

SIM-F-5

**Calculated Water Quality Distribution (Annual Mean)
(Reduction Rate of Inflow Load : Main Rivers -20 %, Others -20 %)**

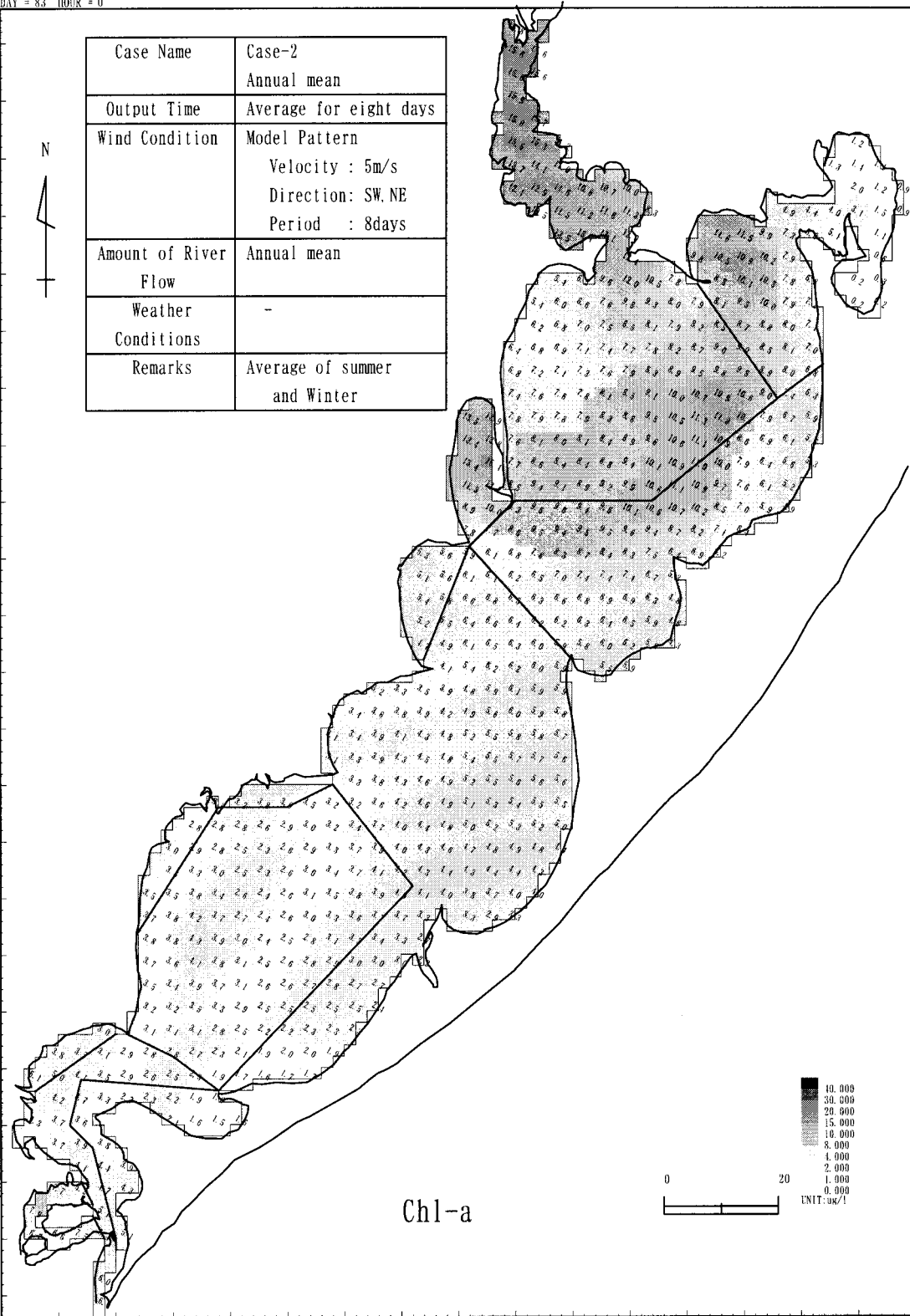
- 1 : Calculated Chl-a Distribution**
- 2 : Calculated T-N Distribution**
- 3 : Calculated T-P Distribution**
- 4 : Calculated BOD Distribution**
- 5 : Calculated COD**
- 6 : Calculated SS**

DAY = 83 HOUR = 0

115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5



Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW,NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and Winter



40.000
30.000
20.000
15.000
10.000
8.000
4.000
2.000
1.000
0.000
UNIT: ug/l



Chl-a

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THE STUDY ON THE ENVIRONMENTAL MANAGEMENT
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IN THE FEDERATIVE REPUBLIC OF BRAZIL

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INTERNATIONAL

SIM-F-5-1

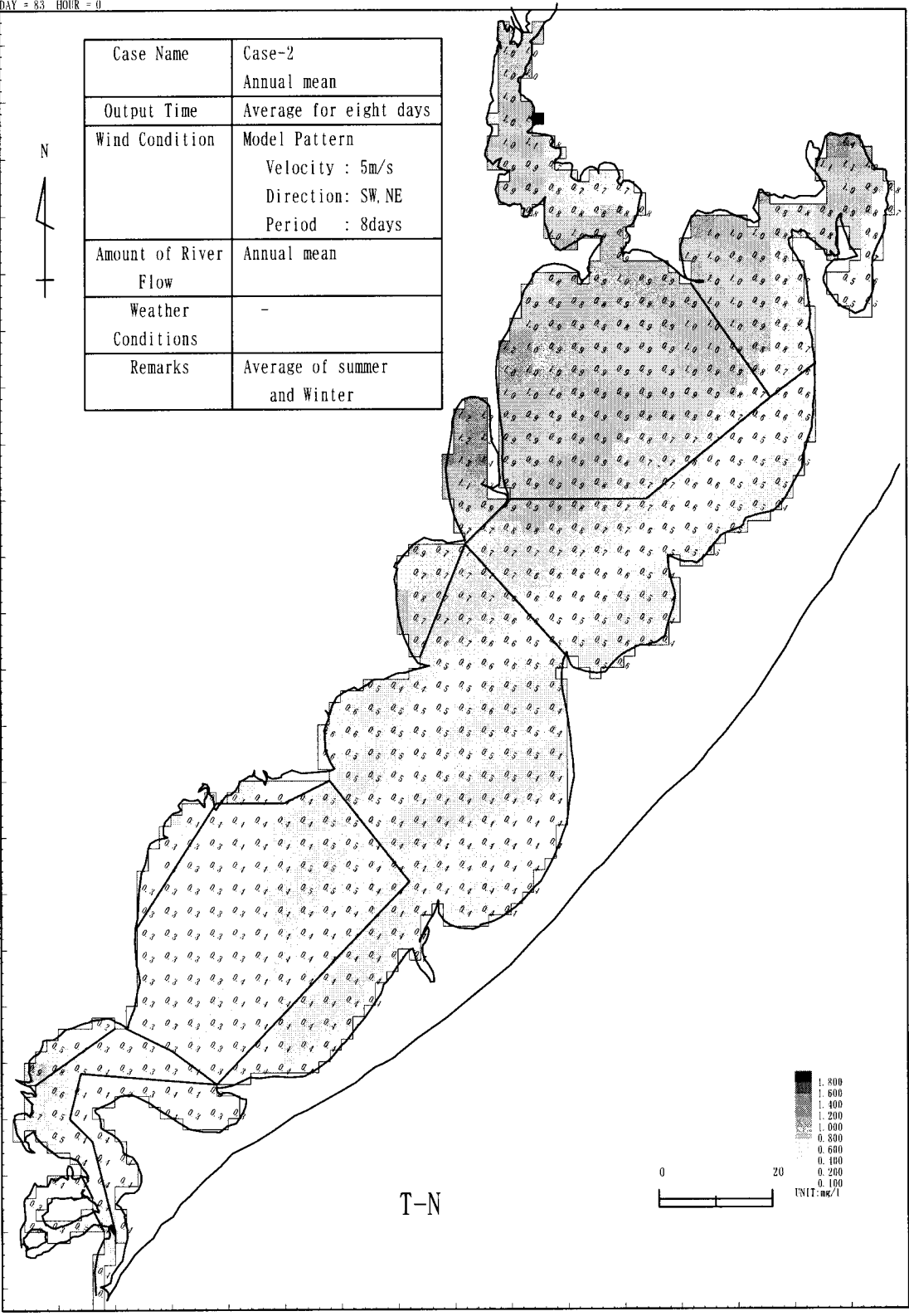
Calculated Chl-a
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%,others -20%)

DAY = 83 HOUR = 0

115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5



Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW, NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and Winter



