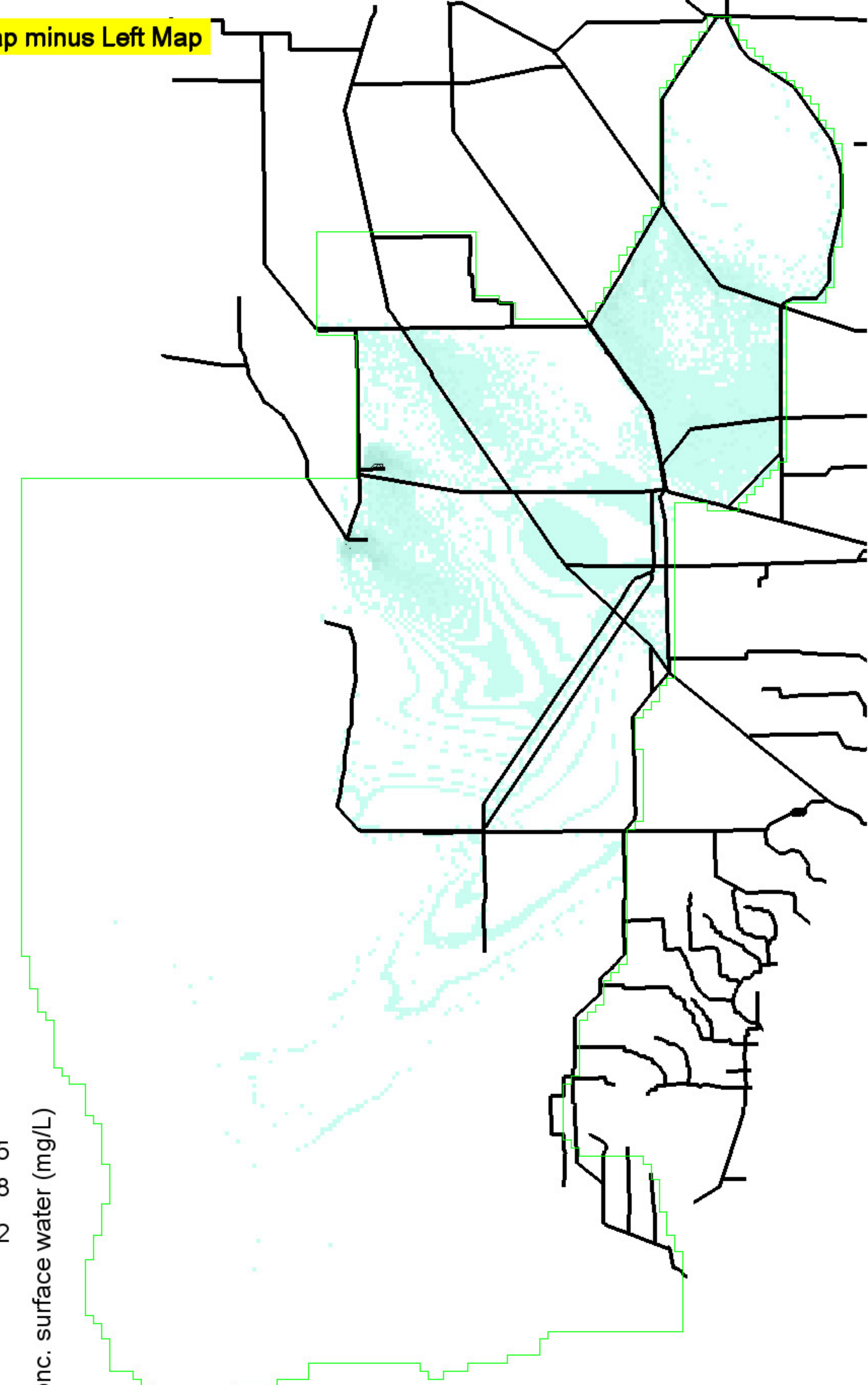
Grey, black isolines at 2, 10 mg/L  
 461875 ha of landscape is  $\geq 2$  md/L  
 146800 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

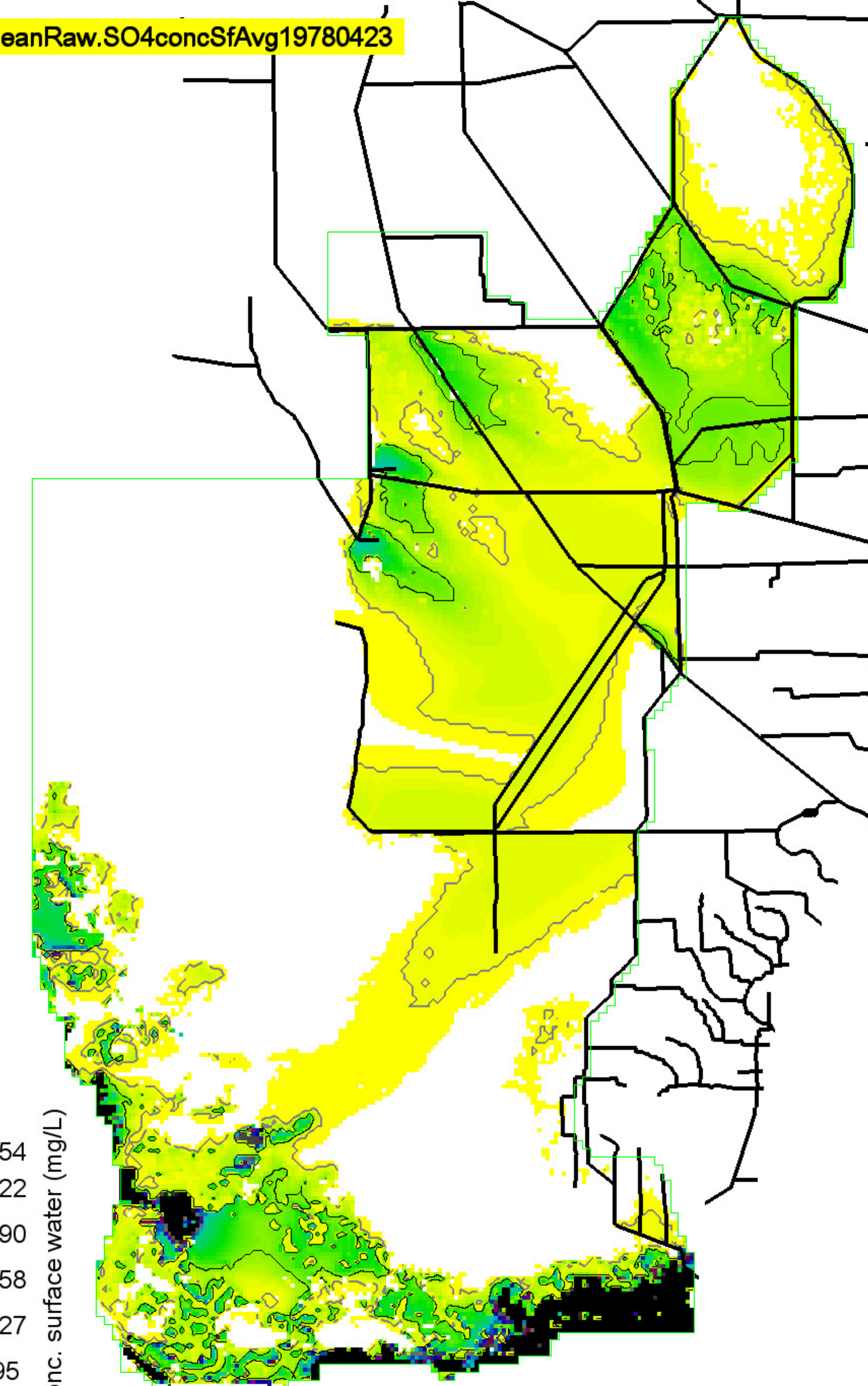
Grey, black isolines at 2, 10 mg/L  
 440250 ha of landscape is  $\geq 2$  mg/L  
 132975 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

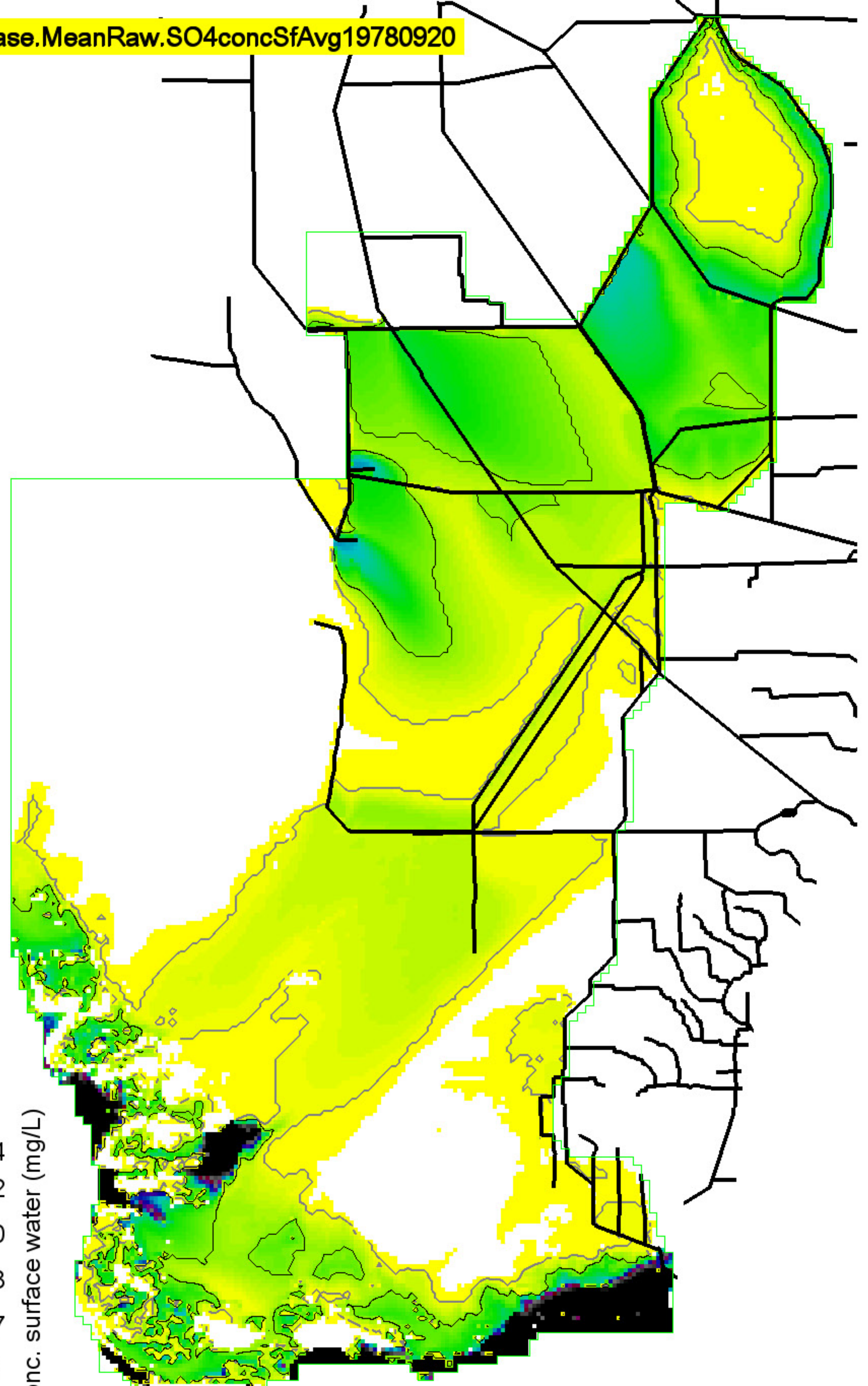
Black isolines at +/- 5 mg/L  
 275 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

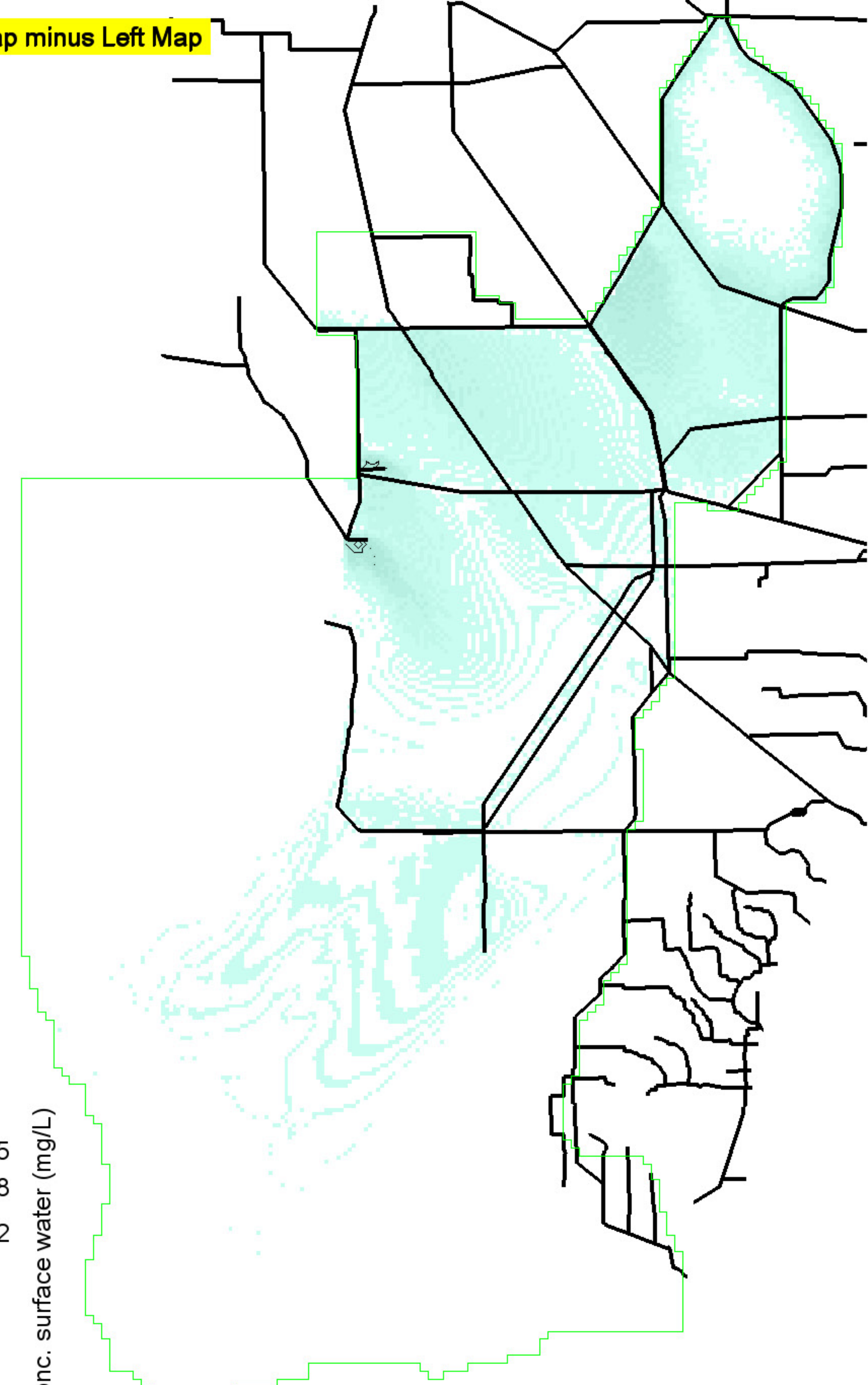
Grey, black isolines at 2, 10 mg/L  
 430950 ha of landscape is  $\geq 2$  mg/L  
 122875 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

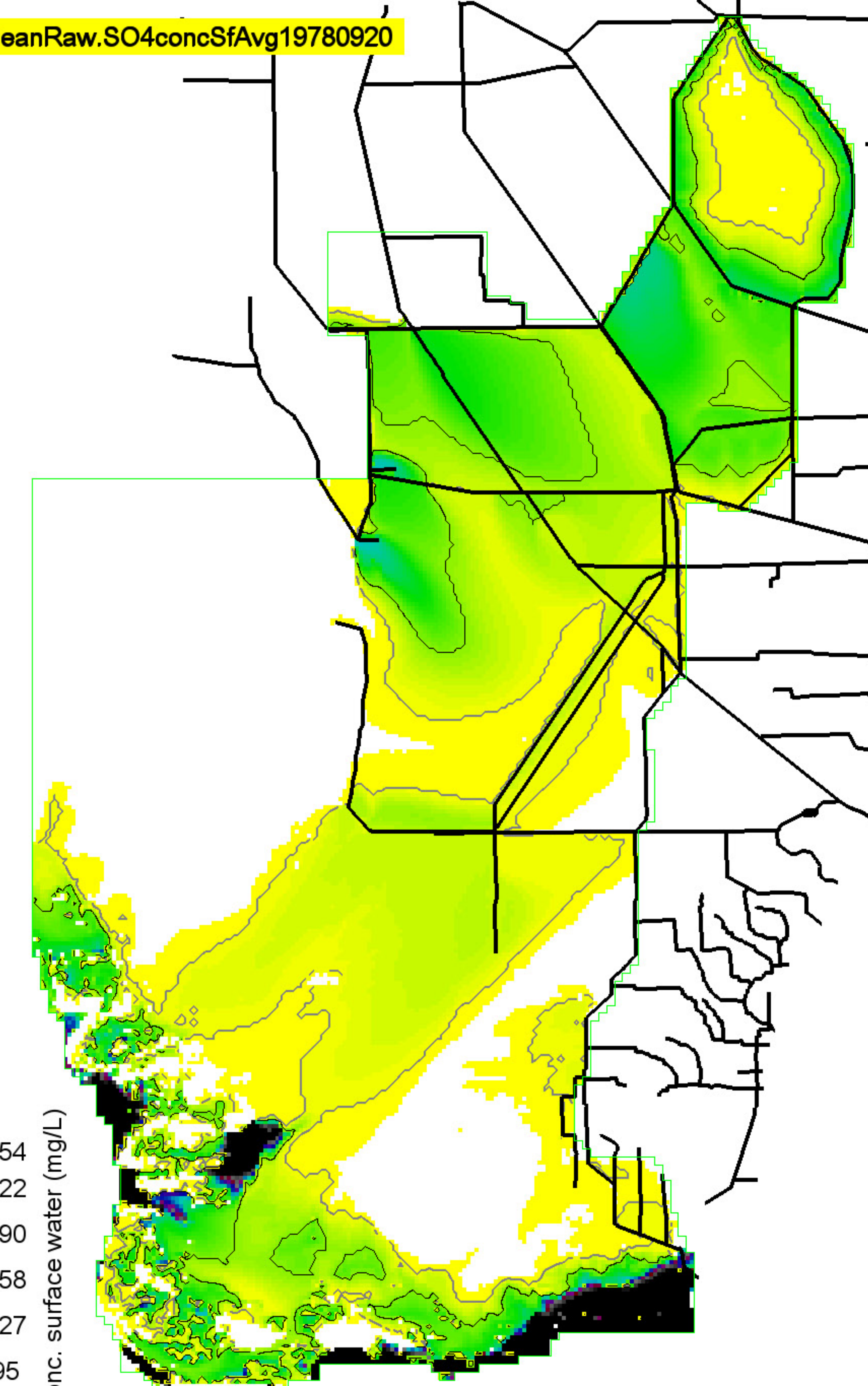
Grey, black isolines at 2, 10 mg/L  
 560650 ha of landscape is  $\geq 2$  mg/L  
 228025 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

Black isolines at +/- 5 mg/L  
 800 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L

