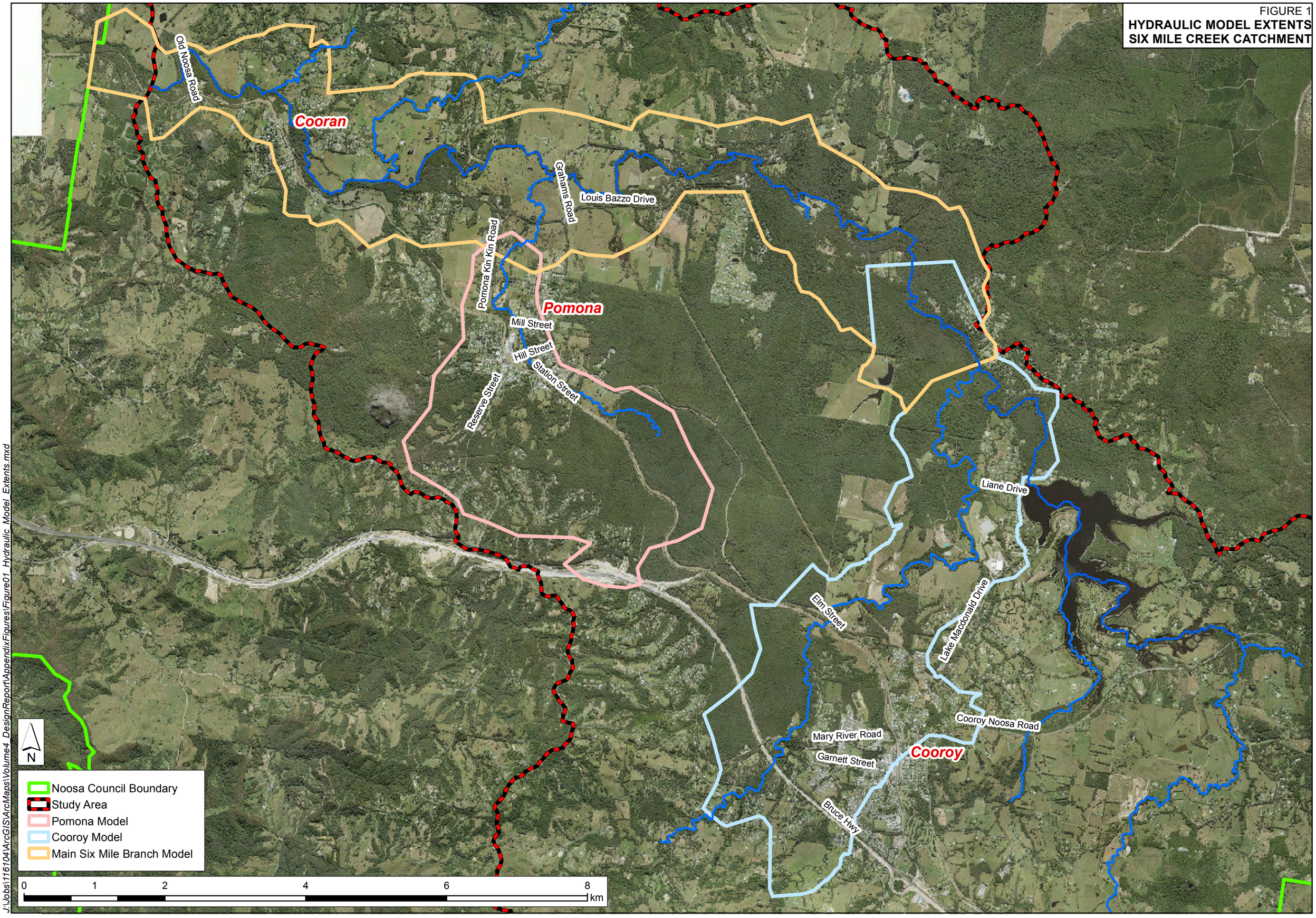
APPENDIX A

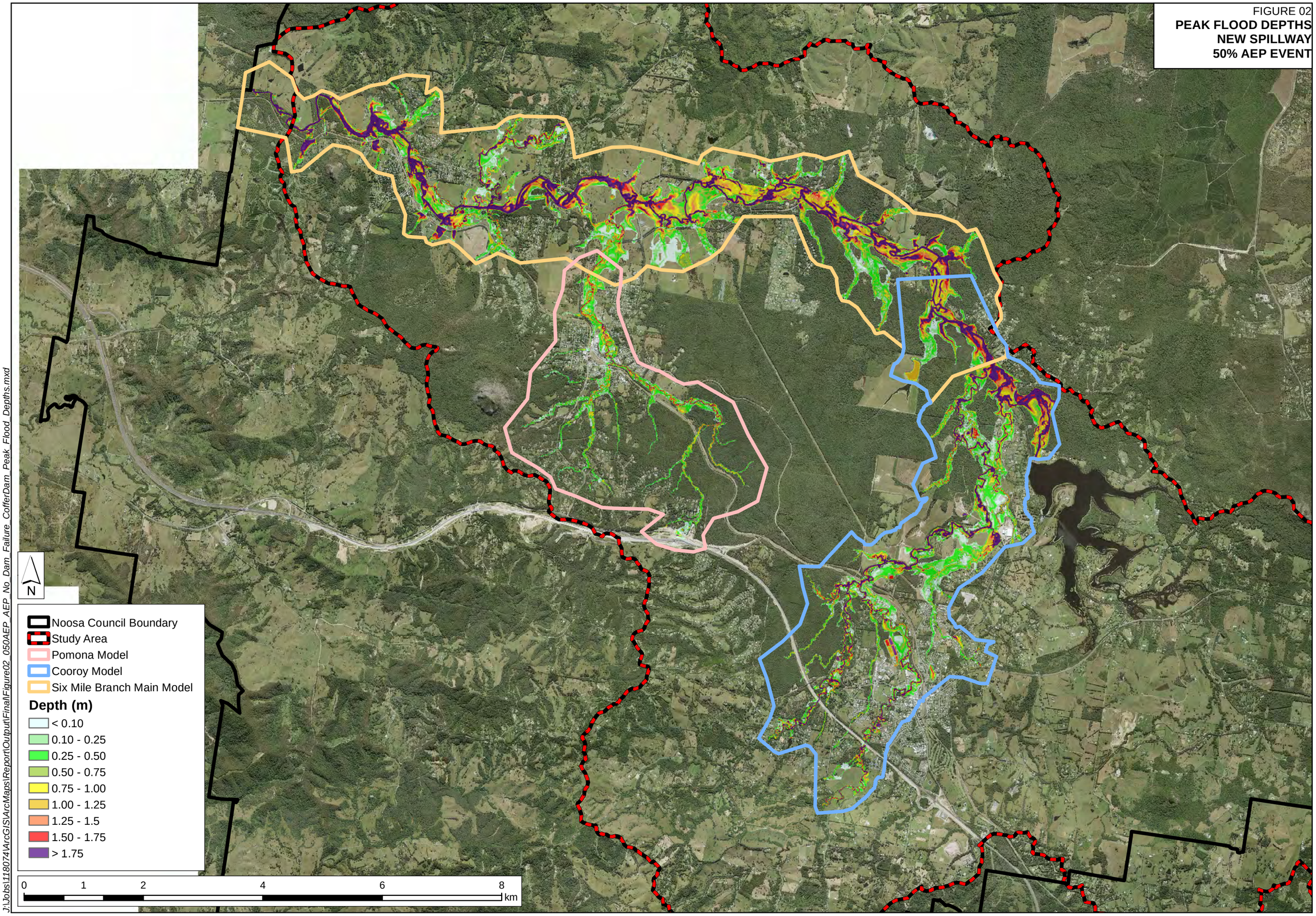
Hydrology modeling results
- Existing Dam
- Coffer Dam (construction)
- New dam (post construction)

FIGURE 1
HYDRAULIC MODEL EXTENTS
SIX MILE CREEK CATCHMENT



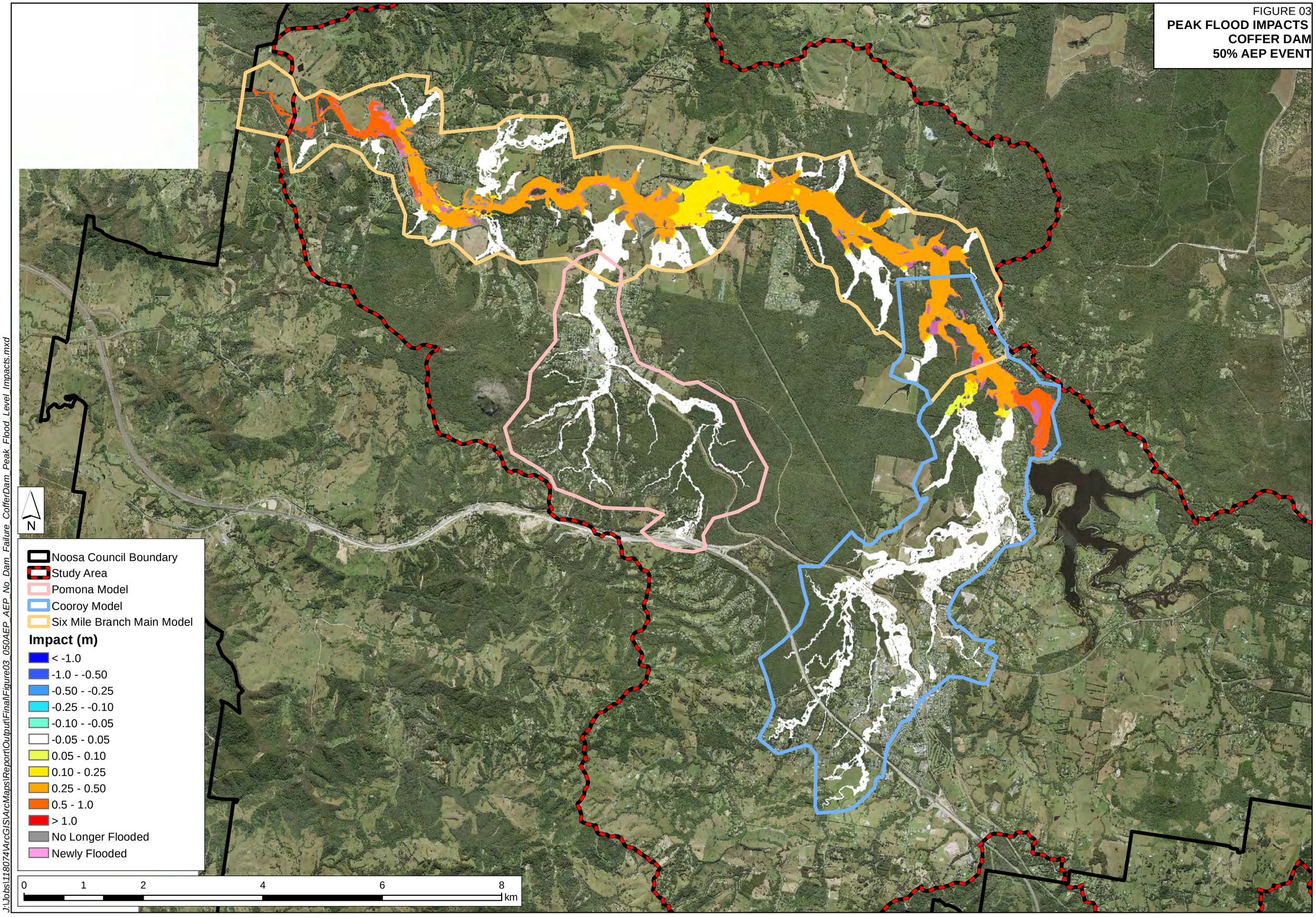