1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.100
TNT: mg/l

0 20

T-N

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THE STUDY ON THE ENVIRONMENTAL MANAGEMENT
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SIM-F-5-2

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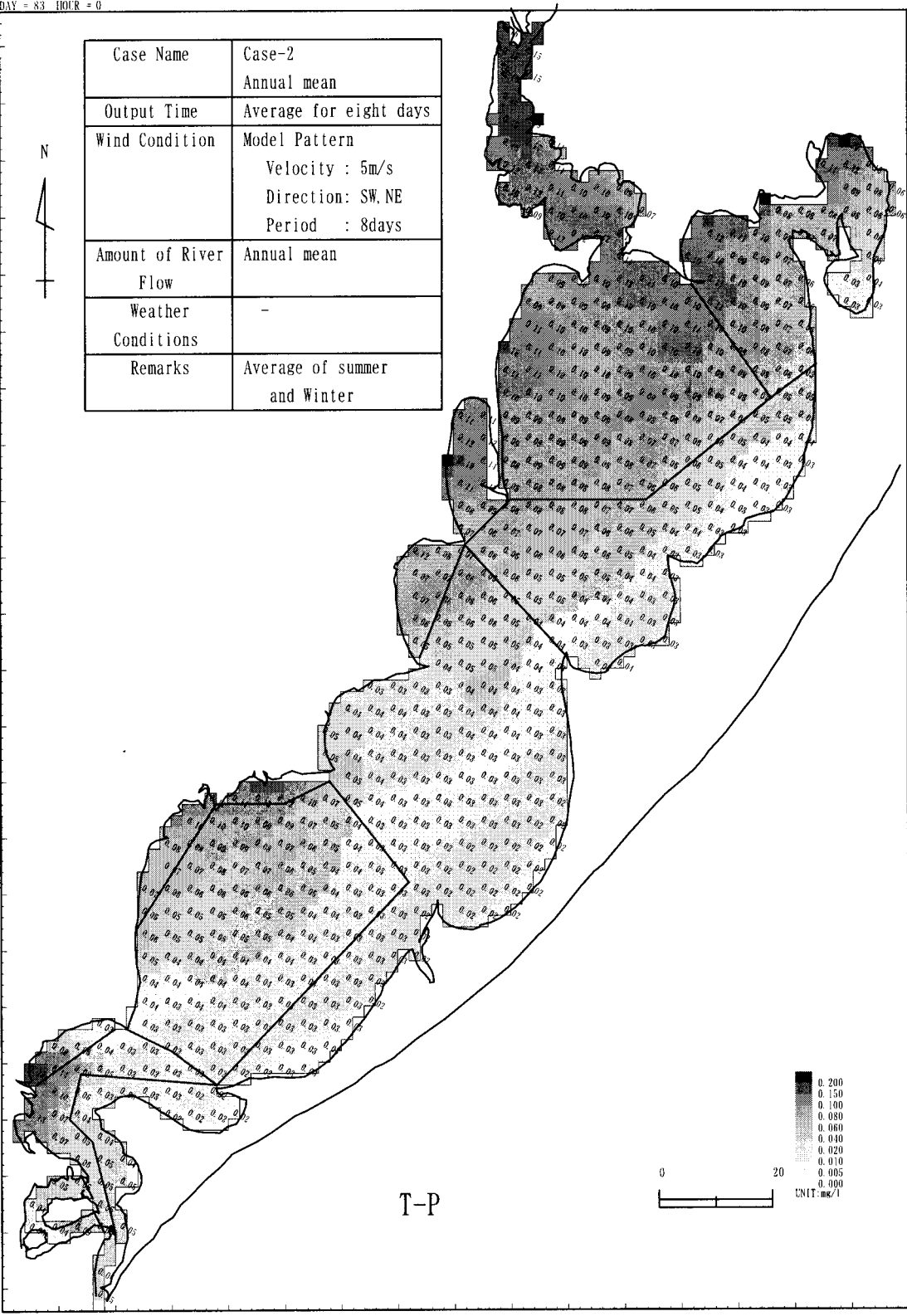
**Calculated T-N
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%, others -20%)**

DAY = 83 HOUR = 0

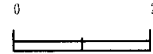
115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5



Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW, NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and winter