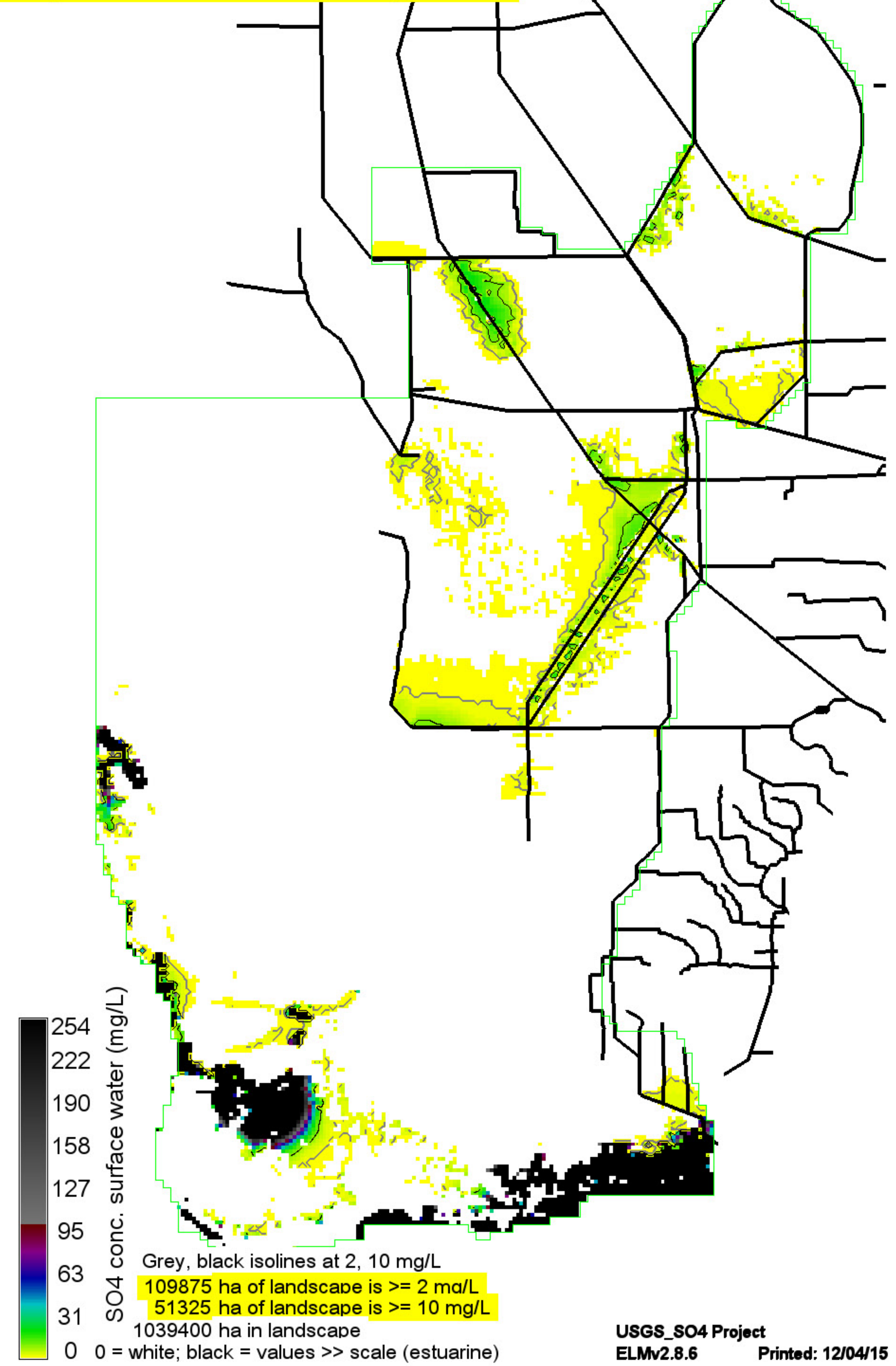


SO4 conc. surface water (mg/L)

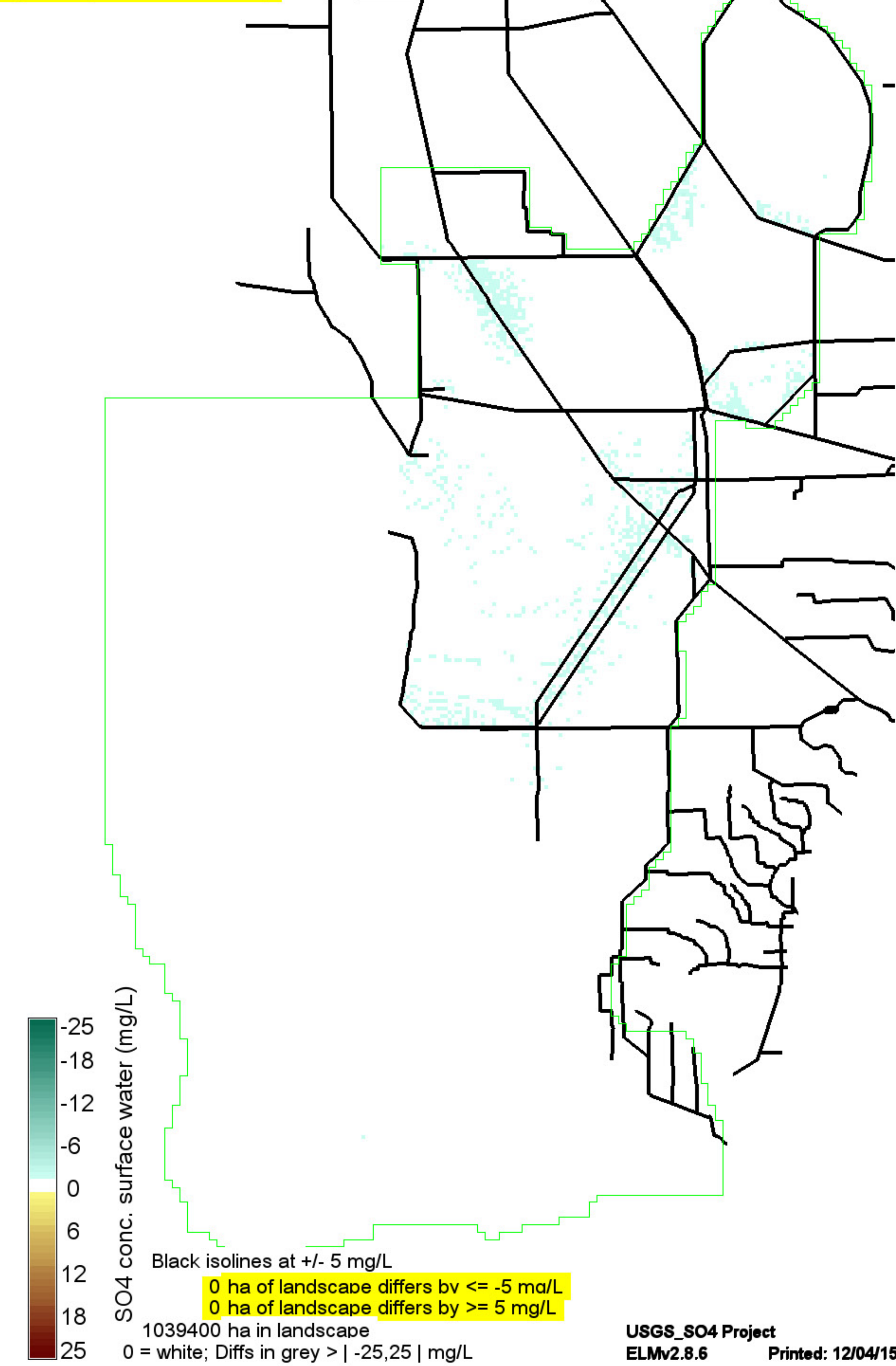
254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 552325 ha of landscape is  $\geq 2$  mg/L  
 216175 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

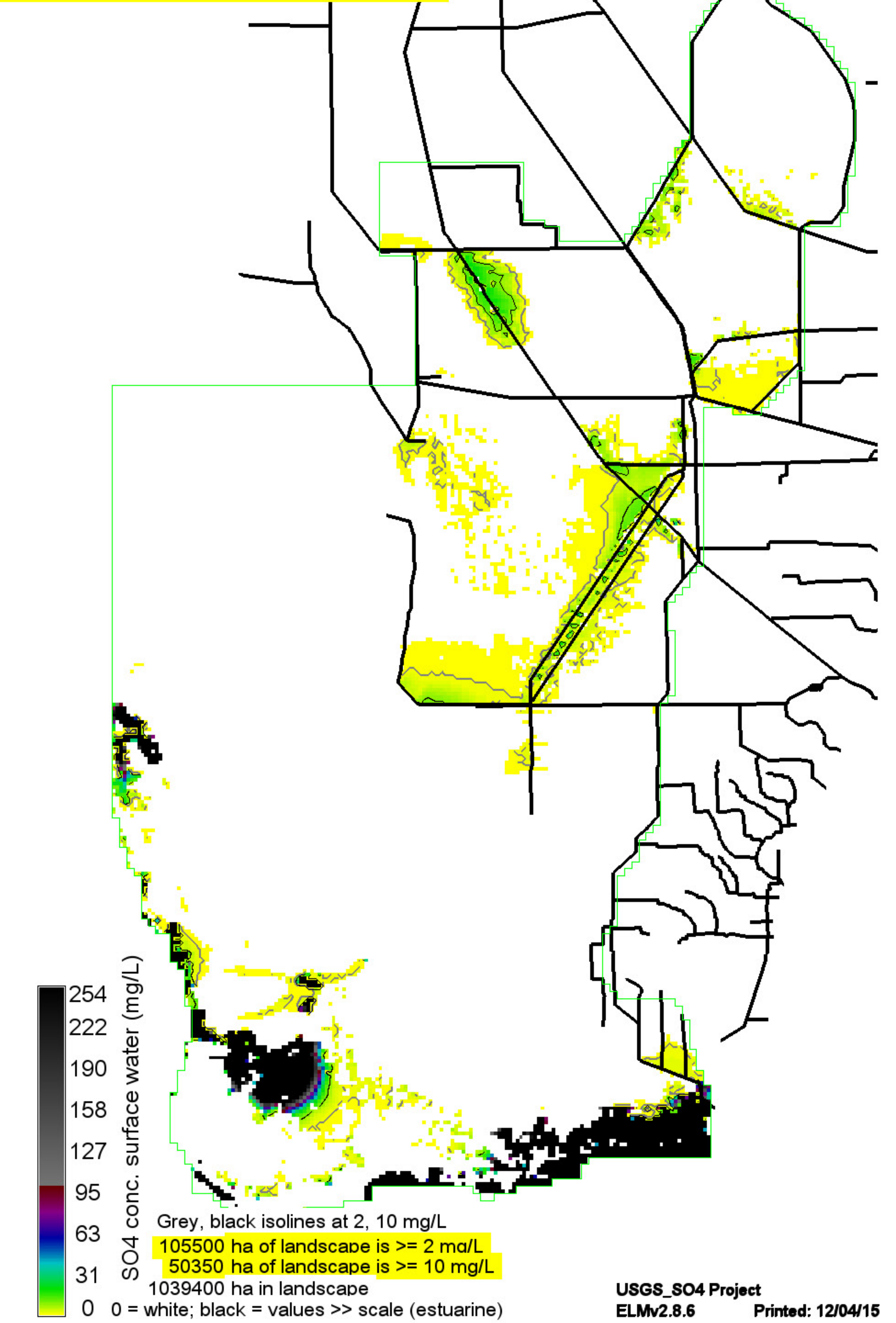
USGS\_Base.MeanRaw.SO4concSfAvg19890425

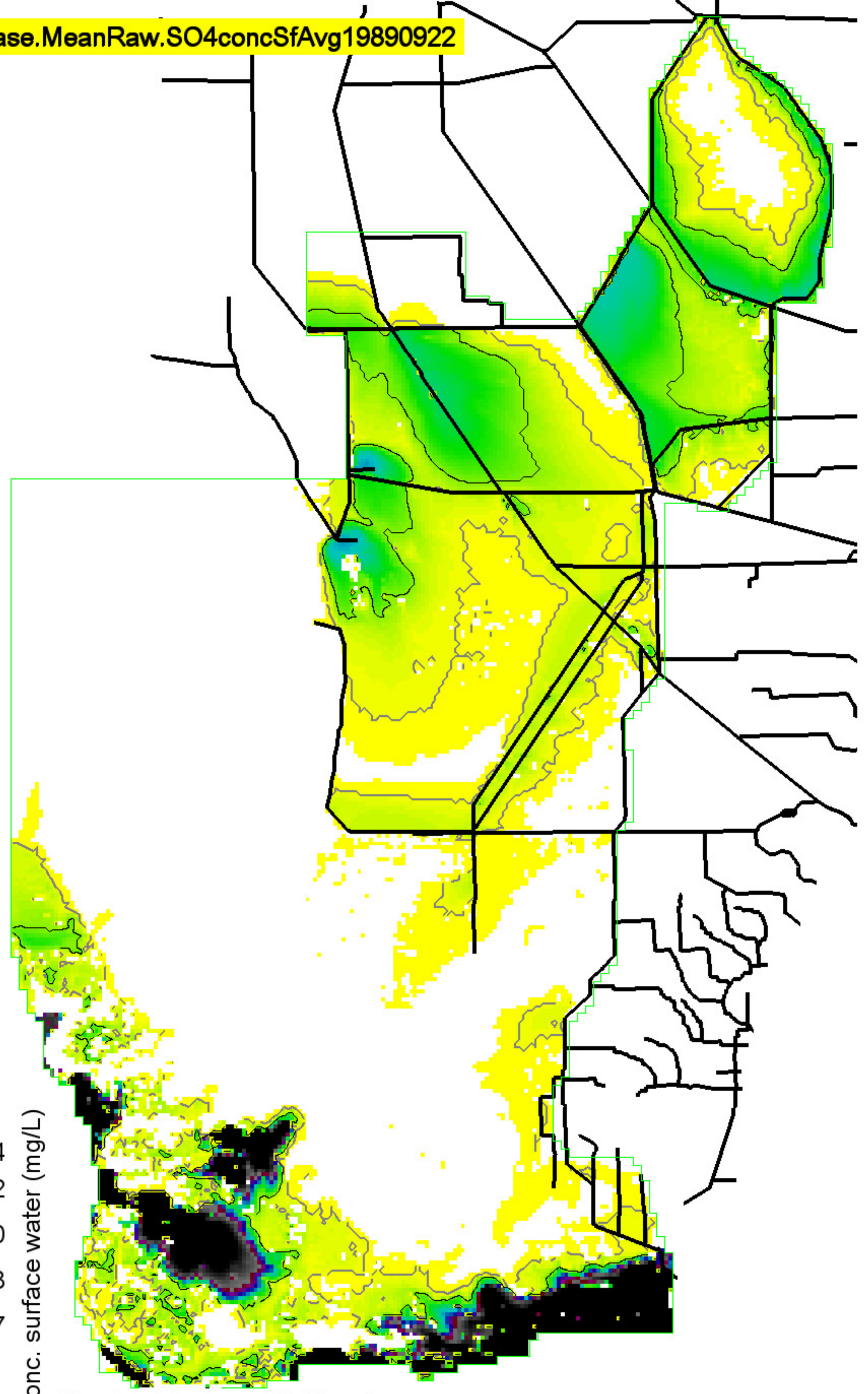


Right Map minus Left Map



ALT3.MeanRaw.SO4concSfAvg19890425

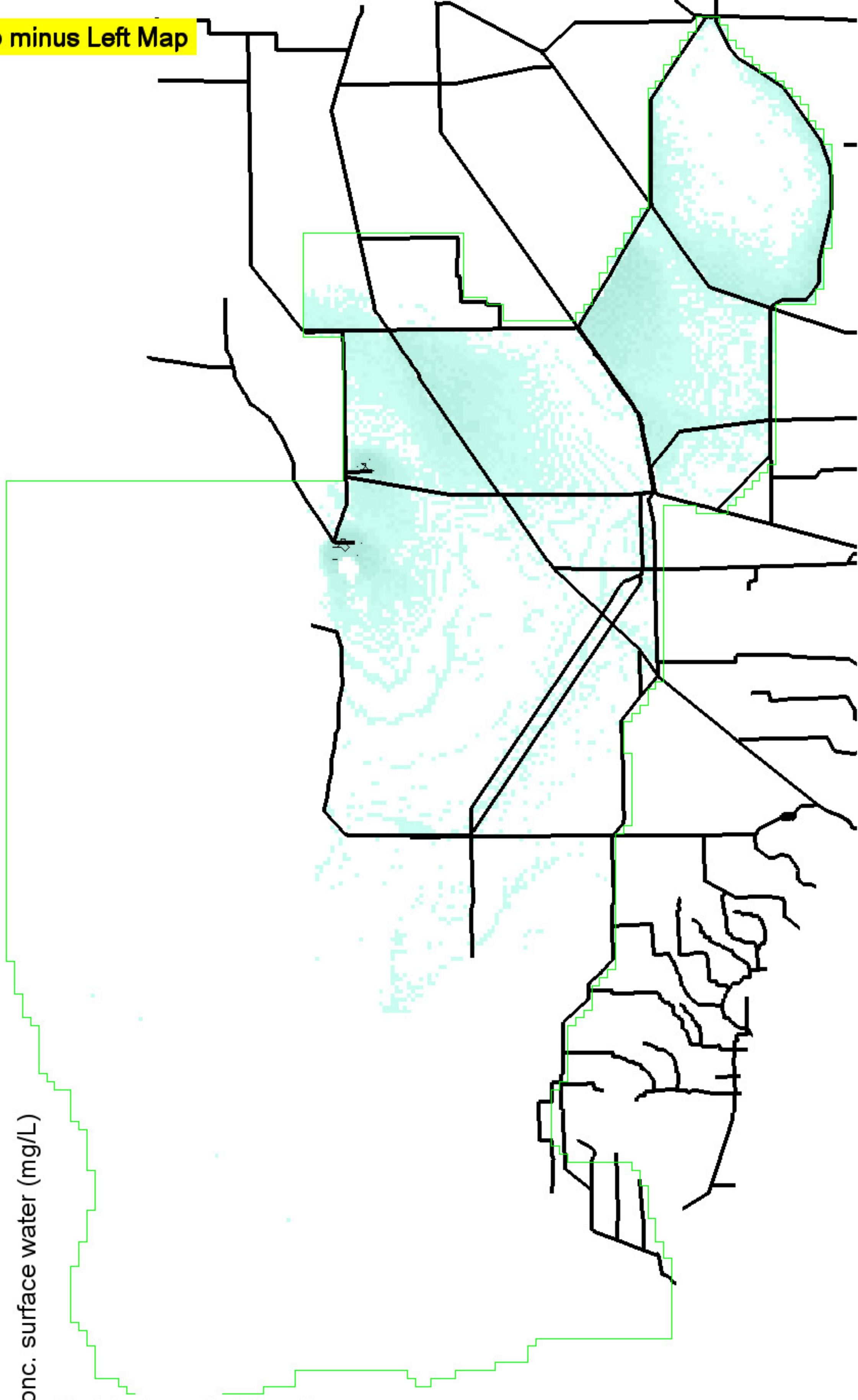




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

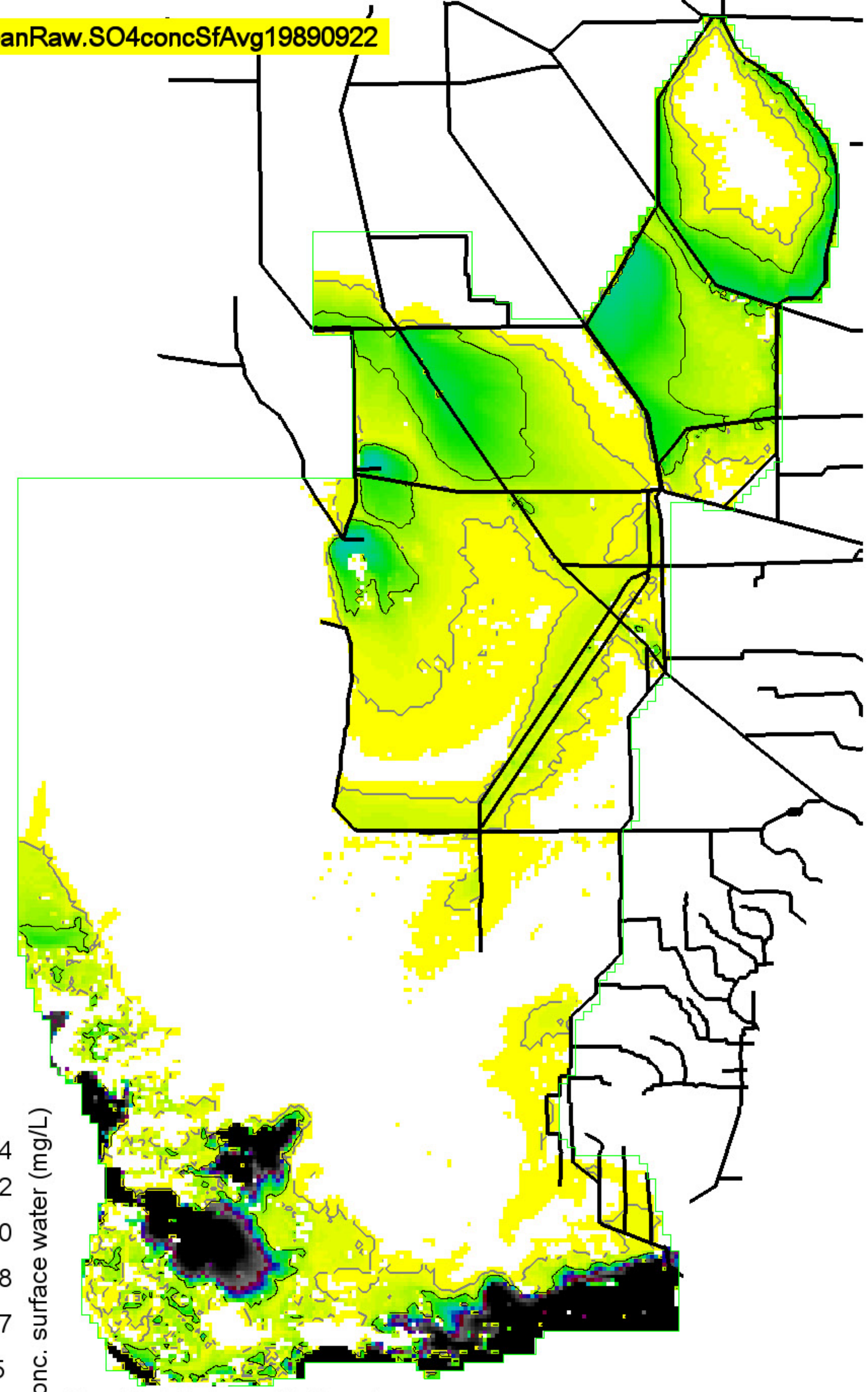
Grey, black isolines at 2, 10 mg/L  
 398375 ha of landscape is  $\geq 2$  md/L  
 165625 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