J:\Jobs\116104\ArcGIS\ArcMaps\Volume4_DesignReport\AppendixFigures\Figure01_Hydraulic_Model_Extents.mxd

FIGURE 02
PEAK FLOOD DEPTHS
NEW SPILLWAY
50% AEP EVENT



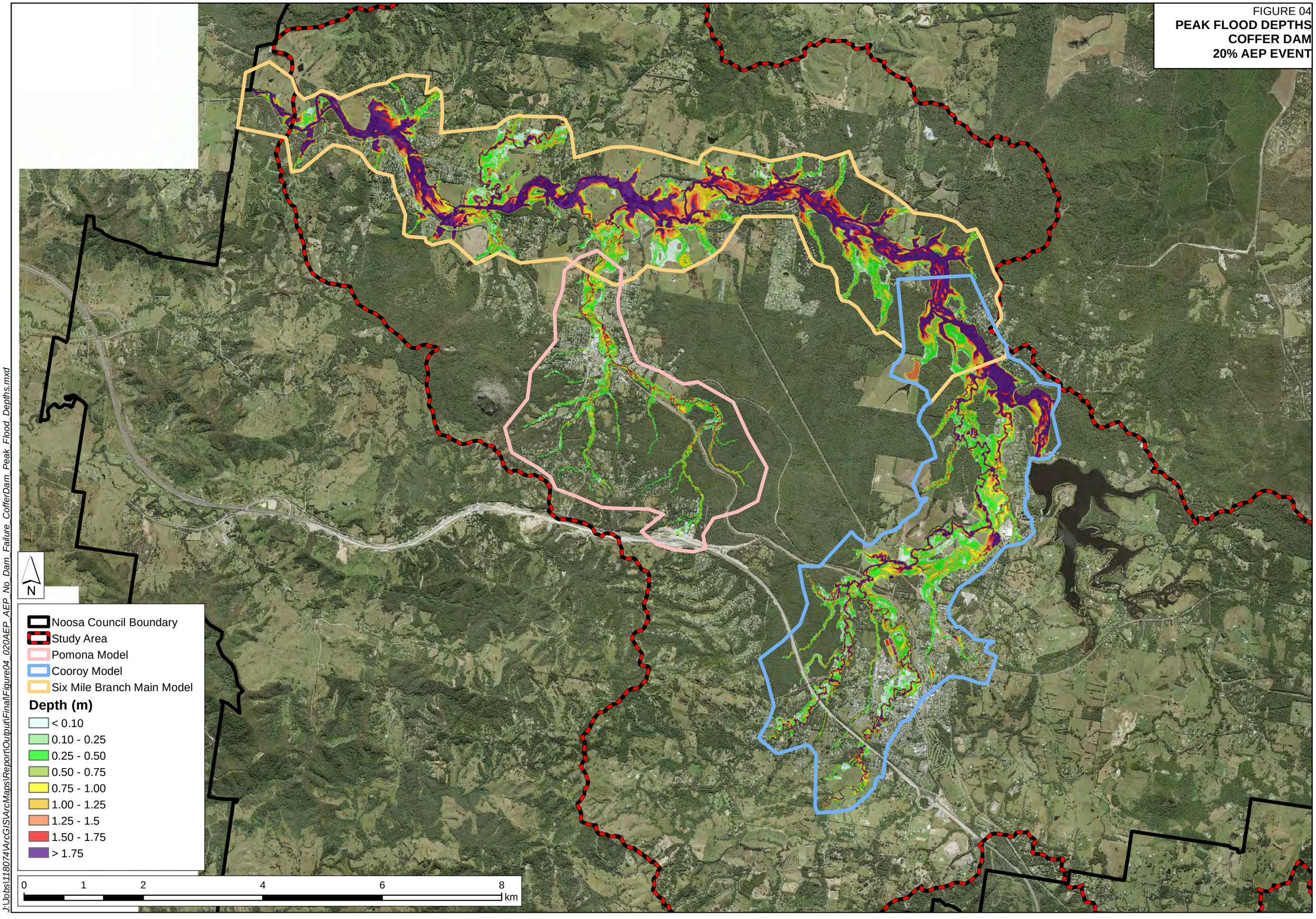
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure02_050AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Depths.mxd

FIGURE 03
