A
B
C
D
E
F
G
H
I
J
K
t = 0
t = 500
t = 1000
t = 1500
t = 2000
t = 2500
t = 3000
time (yrs)
0
500
1000
1500
2000
2500
3000
theoretical marsh area (km²)
20
30
40
50
UVVR (-)
0
0.4
0.8
1.2
tidal range (m) at x=10 km
0.2
0.4
elevation (m RSL)
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
y = 4 km
tidal range (m)
0.5
0.4
0.3
0.2
0.1
0
t=0
t=1000
t=2000
t=3000
distance (x) from seaward boundary (km)
0
2
4
6
8
10
12
14
16