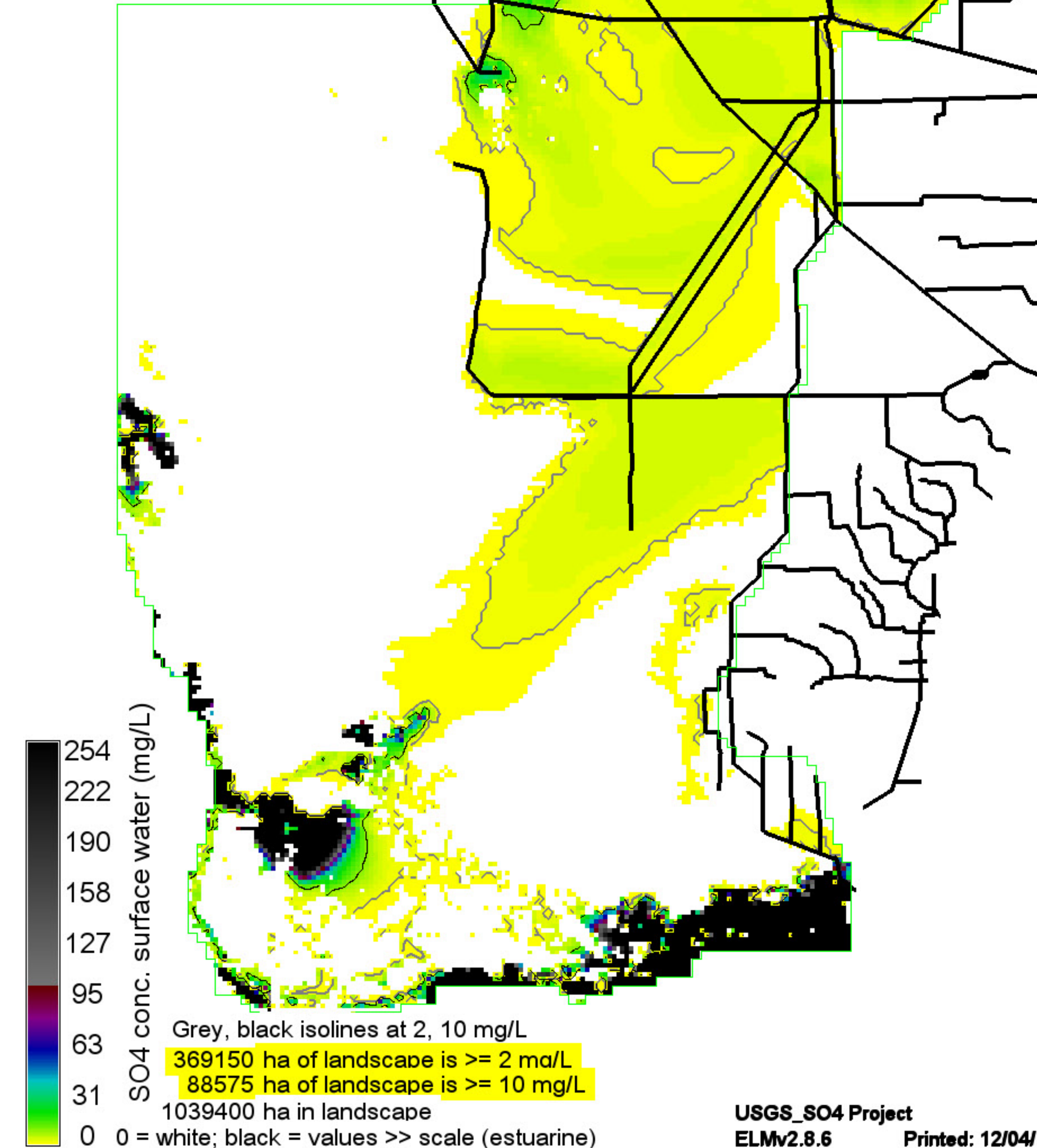
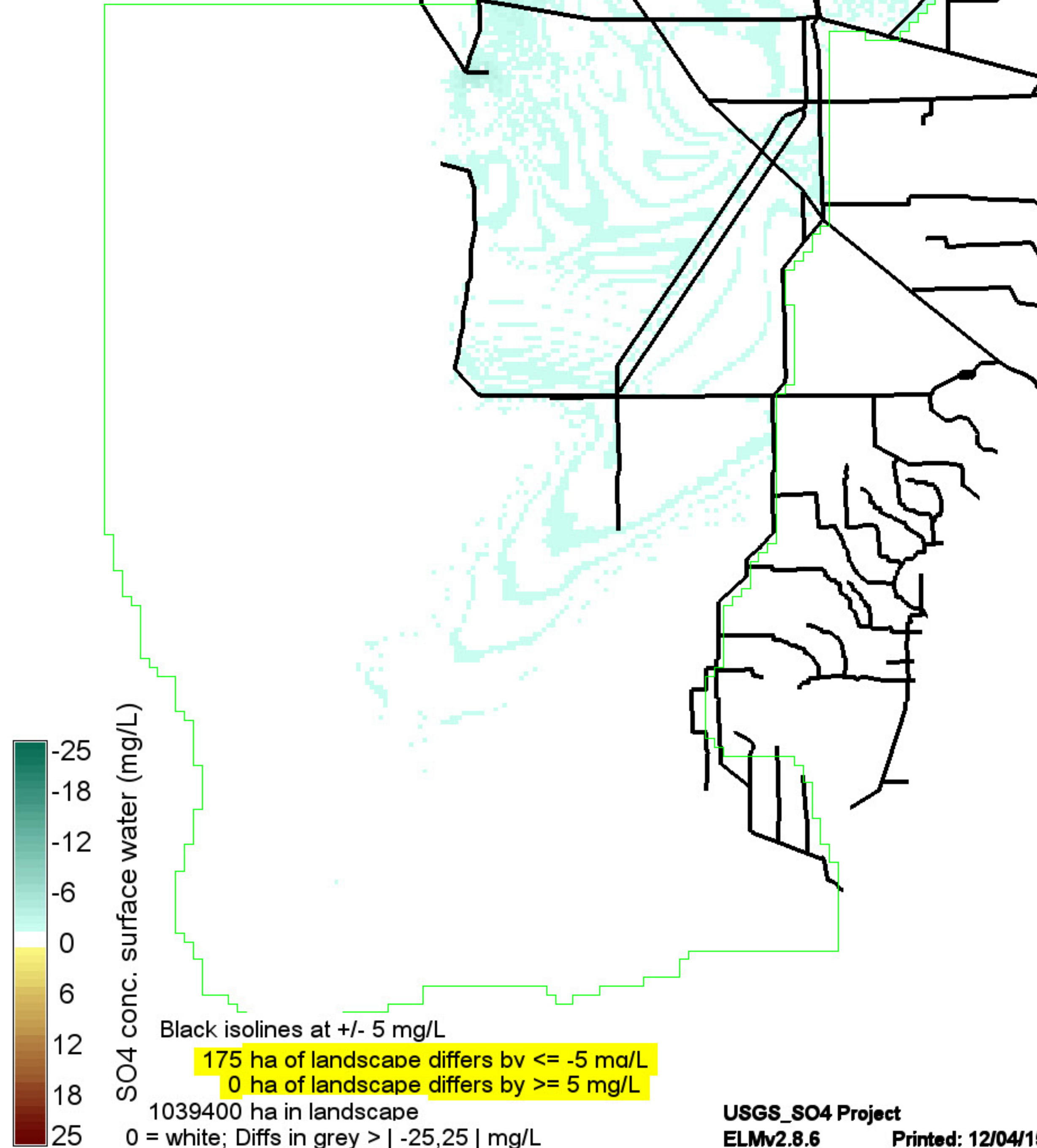
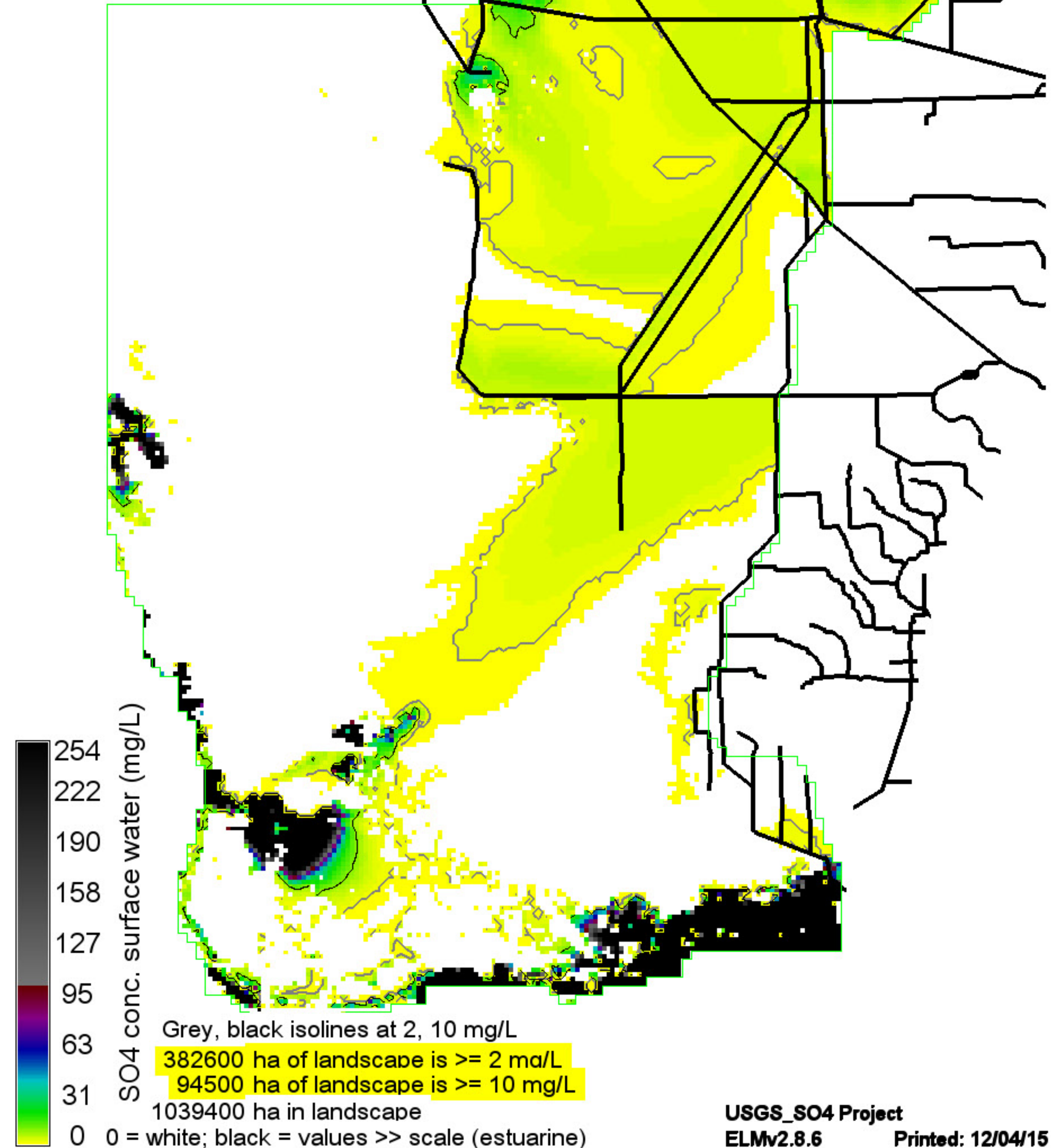
Black isolines at +/- 5 mg/L  
 600 ha of landscape differs by  $\leq -5$  md/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L

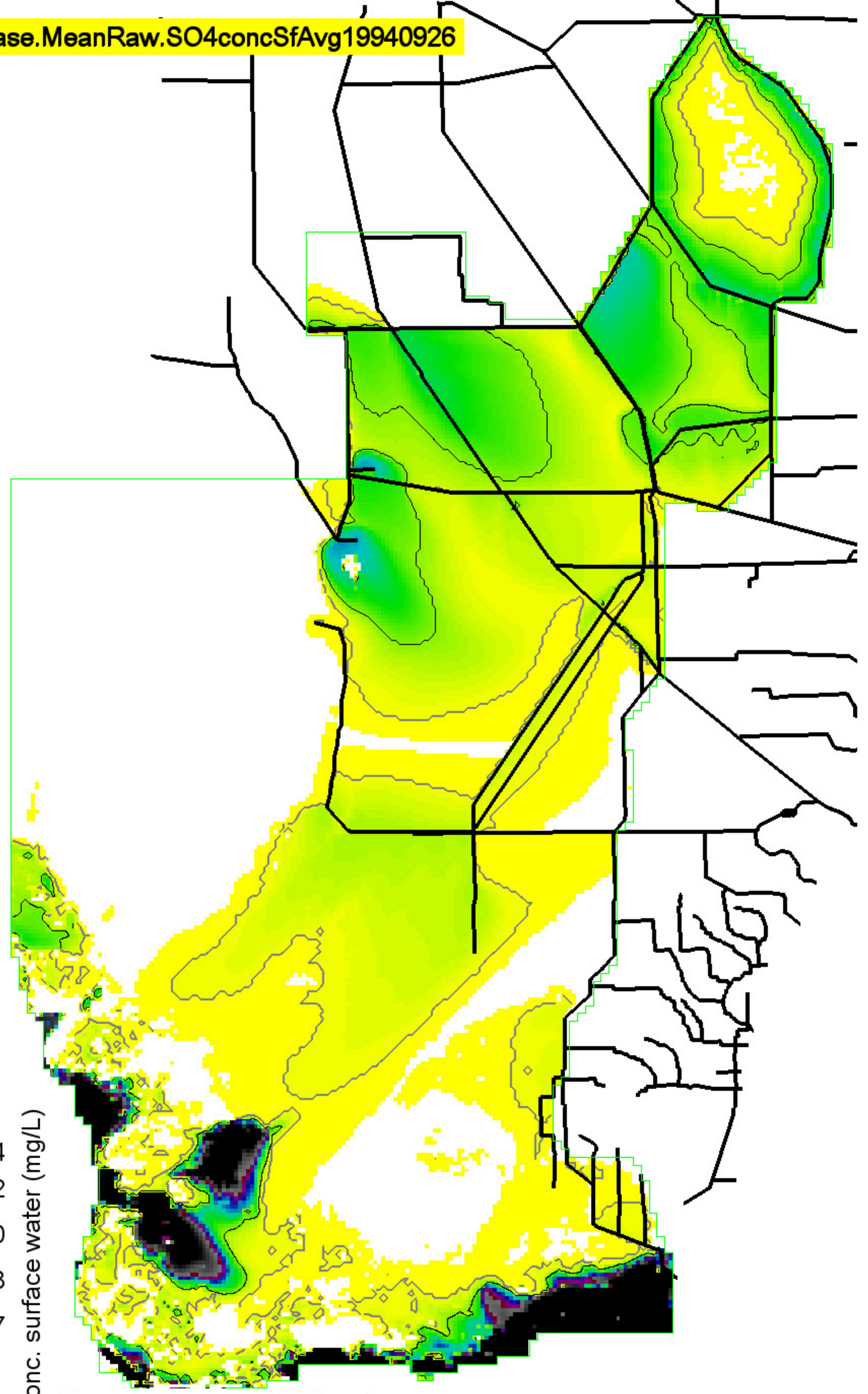


SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 390625 ha of landscape is  $\geq 2$  md/L  
 157225 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

