Appendix D

The velocity comparison results (for vertically averaged velocities) are shown in the following figures. The station locations are shown in Figure 2-2-3. Table D-1 below provides descriptions for each of the scenarios having results shown in this appendix.

Table D-1. Descriptions of Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (S00)</td>
<td>Current condition without project</td>
</tr>
<tr>
<td>S01</td>
<td>Simulation of large-barrier configuration with all designed gates open (a total of 19 gates)</td>
</tr>
<tr>
<td>S02</td>
<td>Simulation of small-barrier configuration with all designed gates open (a total of 5 gates)</td>
</tr>
<tr>
<td>S03</td>
<td>Simulation of large-barrier configuration with approximately half the gates closed (a total of 9 gates are closed)</td>
</tr>
<tr>
<td>S04</td>
<td>Simulation of small-barrier configuration with approximately half the gates closed (a total of 3 gates are closed)</td>
</tr>
<tr>
<td>Future Baseline (S05)</td>
<td>Future baseline condition without project with a sea-level rise of 1.0 m</td>
</tr>
<tr>
<td>S06</td>
<td>Future condition simulation of large-barrier configuration with all designed gates open (a total of 19 gates) with a sea-level rise of 1.0 m</td>
</tr>
<tr>
<td>S07</td>
<td>Future condition simulation of small-barrier configuration with all designed gates open (a total of 5 gates) with a sea-level rise of 1.0 m</td>
</tr>
<tr>
<td>S08</td>
<td>Future condition simulation of large-barrier configuration with approximately half the gates closed (a total of 9 gates are closed) with a sea-level rise of 1.0 m</td>
</tr>
<tr>
<td>S09</td>
<td>large-barrier, gate open</td>
</tr>
<tr>
<td>S10</td>
<td>large-barrier, gate closed during storm, open after storm</td>
</tr>
<tr>
<td>S11</td>
<td>small-barrier, gate open</td>
</tr>
<tr>
<td>S12</td>
<td>small-barrier, gate closed during storm, open after storm</td>
</tr>
</tbody>
</table>

Scenarios compared | Appendix Pages
--- | ----
Baseline versus S01 | D2-D7
Baseline versus S02 | D8-D13
Baseline versus S03 | D14-D19
Baseline versus S04 | D20-D25
Baseline versus S05 | D26-D31
S05 versus S06 | D32-D37
S05 versus S07 | D38-D43
S05 versus S08 | D44-D49
S09 versus S10 | D50-D55
S11 versus S12 | D56-D61
Baseline versus S01:
Baseline versus S02:
D9
Baseline versus S03:
D16
Baseline versus S04:
Baseline versus S05:
S05 versus S06:
S05 versus S07:
S05 versus S08:
S09 versus S10:
LFO3

Velocity (m/s)

Date

LFO4

Velocity (m/s)

Date

Mean Df= -0.09%

LFO4

Velocity Diff (m/s)

Date

Mean Df= -0.13%
S11 versus S12: