Appendix A.  Maps Showing Changes in Simulated Flood Inundation Between Model Scenarios and Original Model
Figure A1. Simulated flood inundation change for the remove-peninsula scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A2. Simulated flood inundation change for the remove-peninsula scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A3. Simulated flood inundation change for the remove-peninsula scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A4. Simulated flood inundation change for the remove-peninsula scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
EXPLANATION
Results of original model and increase-bridge-opening scenario

Area inundated by both the original model and increase-bridge-opening scenario

Area inundated by original model but not inundated with increase-bridge-opening scenario

Area not inundated by original model but is inundated with increase-bridge-opening scenario

Study area

USGS streamgage

Water-surface altitude at gage: 181.5 feet NAVD 88
Gage stage: 32 feet
Inflow: 61,100 cubic feet per second

Figure A5. Simulated flood inundation change for the increase-bridge-opening scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A6. Simulated flood inundation change for the increase-bridge-opening scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
**Figure A7.** Simulated flood inundation change for the increase-bridge-opening scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A8. Simulated flood inundation change for the increase-bridge-opening scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A9. Simulated flood inundation change for the east-culvert scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A10. Simulated flood inundation change for the east-culvert scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A11. Simulated flood inundation change for the east-culvert scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
**EXPLANATION**

Results of original model and east-culvert scenario

- **Yellow** Area inundated by both the original model and east-culvert scenario
- **Blue** Area inundated by original model but not inundated with east-culvert scenario
- **Purple** Area not inundated by original model but is inundated with east-culvert scenario

**Study area**

**USGS streamgage**

Water-surface altitude at gage: 192.5 feet NAVD 88
Gage stage: 43 feet
Inflow: 123,000 cubic feet per second

**Figure A12.** Simulated flood inundation change for the east-culvert scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A13. Simulated flood inundation change for the west-and-east-culvert scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A14. Simulated flood inundation change for the west-and-east-culvert scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A15. Simulated flood inundation change for the west-and-east-culvert scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A16. Simulated flood inundation change for the west-and-east-culvert scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A17. Simulated flood inundation change for the oxbow-overflow scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A18. Simulated flood inundation change for the oxbow-overflow scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A19. Simulated flood inundation change for the oxbow-overflow scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A20. Simulated flood inundation change for the oxbow-overflow scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A21. Simulated flood inundation change for the oxbow-channel scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A22. Simulated flood inundation change for the oxbow-channel scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A23. Simulated flood inundation change for the oxbow-channel scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A24. Simulated flood inundation change for the oxbow-channel scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Results of original model and no-bridge scenario

- **Area inundated by both** the original model and no-bridge scenario
- **Area inundated by original model but not inundated** with no-bridge scenario
- **Area not inundated by original model but is inundated** with no-bridge scenario

**Study area**

**USGS streamgage**

Water-surface altitude at gage: 181.5 feet NAVD 88
Gage stage: 32 feet
Inflow: 61,100 cubic feet per second

**Figure A25.** Simulated flood inundation change for the no-bridge scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A26. Simulated flood inundation change for the no-bridge scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
**Figure A27.** Simulated flood inundation change for the no-bridge scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A28. Simulated flood inundation change for the no-bridge scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A29. Simulated flood inundation change for the combination west-and-east-culvert and oxbow-overflow scenario for a water-surface altitude of 181.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A30. Simulated flood inundation change for the combination west-and-east-culvert and oxbow-overflow scenario for a water-surface altitude of 184.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A31. Simulated flood inundation change for the combination west-and-east-culvert and oxbow-overflow scenario for a water-surface altitude of 187.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.
Figure A32. Simulated flood inundation change for the combination west-and-east-culvert and oxbow-overflow scenario for a water-surface altitude of 192.5 feet at the Albany streamgage, for the Flint River in Albany, Georgia.