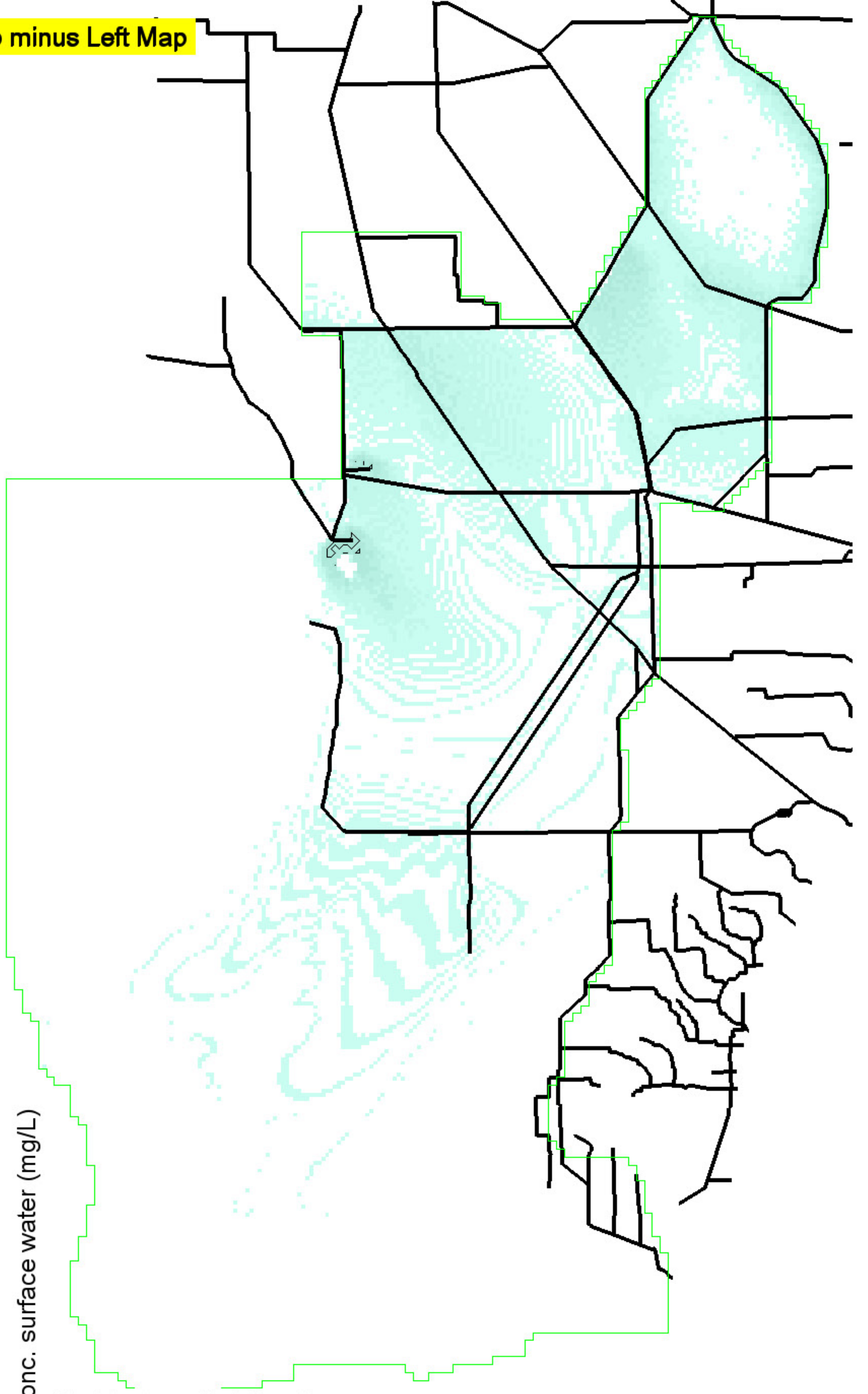




254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

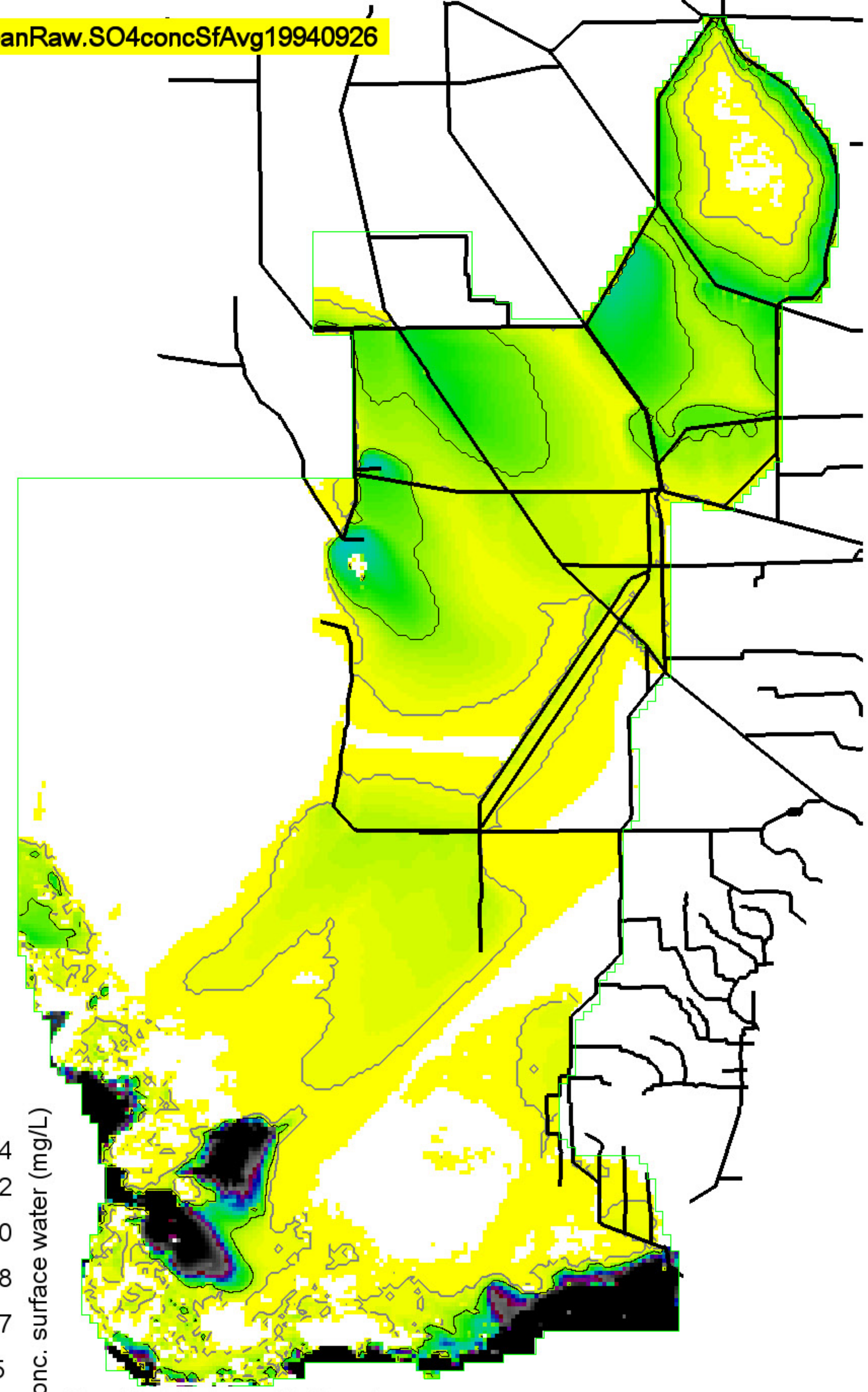
Grey, black isolines at 2, 10 mg/L  
 503525 ha of landscape is  $\geq 2$  mg/L  
 179850 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

SO4 conc. surface water (mg/L)

Black isolines at +/- 5 mg/L  
 1025 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



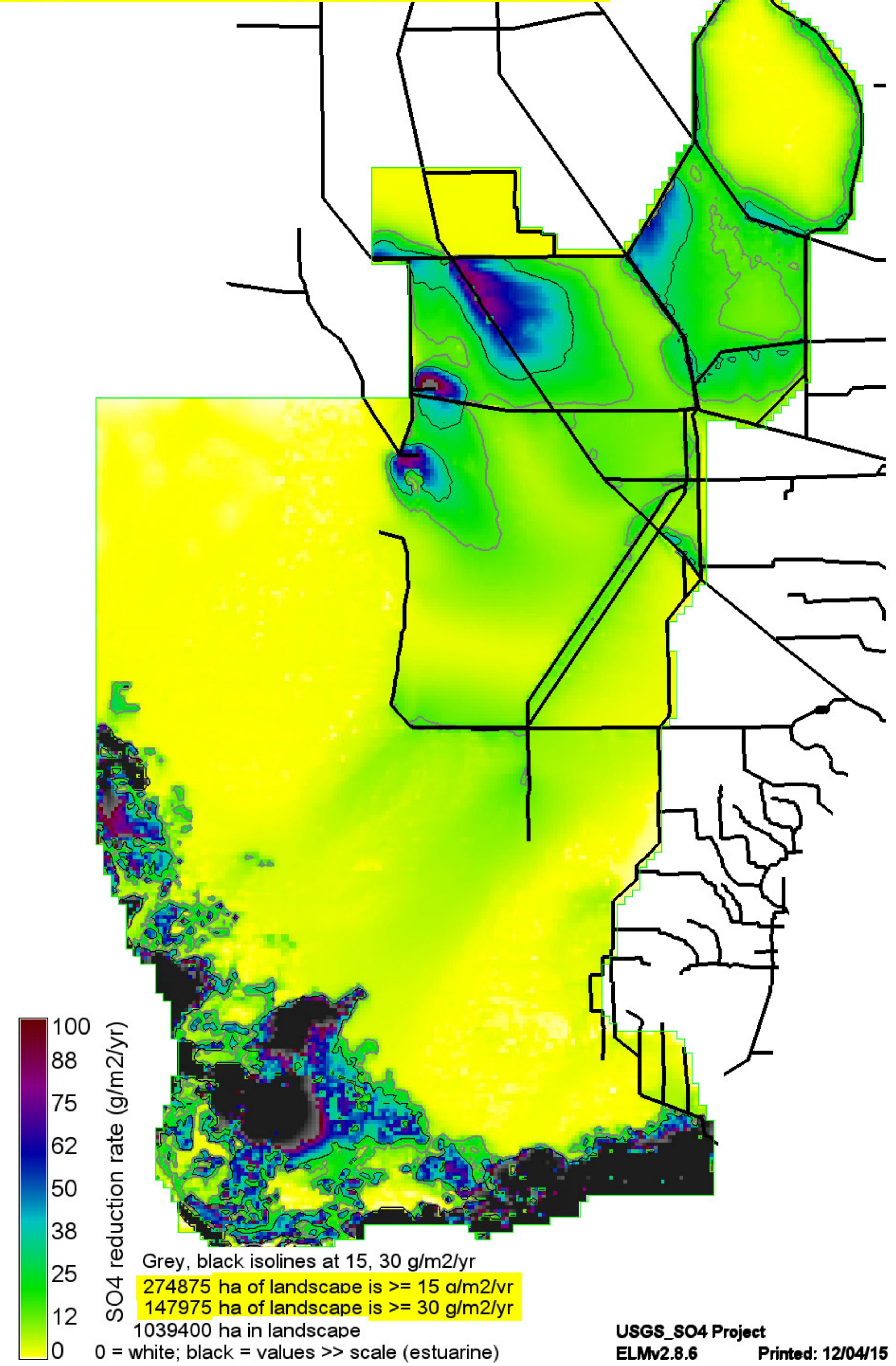
254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

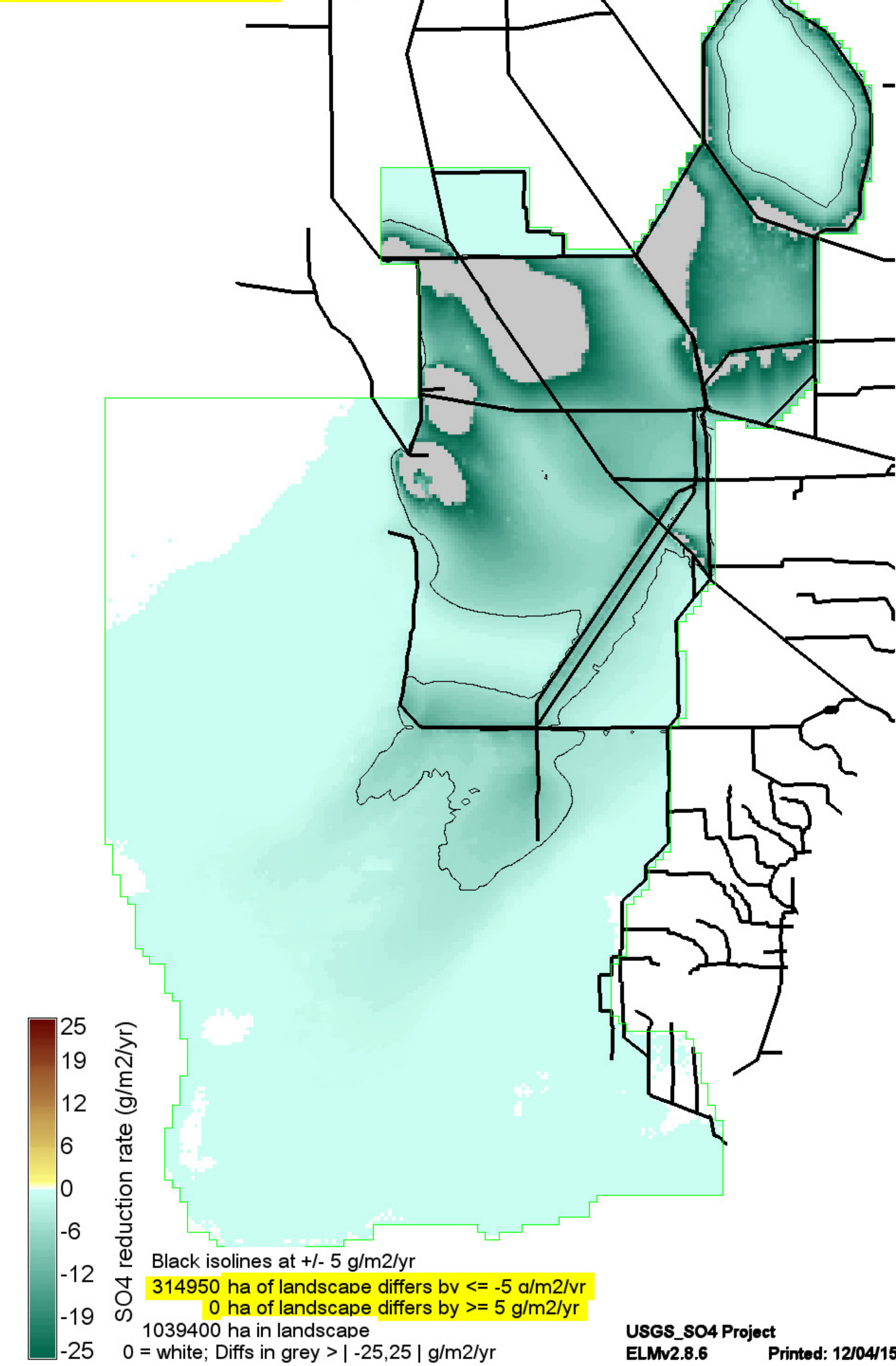
Grey, black isolines at 2, 10 mg/L  
 493250 ha of landscape is  $\geq 2$  mg/L  
 168750 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



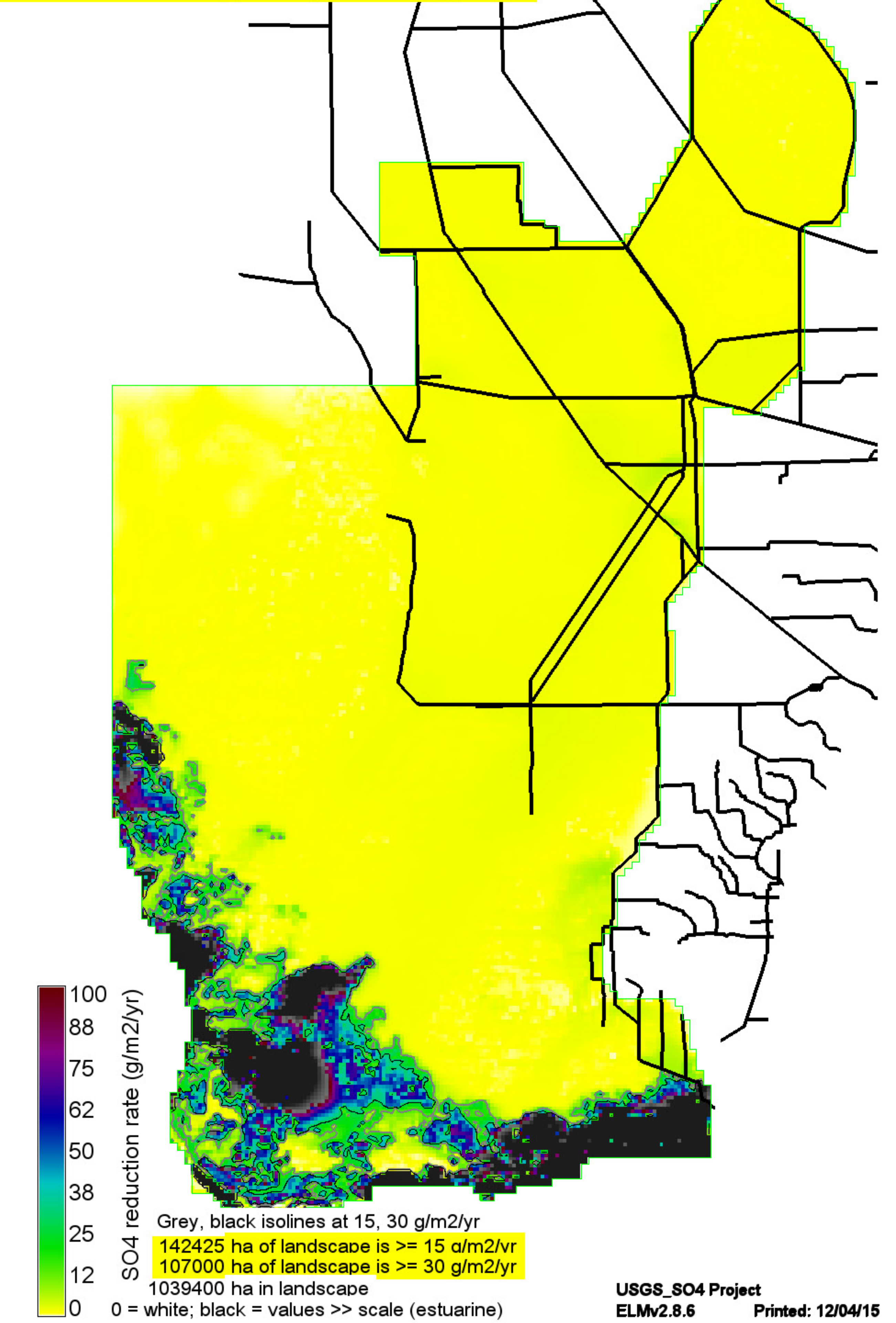
USGS\_Base.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr

