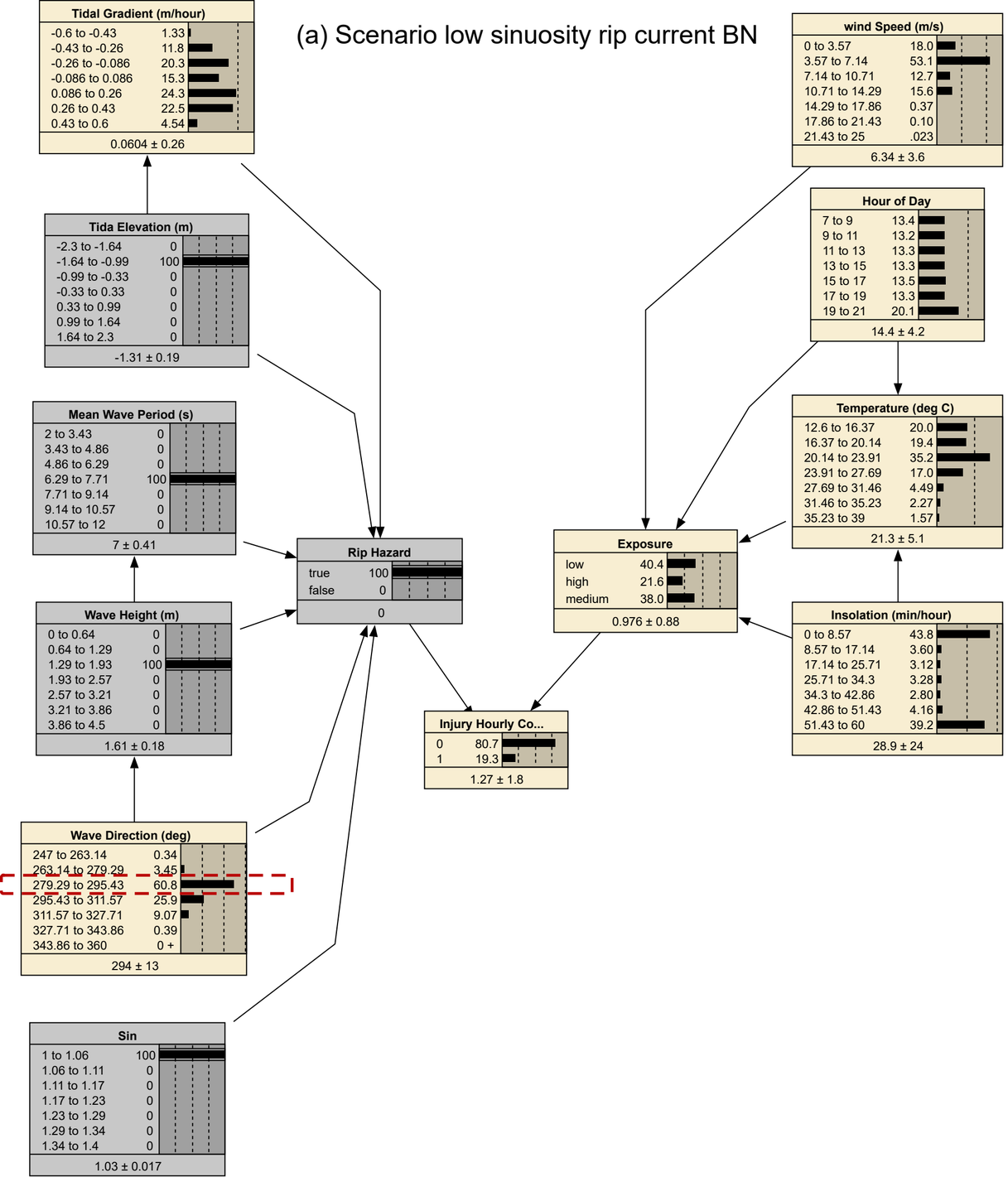
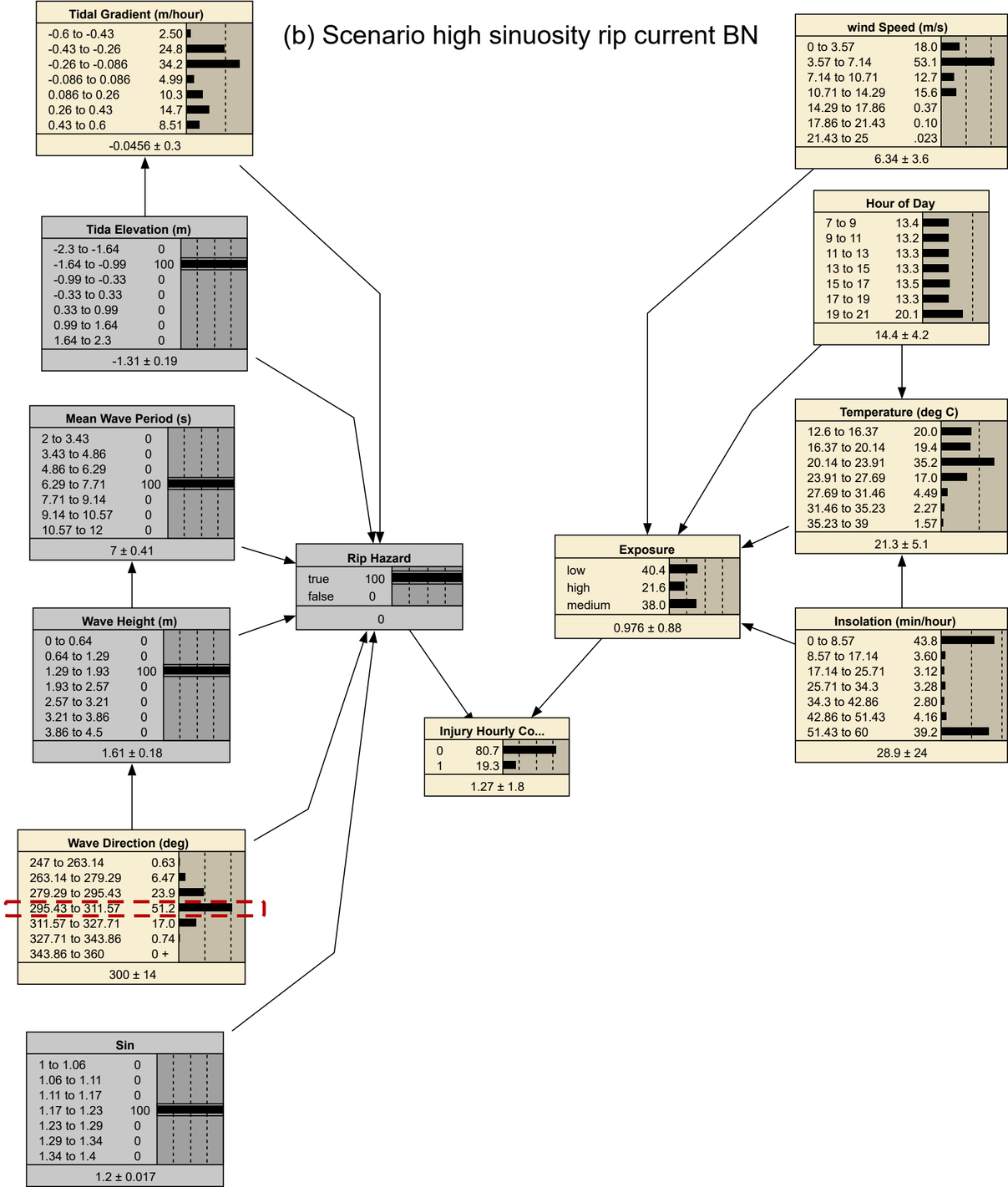

(a) Scenario low sinuosity rip current BN
Tidal Gradient (m/hour)
-0.6 to -0.43 1.33
-0.43 to -0.26 11.8
-0.26 to -0.086 20.3
-0.086 to 0.086 15.3
0.086 to 0.26 24.3
0.26 to 0.43 22.5
0.43 to 0.6 4.54
0.0604 ± 0.26
wind Speed (m/s)
0 to 3.57 18.0
3.57 to 7.14 53.1
7.14 to 10.71 12.7
10.71 to 14.29 15.6
14.29 to 17.86 0.37
17.86 to 21.43 0.10
21.43 to 25 .023
6.34 ± 3.6
Tida Elevation (m)
-2.3 to -1.64 0
-1.64 to -0.99 100
-0.99 to -0.33 0
-0.33 to 0.33 0
0.33 to 0.99 0
0.99 to 1.64 0
1.64 to 2.3 0
-1.31 ± 0.19
Hour of Day
7 to 9 13.4
9 to 11 13.2
11 to 13 13.3
13 to 15 13.3
15 to 17 13.5
17 to 19 13.3
19 to 21 20.1
14.4 ± 4.2
Mean Wave Period (s)
2 to 3.43 0
3.43 to 4.86 0
4.86 to 6.29 0
6.29 to 7.71 100
7.71 to 9.14 0
9.14 to 10.57 0
10.57 to 12 0
7 ± 0.41
Temperature (deg C)
12.6 to 16.37 20.0
16.37 to 20.14 19.4
20.14 to 23.91 35.2
23.91 to 27.69 17.0
27.69 to 31.46 4.49
31.46 to 35.23 2.27
35.23 to 39 1.57
21.3 ± 5.1
Rip Hazard
true 100
false 0
0
Exposure
low 40.4
high 21.6
medium 38.0
0.976 ± 0.88
Wave Height (m)
0 to 0.64 0
0.64 to 1.29 0
1.29 to 1.93 100
1.93 to 2.57 0
2.57 to 3.21 0
3.21 to 3.86 0
3.86 to 4.5 0
1.61 ± 0.18
Insolation (min/hour)
0 to 8.57 43.8
8.57 to 17.14 3.60
17.14 to 25.71 3.12
25.71 to 34.3 3.28
34.3 to 42.86 2.80
42.86 to 51.43 4.16
51.43 to 60 39.2
28.9 ± 24
Injury Hourly Co...
0 80.7
1 19.3
1.27 ± 1.8
Wave Direction (deg)
247 to 263.14 0.34
263.14 to 279.29 3.45
279.29 to 295.43 60.8
295.43 to 311.57 25.9
311.57 to 327.71 9.07
327.71 to 343.86 0.39
343.86 to 360 0 +
294 ± 13
Sin
1 to 1.06 100
1.06 to 1.11 0
1.11 to 1.17 0
1.17 to 1.23 0
1.23 to 1.29 0
1.29 to 1.34 0
1.34 to 1.4 0
1.03 ± 0.017


(b) Scenario high sinuosity rip current BN
Tidal Gradient (m/hour)
-0.6 to -0.43 2.50
-0.43 to -0.26 24.8
-0.26 to -0.086 34.2
-0.086 to 0.086 4.99
0.086 to 0.26 10.3
0.26 to 0.43 14.7
0.43 to 0.6 8.51
-0.0456 ± 0.3
wind Speed (m/s)
0 to 3.57 18.0
3.57 to 7.14 53.1
7.14 to 10.71 12.7
10.71 to 14.29 15.6
14.29 to 17.86 0.37
17.86 to 21.43 0.10
21.43 to 25 .023
6.34 ± 3.6
Tida Elevation (m)
-2.3 to -1.64 0
-1.64 to -0.99 100
-0.99 to -0.33 0
-0.33 to 0.33 0
0.33 to 0.99 0
0.99 to 1.64 0
1.64 to 2.3 0
-1.31 ± 0.19
Hour of Day
7 to 9 13.4
9 to 11 13.2
11 to 13 13.3
13 to 15 13.3
15 to 17 13.5
17 to 19 13.3
19 to 21 20.1
14.4 ± 4.2
Mean Wave Period (s)
2 to 3.43 0
3.43 to 4.86 0
4.86 to 6.29 0
6.29 to 7.71 100
7.71 to 9.14 0
9.14 to 10.57 0
10.57 to 12 0
7 ± 0.41
Temperature (deg C)
12.6 to 16.37 20.0
16.37 to 20.14 19.4
20.14 to 23.91 35.2
23.91 to 27.69 17.0
27.69 to 31.46 4.49
31.46 to 35.23 2.27
35.23 to 39 1.57
21.3 ± 5.1
Rip Hazard
true 100
false 0
0
Exposure
low 40.4
high 21.6
medium 38.0
0.976 ± 0.88
Wave Height (m)
0 to 0.64 0
0.64 to 1.29 0
1.29 to 1.93 100
1.93 to 2.57 0
2.57 to 3.21 0
3.21 to 3.86 0
3.86 to 4.5 0
1.61 ± 0.18
Insolation (min/hour)
0 to 8.57 43.8
8.57 to 17.14 3.60
17.14 to 25.71 3.12
25.71 to 34.3 3.28
34.3 to 42.86 2.80
42.86 to 51.43 4.16
51.43 to 60 39.2
28.9 ± 24
Injury Hourly Co...
0 80.7
1 19.3
1.27 ± 1.8
Wave Direction (deg)
247 to 263.14 0.63
263.14 to 279.29 6.47
279.29 to 295.43 23.9
295.43 to 311.57 51.2
311.57 to 327.71 17.0
327.71 to 343.86 0.74
343.86 to 360 0 +
300 ± 14
Sin
1 to 1.06 0
1.06 to 1.11 0
1.11 to 1.17 0
1.17 to 1.23 100
1.23 to 1.29 0
1.29 to 1.34 0
1.34 to 1.4 0
1.2 ± 0.017