0.200
0.150
0.100
0.080
0.060
0.040
0.020
0.010
0.005
0.000
UNIT:mg/l



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SIM-F-5-3

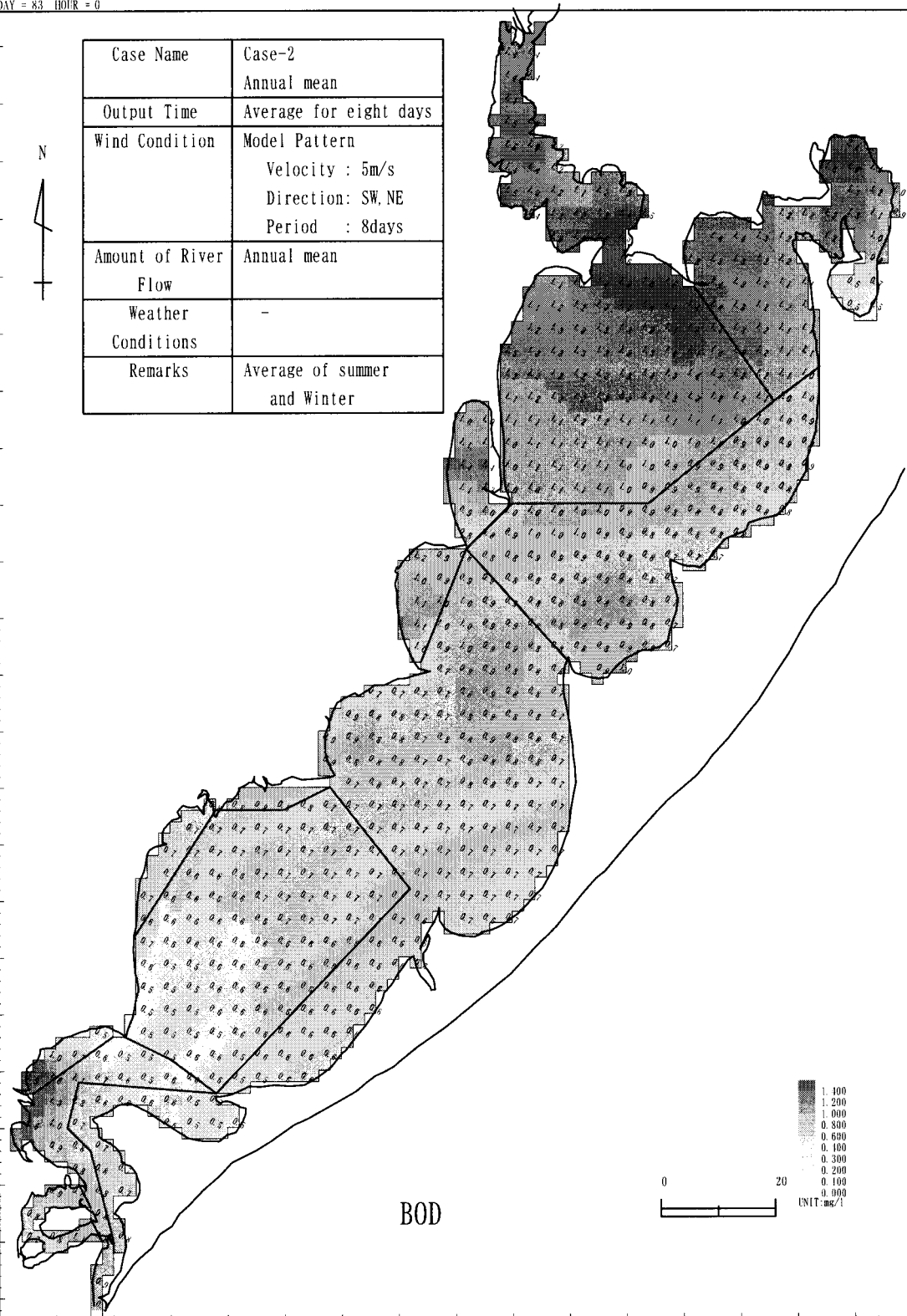
**Calculated T-P
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%, others -20%)**

DAY = 83 HOUR = 0

115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5



Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW, NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and Winter