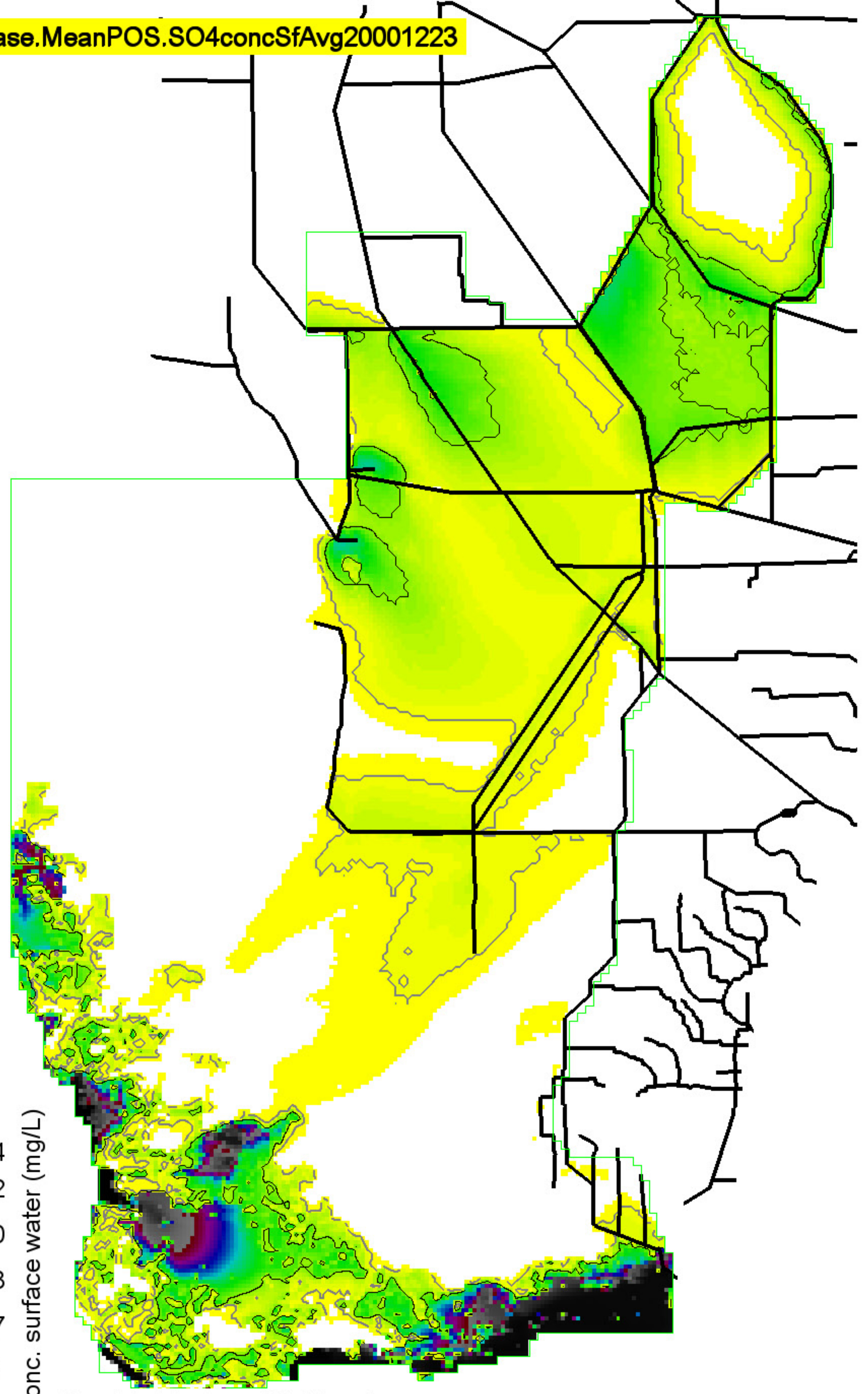


Right Map minus Left Map



ALT4.MeanPOS.SO4\_settlAvg20001223\_g\_m2\_yr

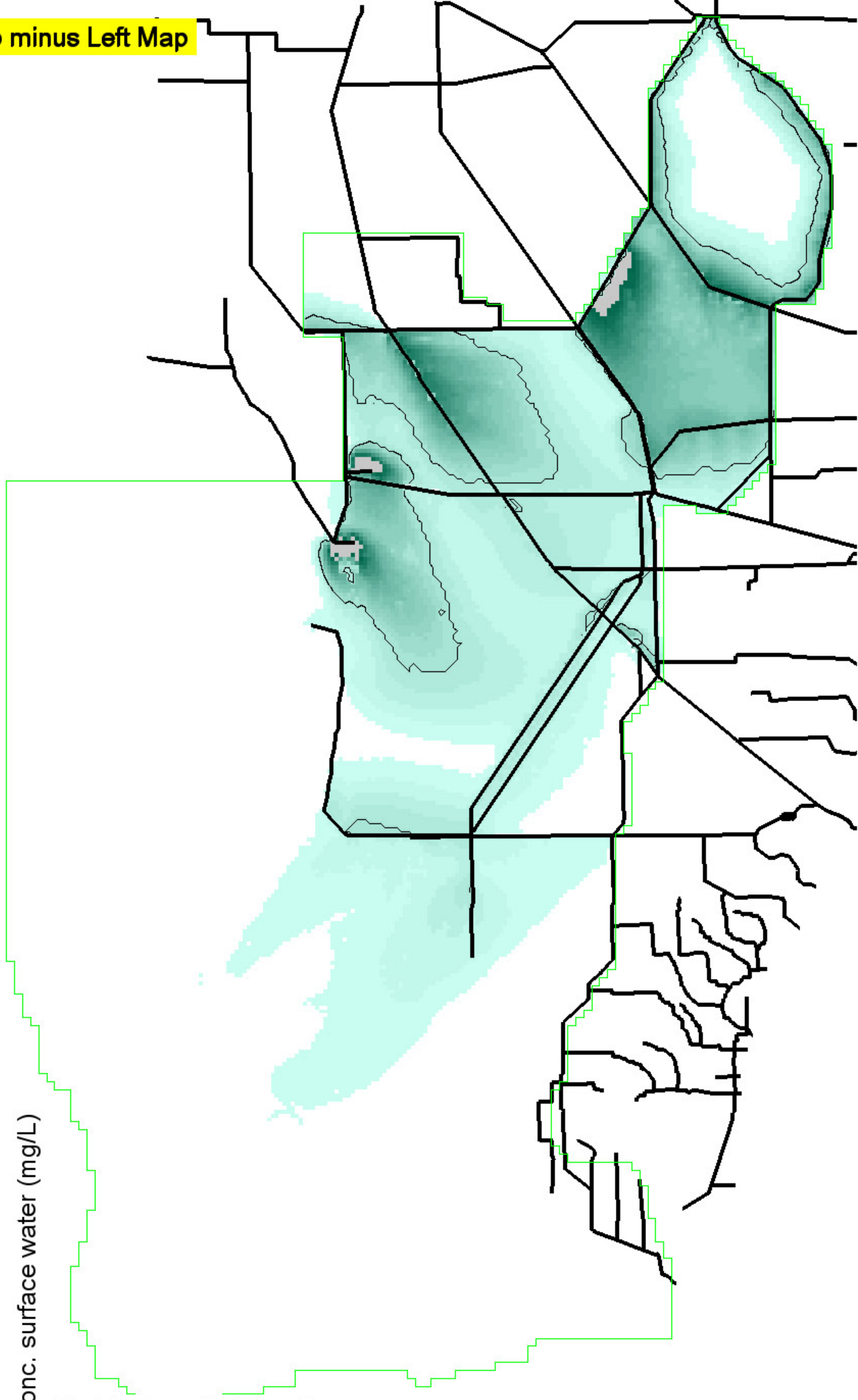




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

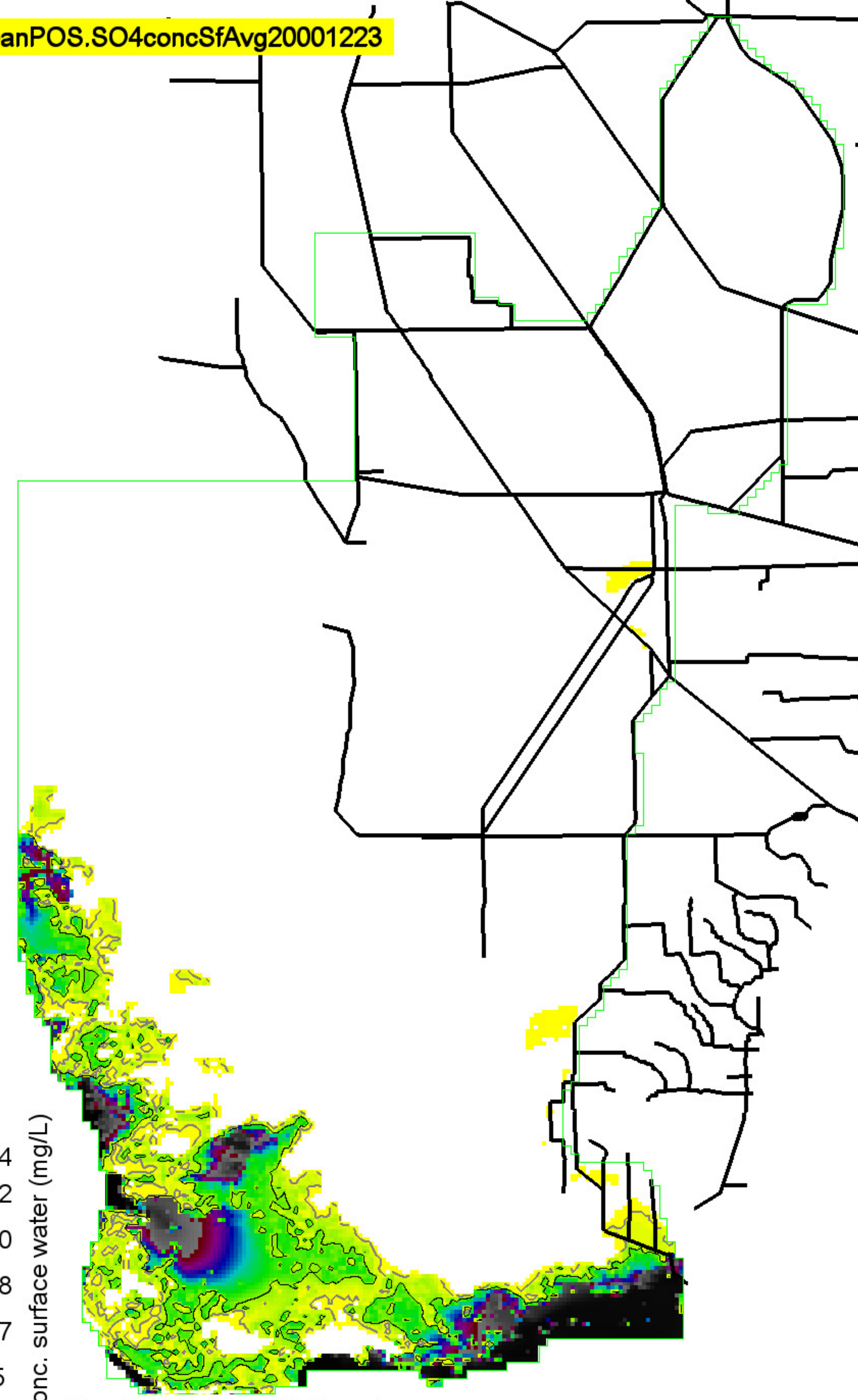
Grey, black isolines at 2, 10 mg/L  
 479025 ha of landscape is  $\geq 2$  md/L  
 160475 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

Black isolines at +/- 5 mg/L  
 138775 ha of landscape differs by  $\leq -5$  md/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L

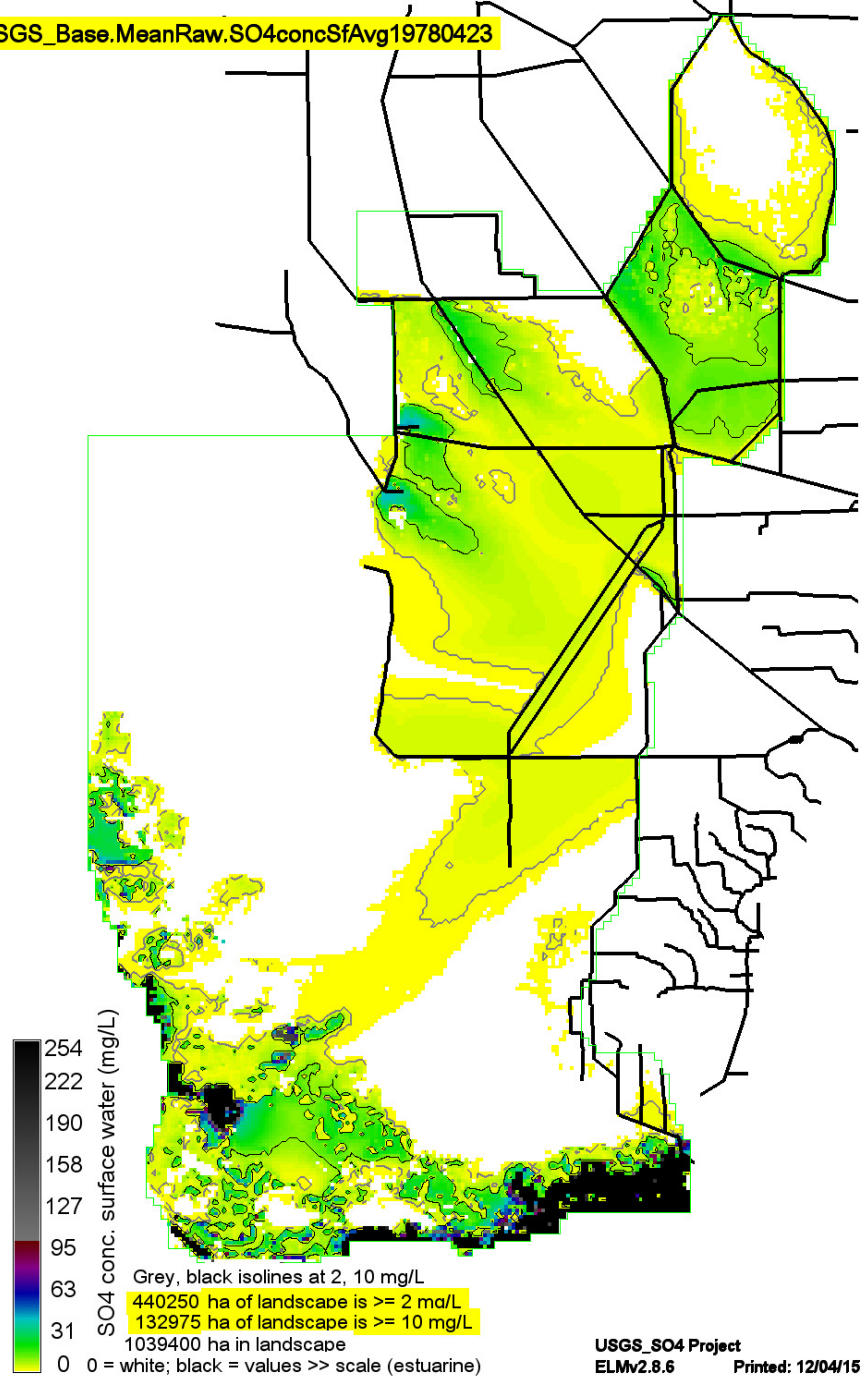


SO4 conc. surface water (mg/L)

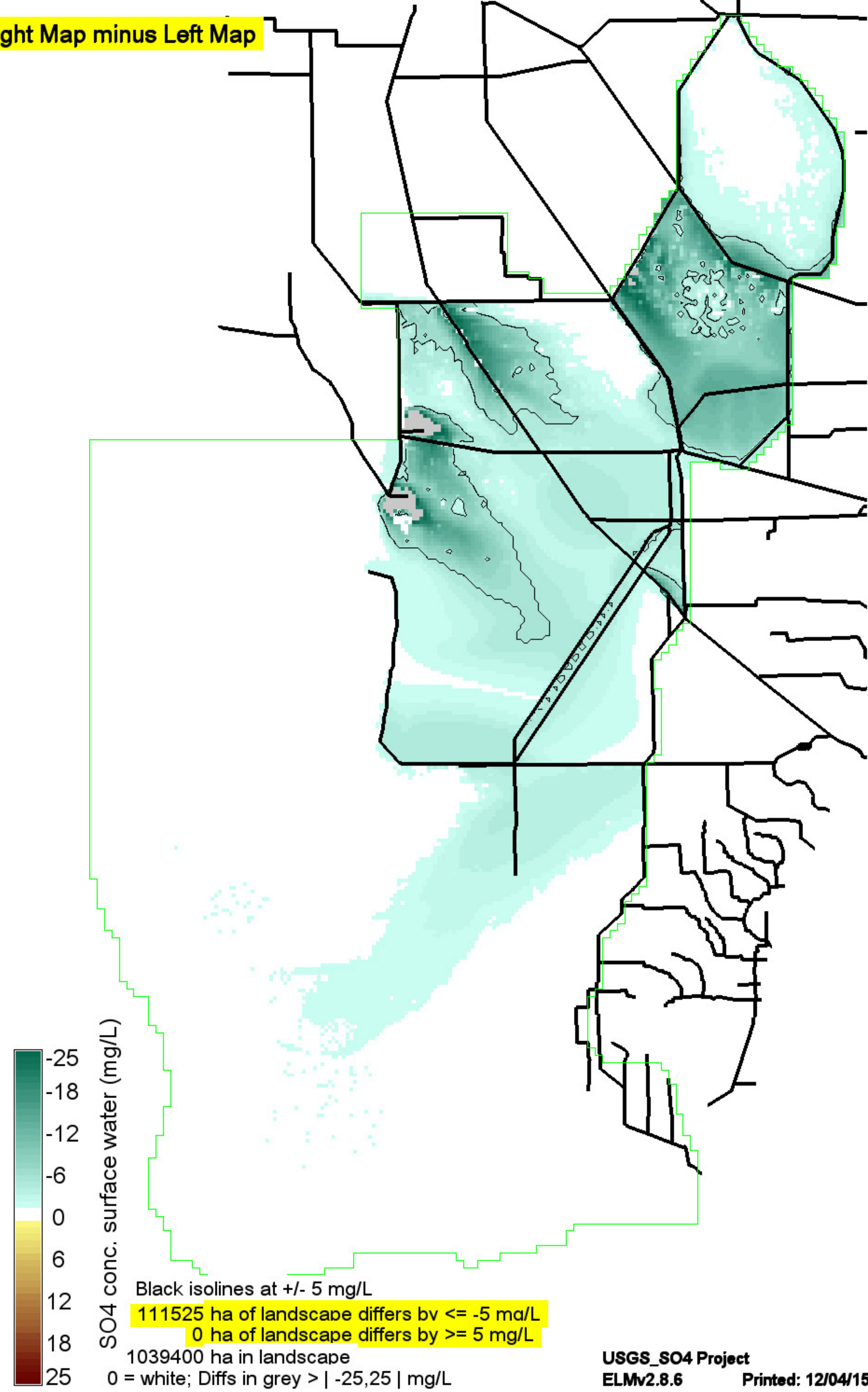
254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 164350 ha of landscape is  $\geq 2$  md/L  
 97625 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)

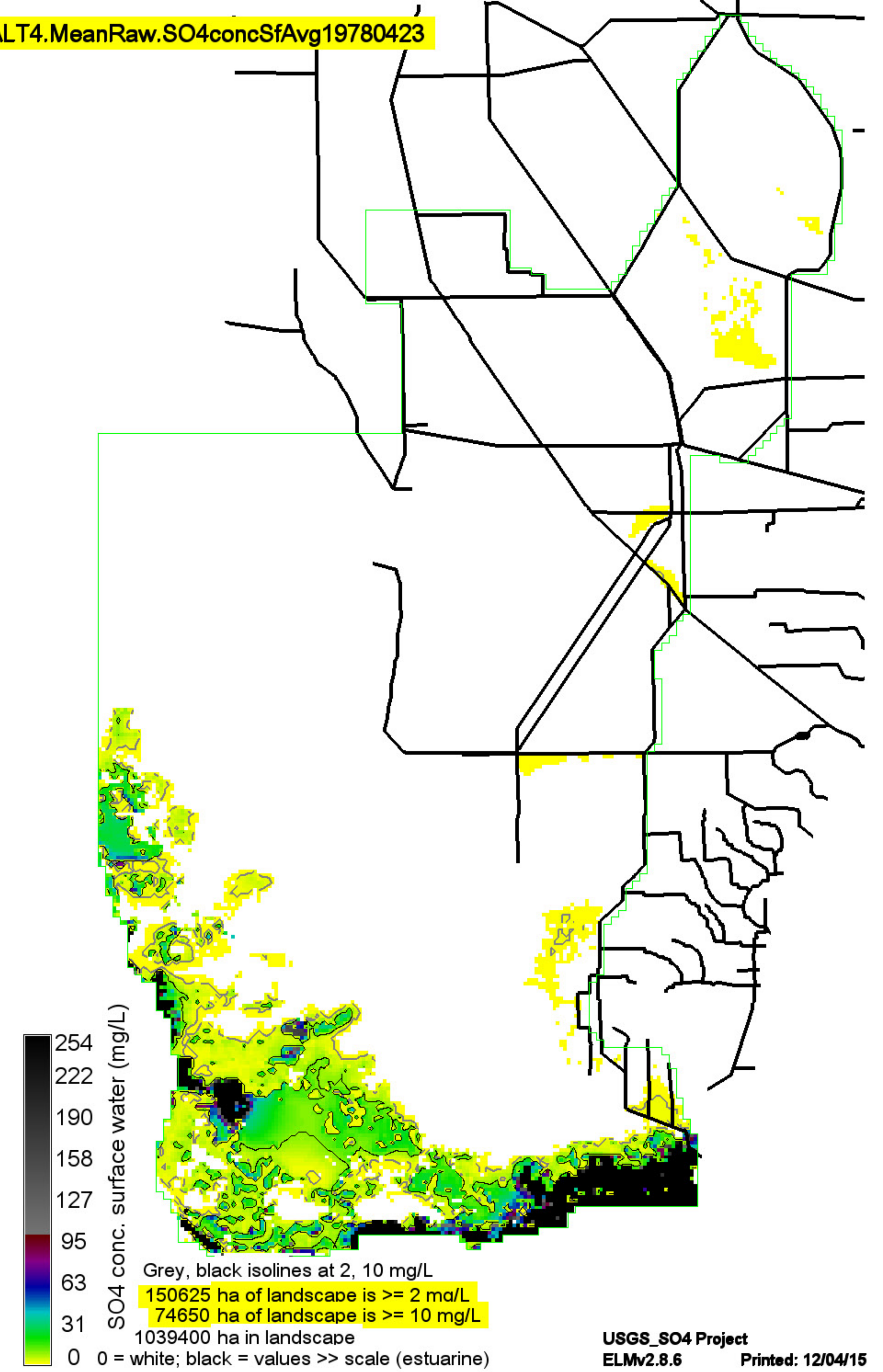
USGS\_Base.MeanRaw.SO4concSfAvg19780423

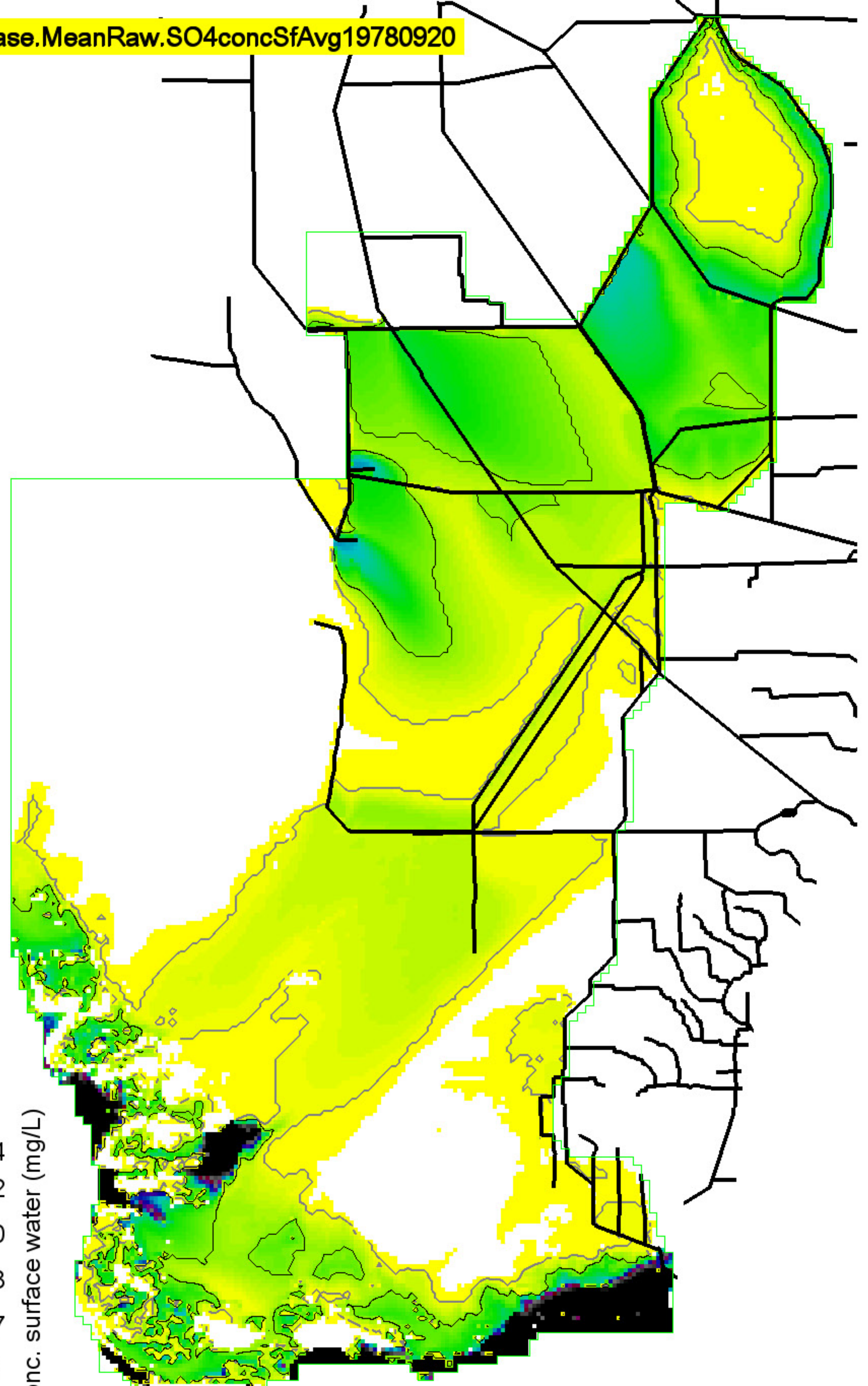


Right Map minus Left Map



ALT4.MeanRaw.SO4concSfAvg19780423

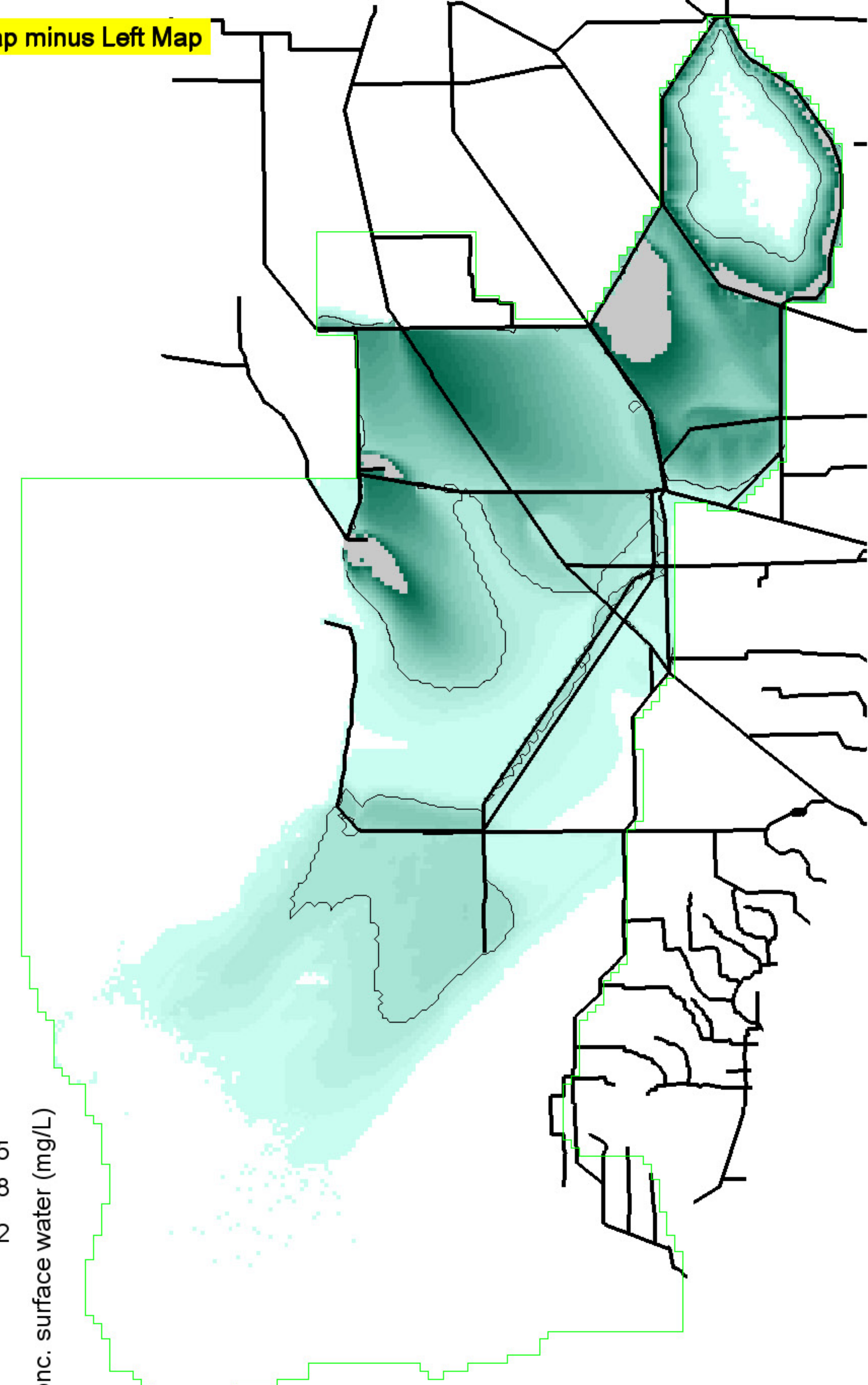




SO4 conc. surface water (mg/L)

254  
222  
190  
158  
127  
95  
63  
31  
0

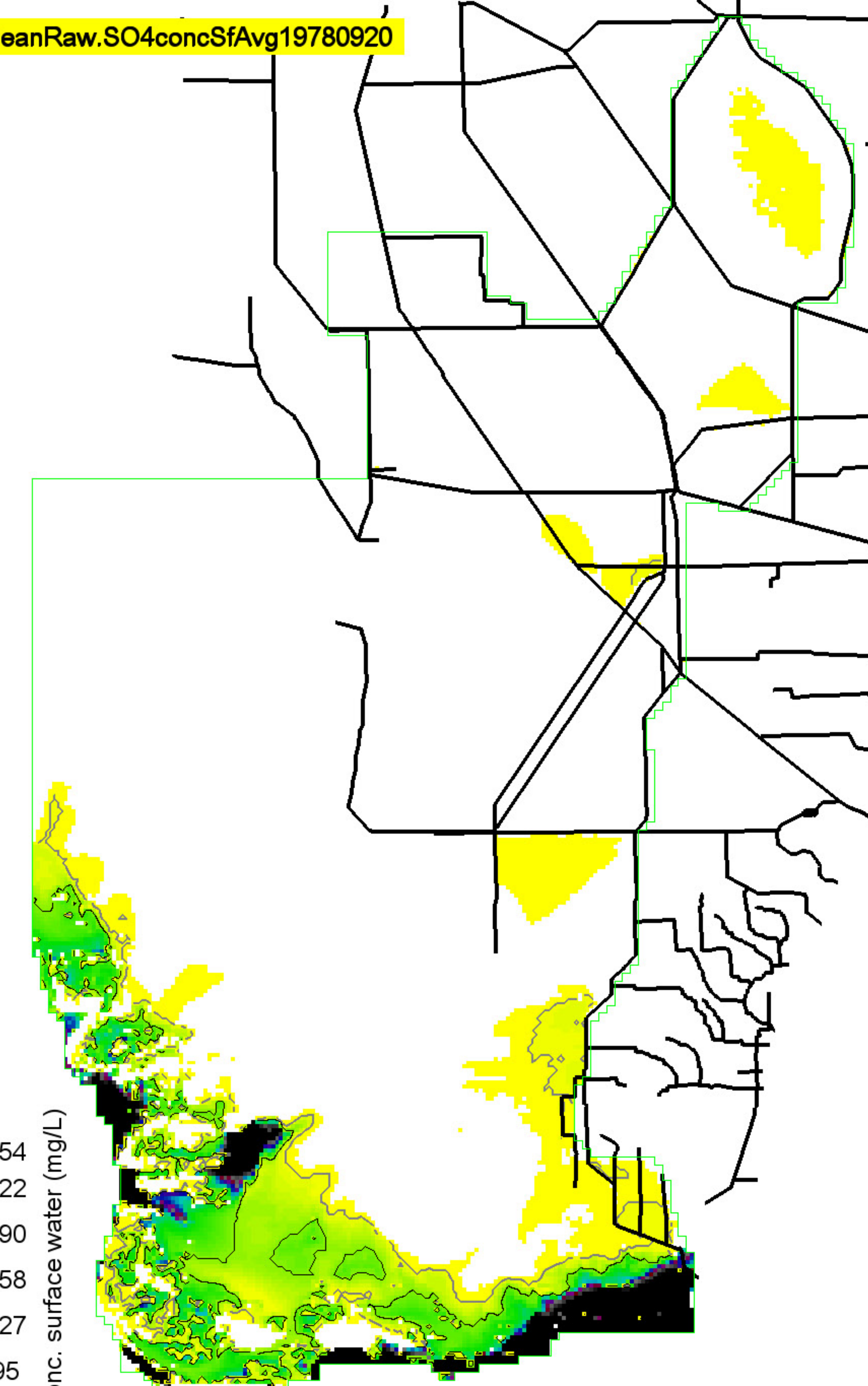
Grey, black isolines at 2, 10 mg/L  
 560650 ha of landscape is >= 2 mg/L  
 228025 ha of landscape is >= 10 mg/L  
 1039400 ha in landscape  
 0 = white; black = values >> scale (estuarine)



SO4 conc. surface water (mg/L)

-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

Black isolines at +/- 5 mg/L  
 265800 ha of landscape differs by <= -5 mg/L  
 0 ha of landscape differs by >= 5 mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey > | -25,25 | mg/L

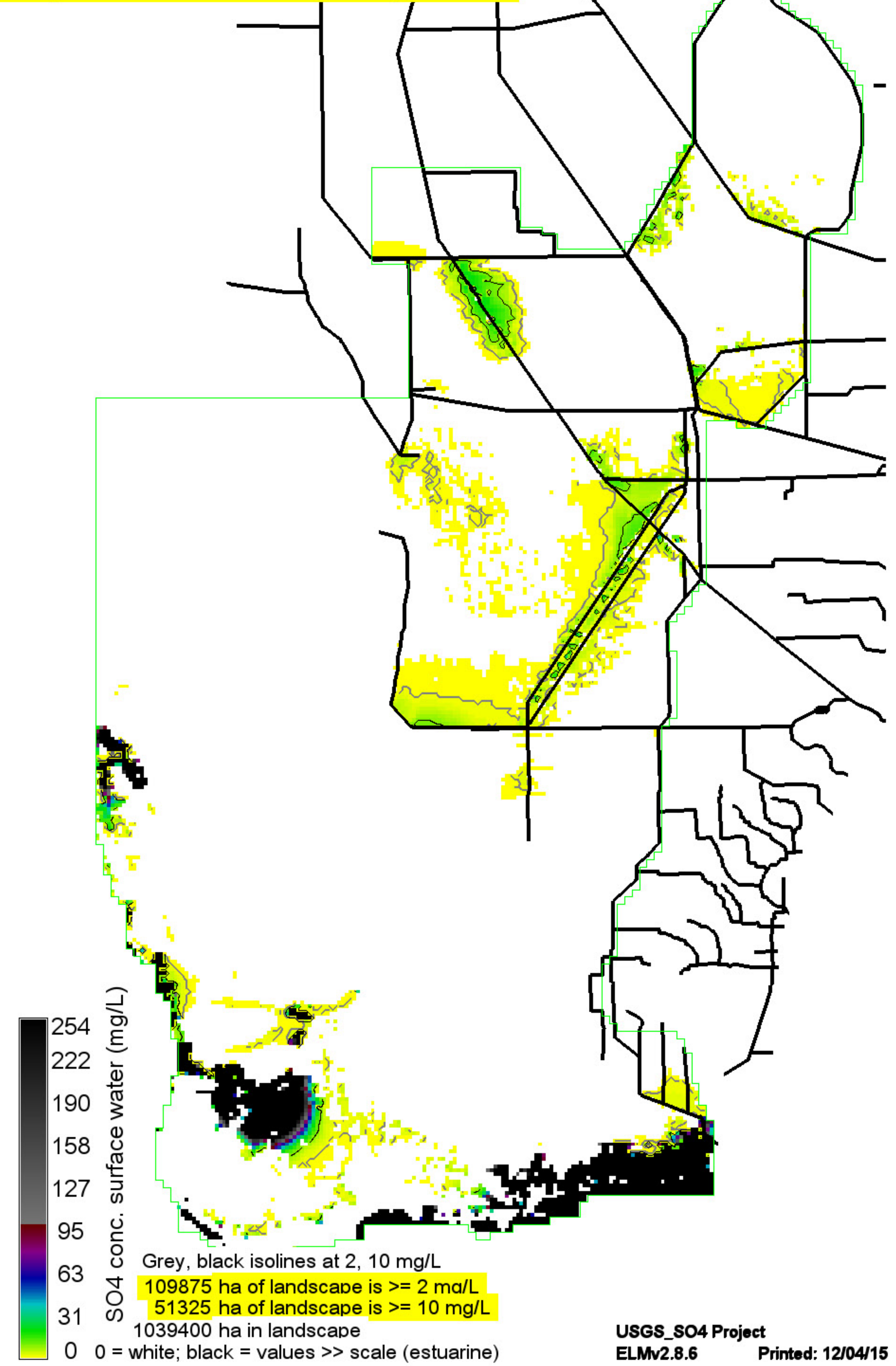


SO4 conc. surface water (mg/L)

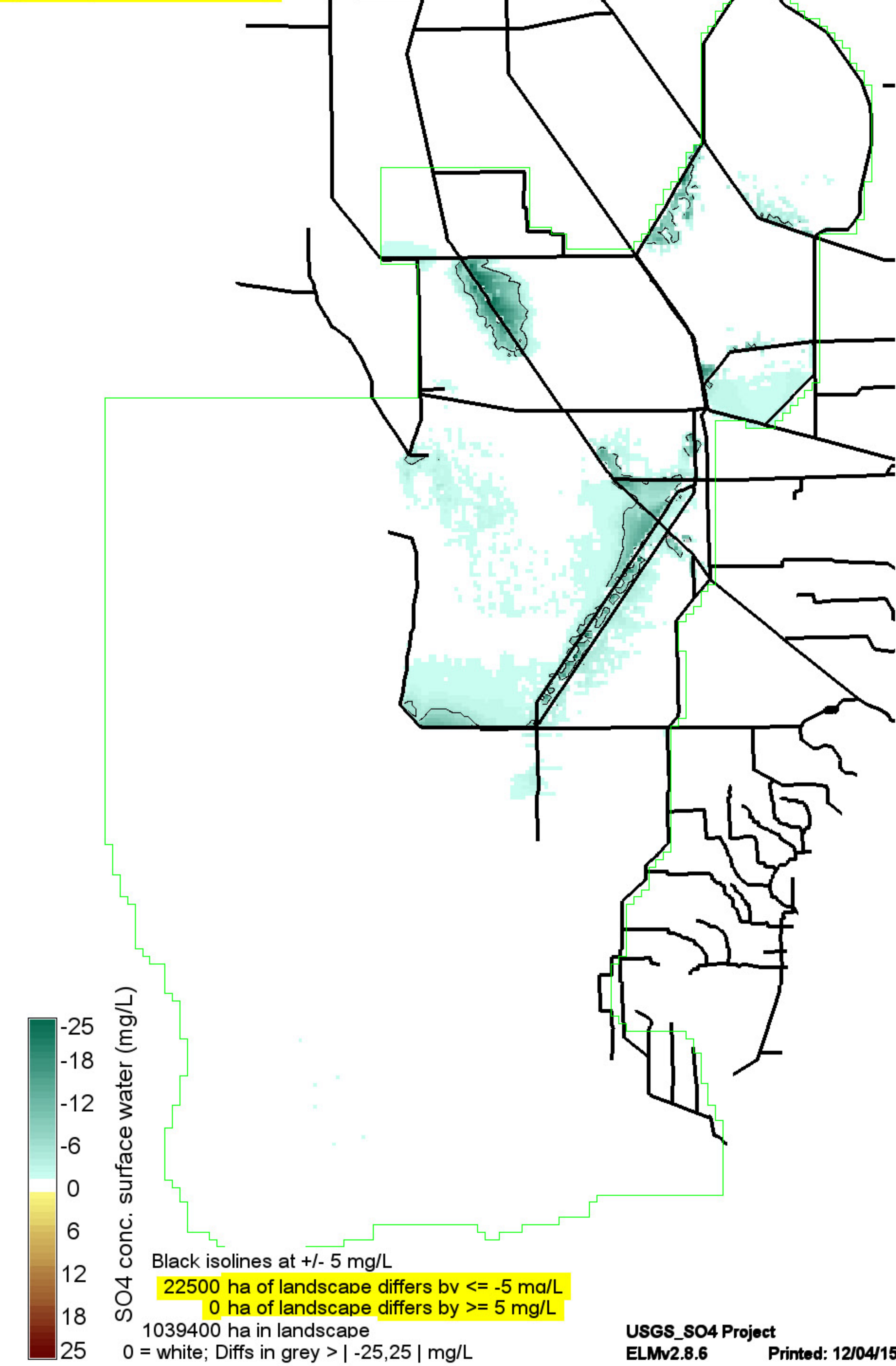
254  
222  
190  
158  
127  
95  
63  
31  
0