1.100
1.200
1.000
0.800
0.600
0.400
0.300
0.200
0.100
0.000
UNIT:mg/l

0 20

D:\Ga002_bod.t.s. Pbd

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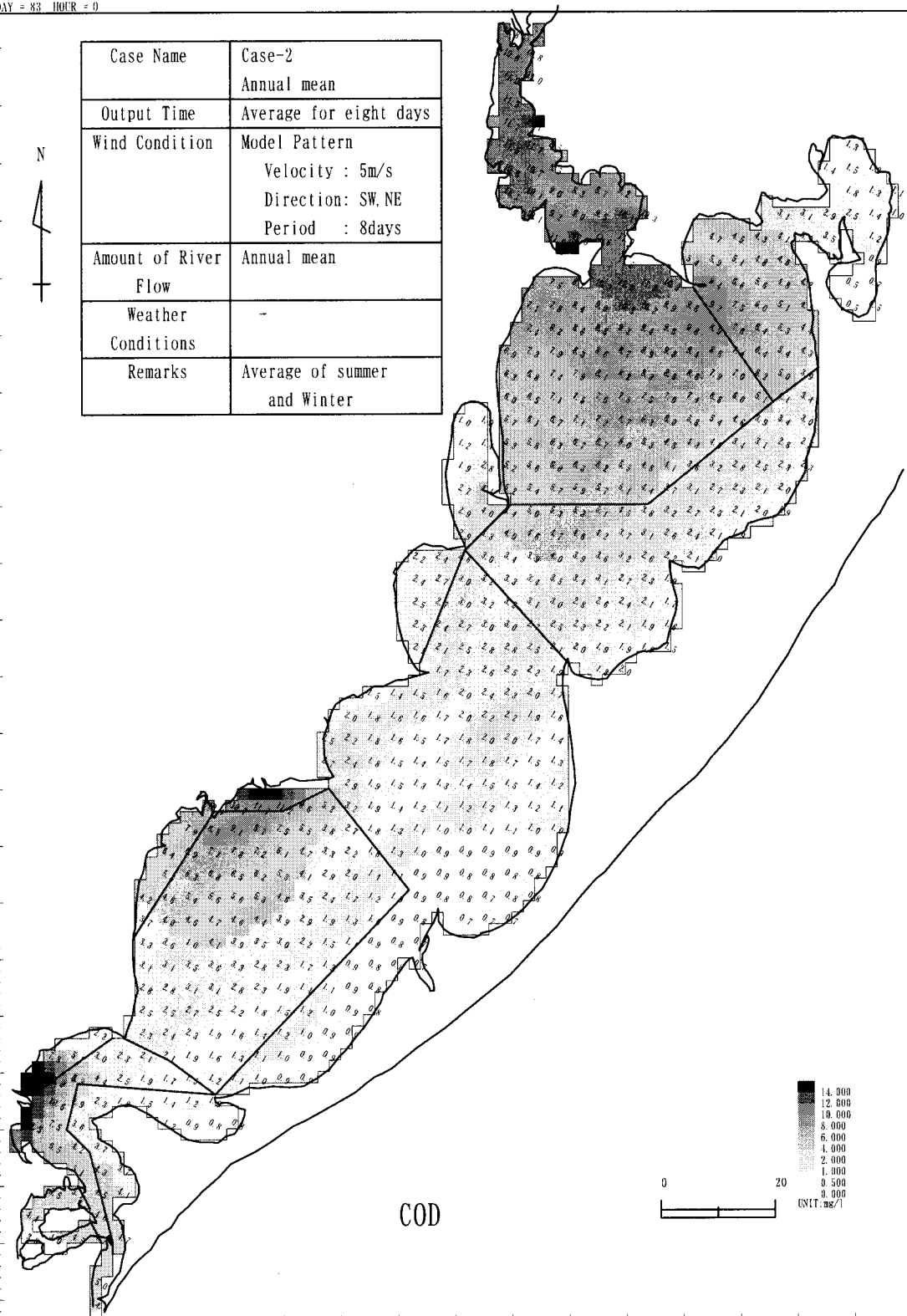
SIM-F-5-4

**Calculated BOD
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%, others -20%)**

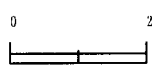
DAY = 83 HOUR = 0

115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5

Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW, NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and Winter