Grey, black isolines at 2, 10 mg/L  
 163350 ha of landscape is >= 2 mg/L  
 86900 ha of landscape is >= 10 mg/L  
 1039400 ha in landscape  
 0 = white; black = values >> scale (estuarine)

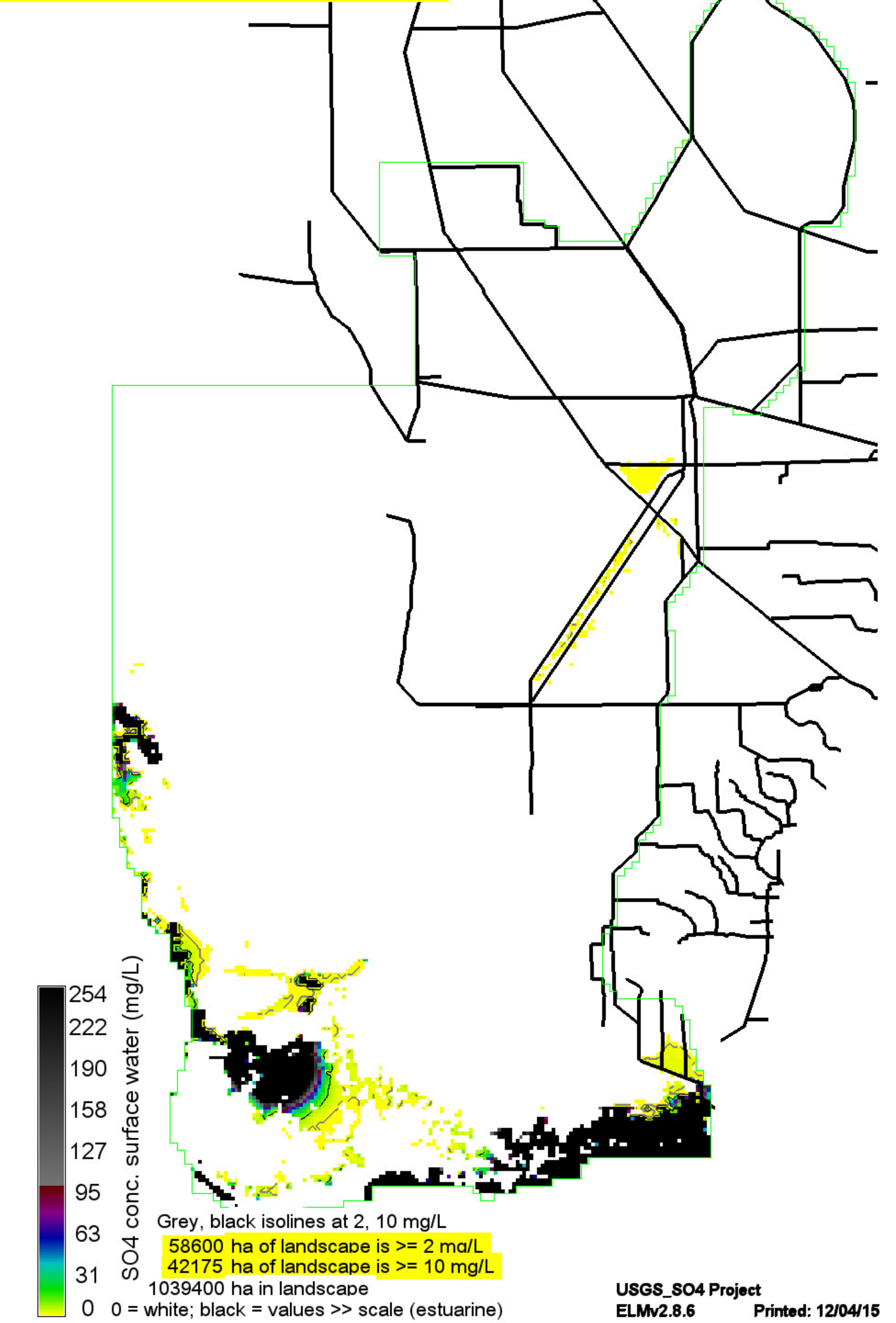
USGS\_Base.MeanRaw.SO4concSfAvg19890425

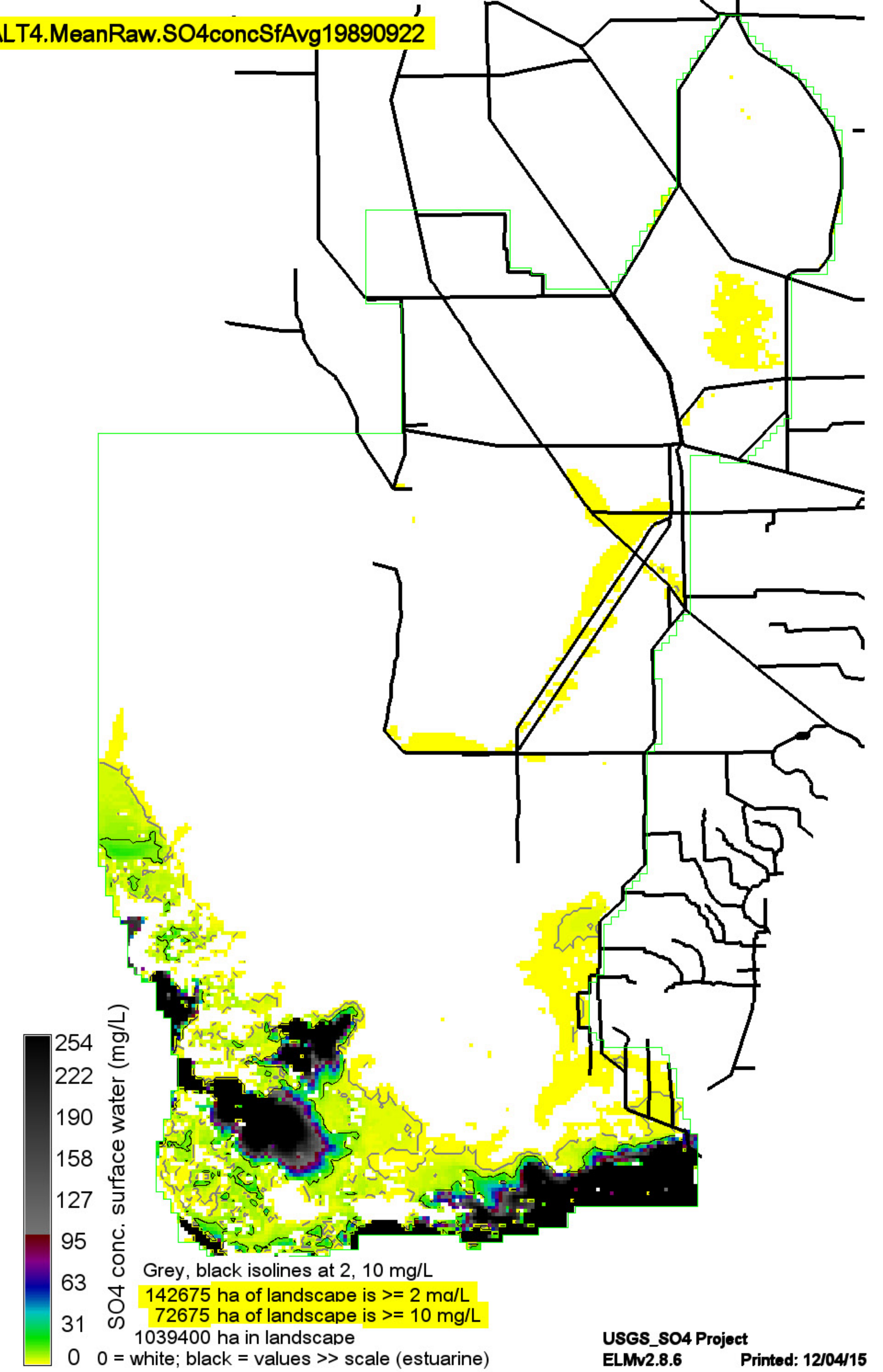
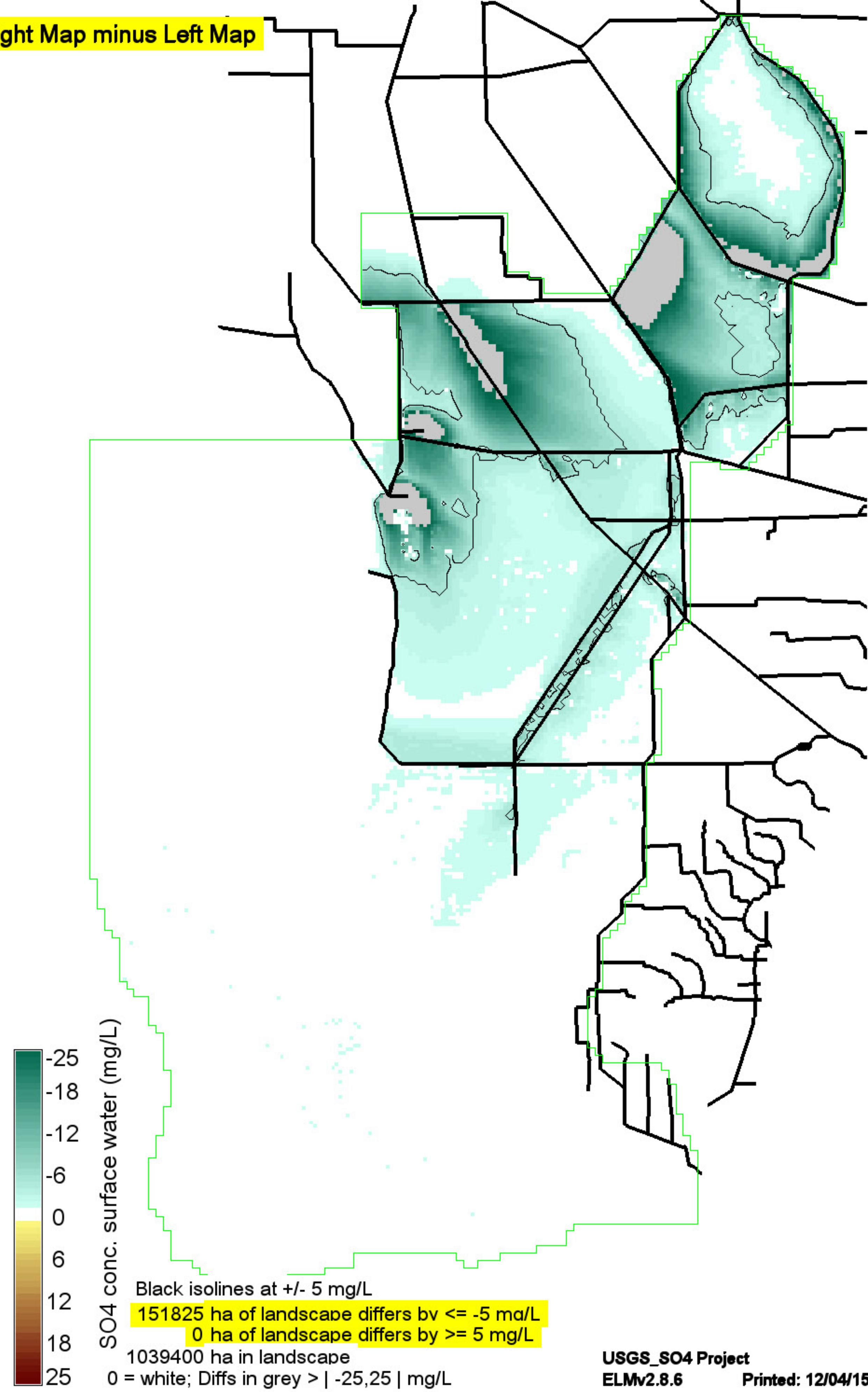
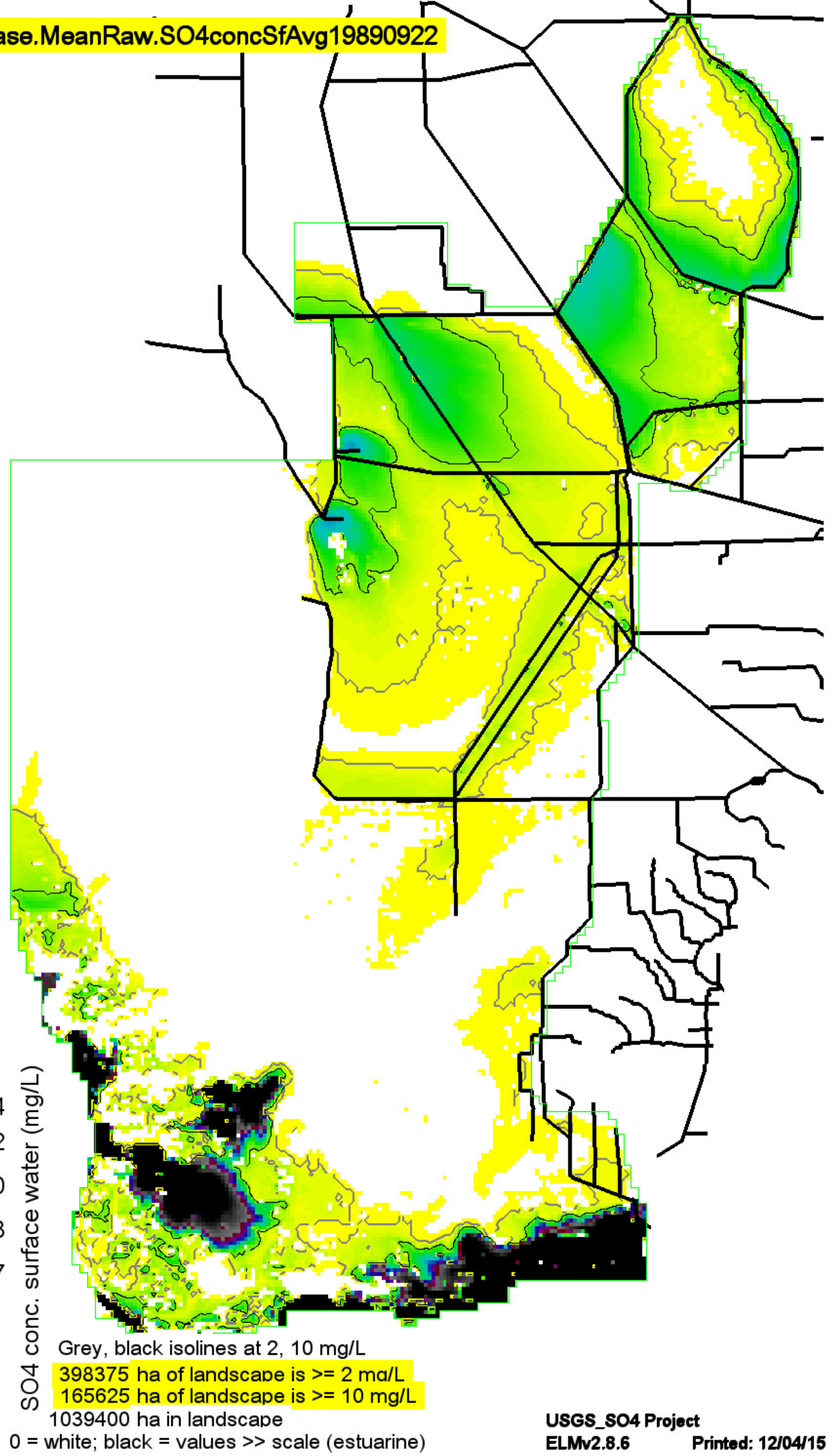


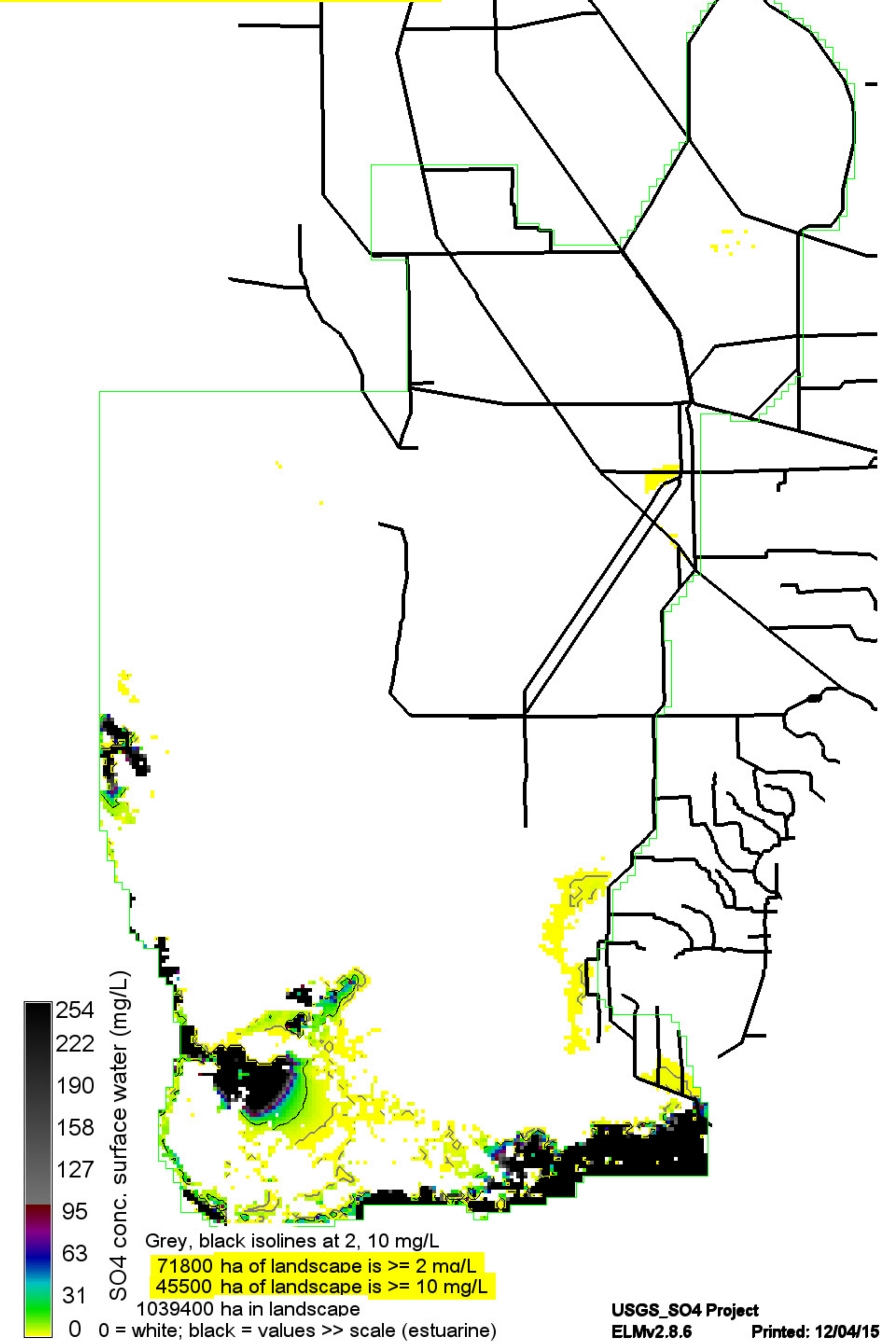
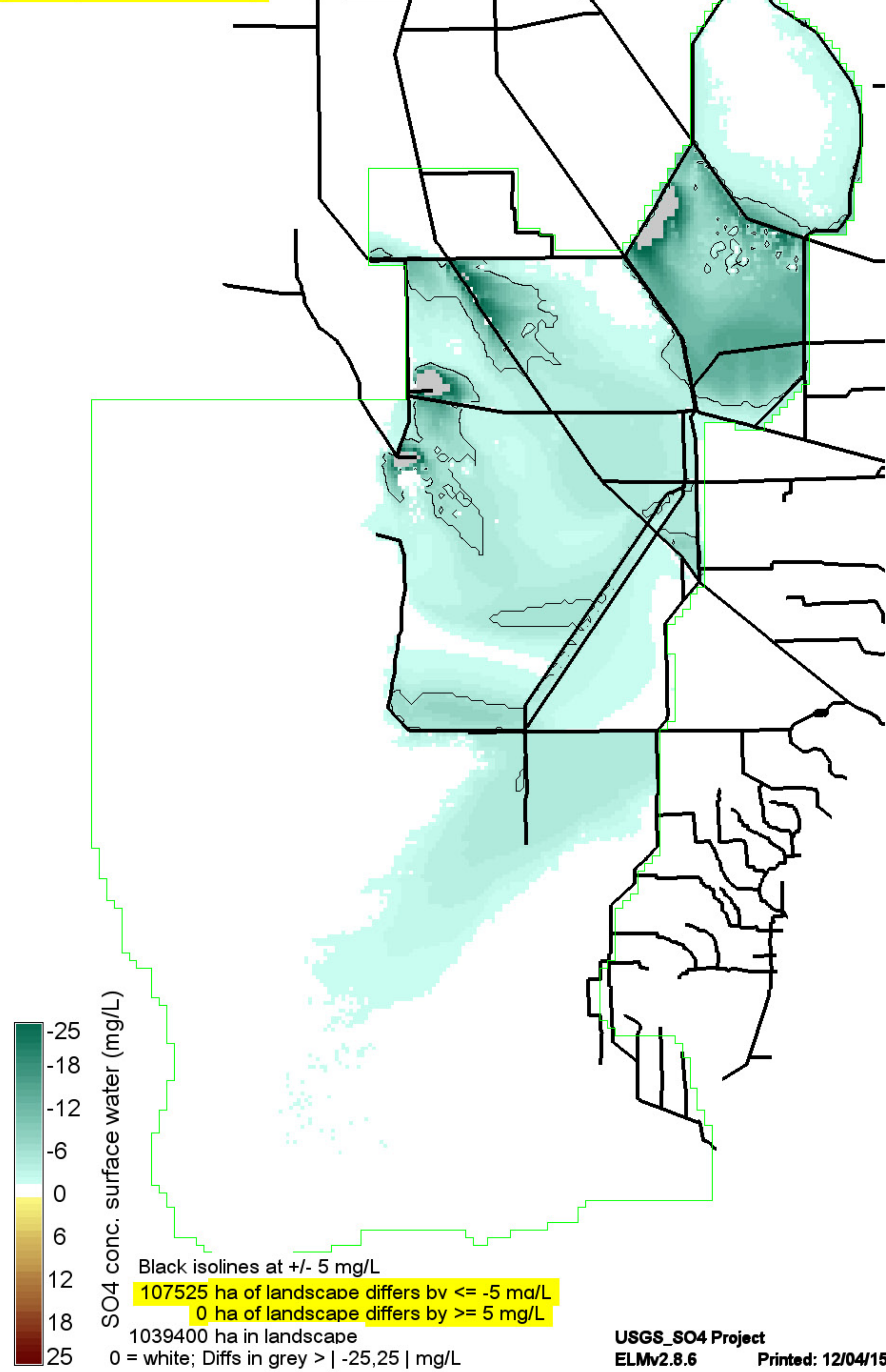
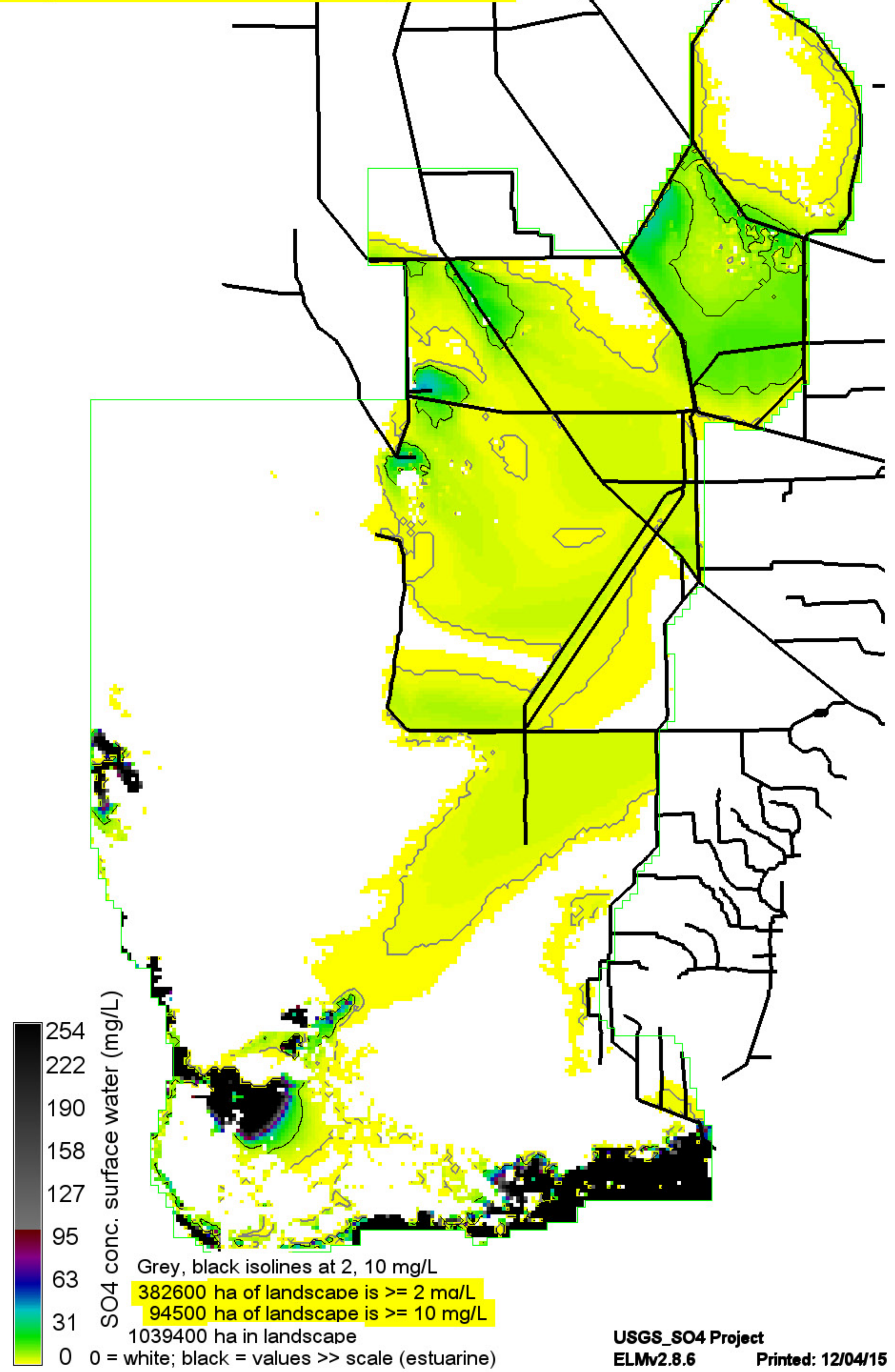
Right Map minus Left Map

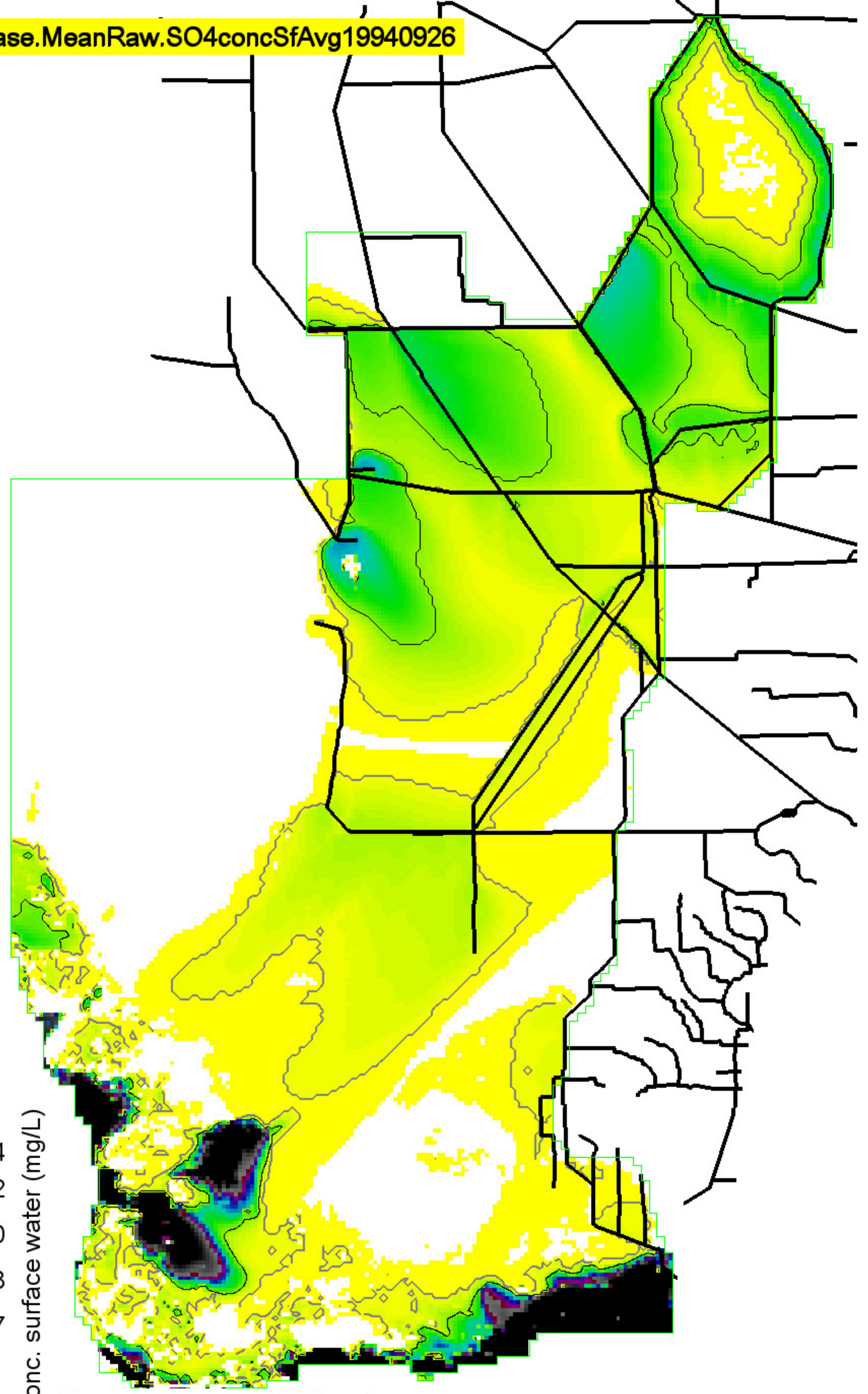


ALT4.MeanRaw.SO4concSfAvg19890425





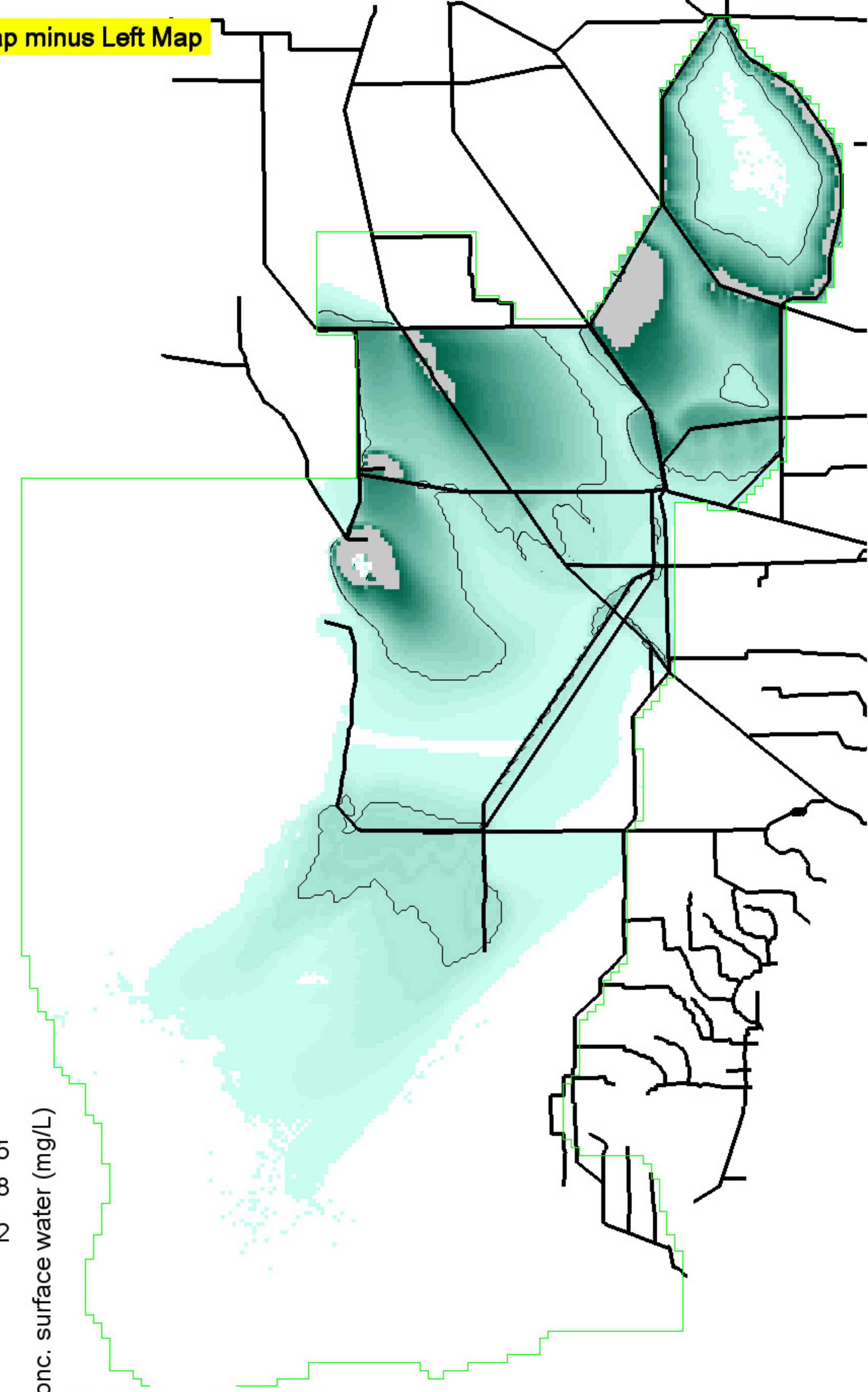




254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

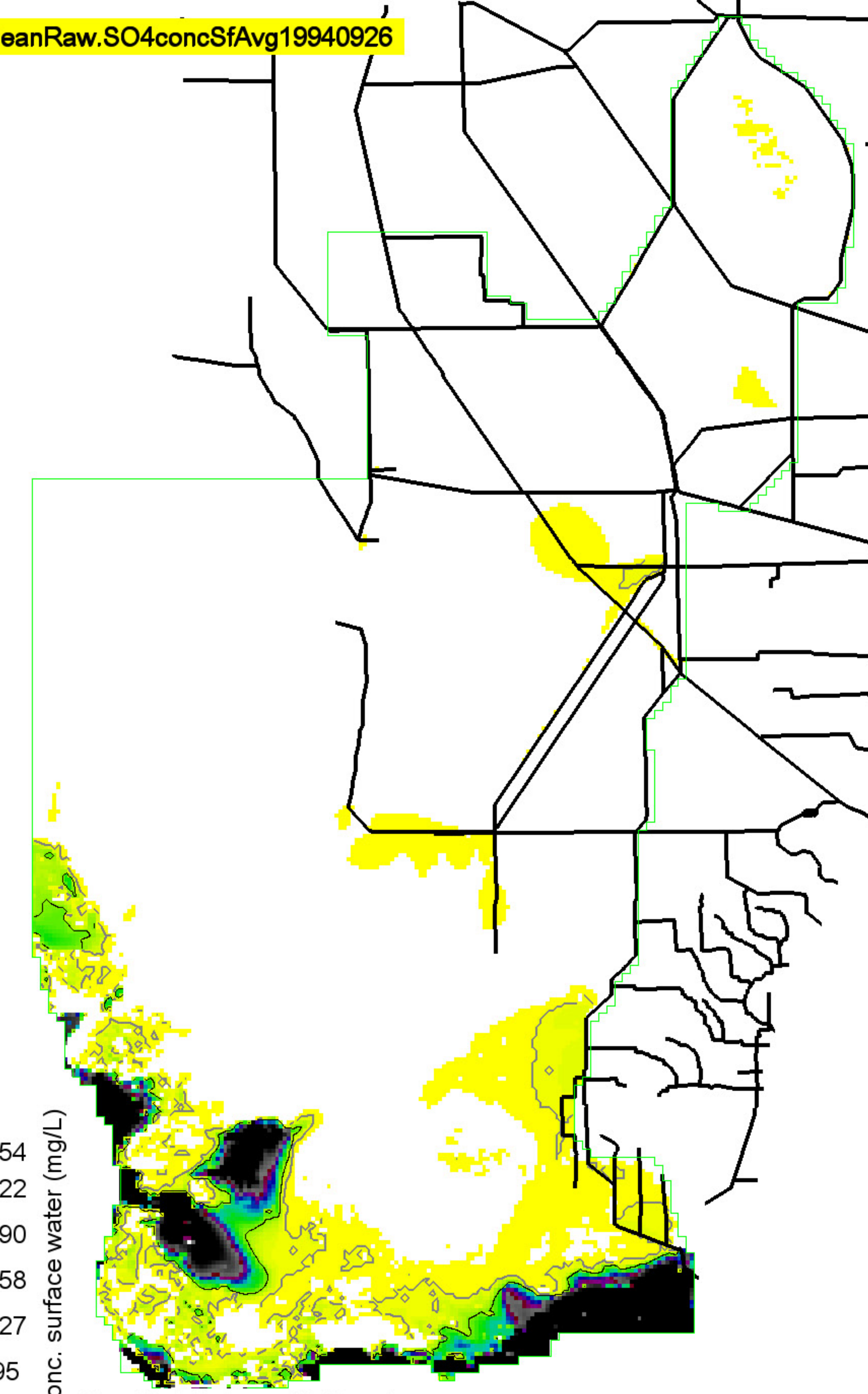
Grey, black isolines at 2, 10 mg/L  
 503525 ha of landscape is  $\geq 2$  mg/L  
 179850 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)



-25  
-18  
-12  
-6  
0  
6  
12  
18  
25

SO4 conc. surface water (mg/L)

Black isolines at +/- 5 mg/L  
 219575 ha of landscape differs by  $\leq -5$  mg/L  
 0 ha of landscape differs by  $\geq 5$  mg/L  
 1039400 ha in landscape  
 0 = white; Diffs in grey  $> | -25, 25 |$  mg/L



254  
222  
190  
158  
127  
95  
63  
31  
0

SO4 conc. surface water (mg/L)

Grey, black isolines at 2, 10 mg/L  
 131300 ha of landscape is  $\geq 2$  mg/L  
 65900 ha of landscape is  $\geq 10$  mg/L  
 1039400 ha in landscape  
 0 = white; black = values  $\gg$  scale (estuarine)