14.000
12.000
10.000
8.000
6.000
4.000
2.000
1.000
0.500
0.000
UNIT: mg/l



COD

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 DIGA002_codss. Ped

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SIM-F-5-5

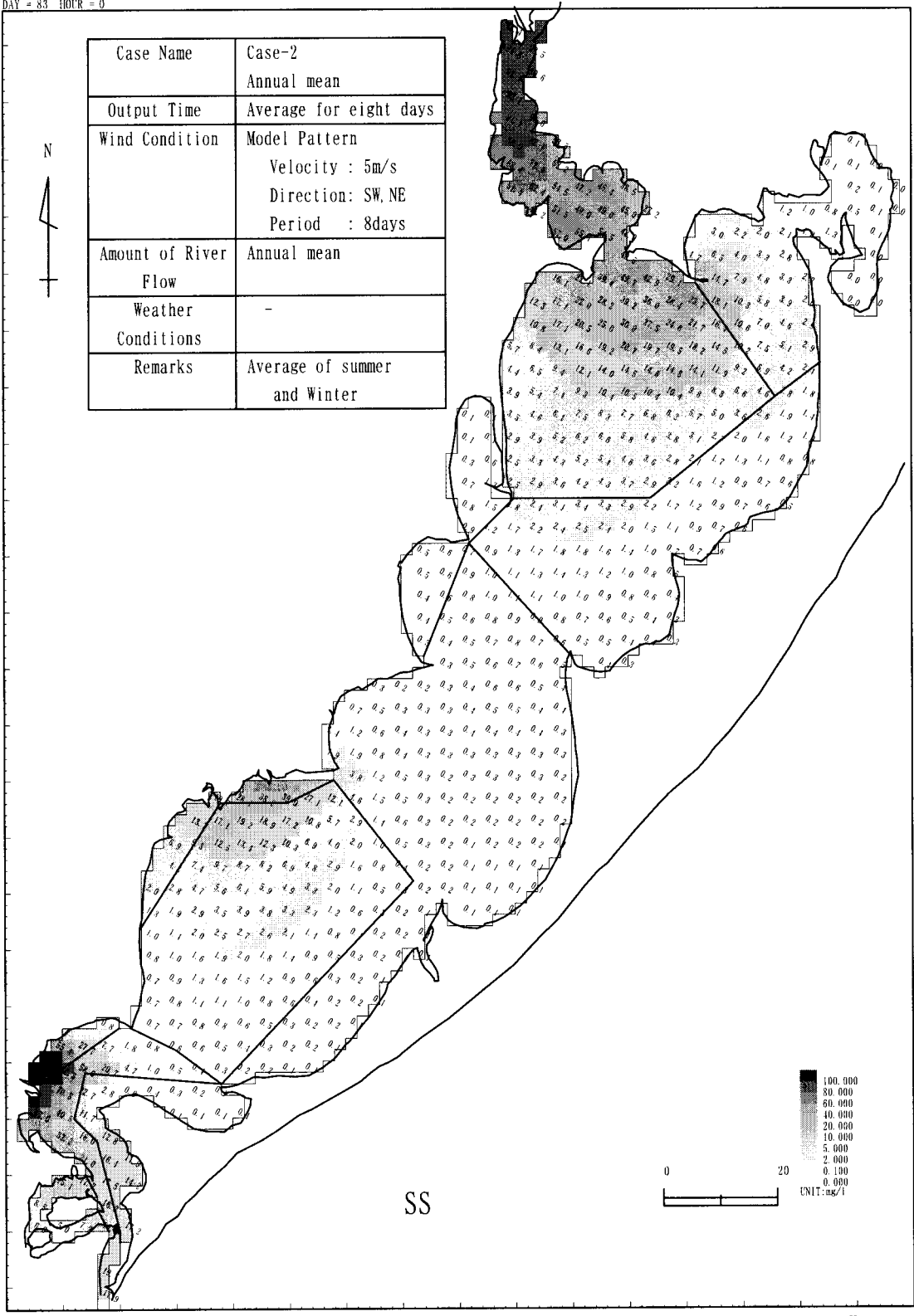
Calculated COD
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%, others -20%)

DAY = 83 HOUR = 0

115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5



Case Name	Case-2 Annual mean
Output Time	Average for eight days
Wind Condition	Model Pattern Velocity : 5m/s Direction: SW, NE Period : 8days
Amount of River Flow	Annual mean
Weather Conditions	-
Remarks	Average of summer and Winter



100.000
80.000
60.000
40.000
20.000
10.000
5.000
2.000
0.100
0.000
UNIT:mg/l

0 20

SS

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 DIGA002_bodts. Pss

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SIM-F-5-6

Calculated SS
Distribution (Annual Mean)
(Reduction Rate of Inflow Load:
Main Rivers -20%, others -20%)