PEAK FLOOD IMPACTS
COFFER DAM
50% AEP EVENT



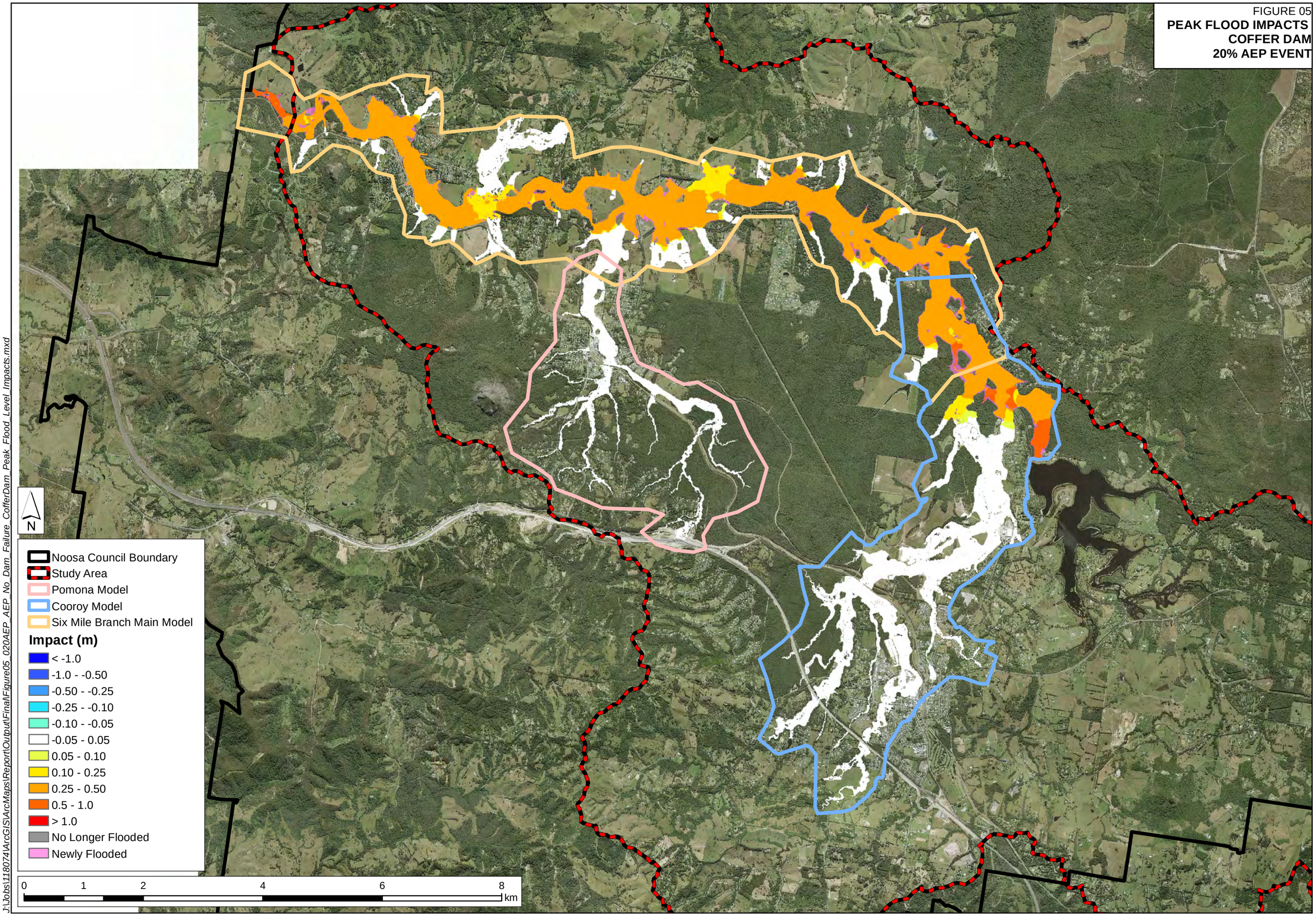
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure03_050AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Level_Impacts.mxd

FIGURE 04
PEAK FLOOD DEPTHS
COFFER DAM
20% AEP EVENT



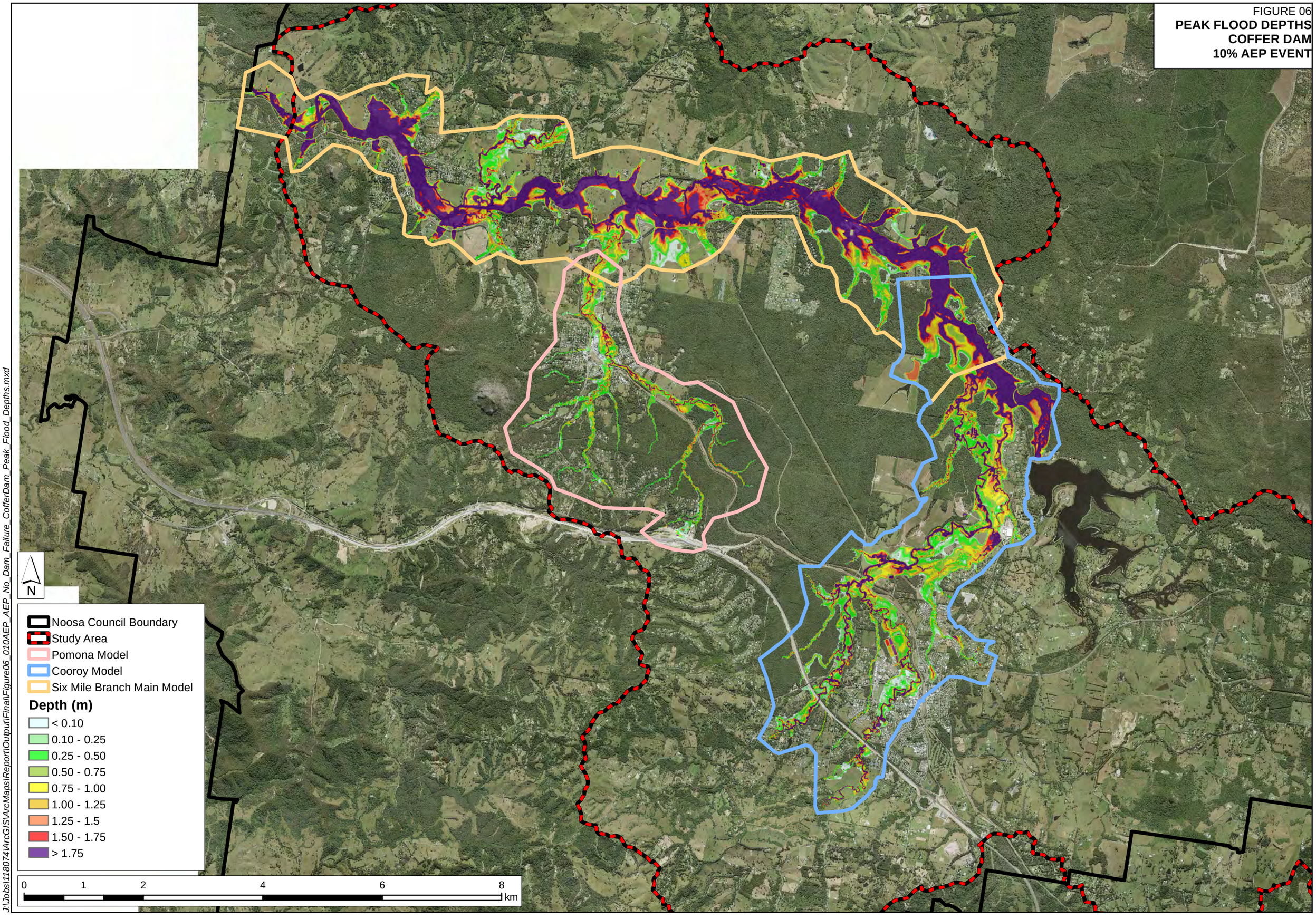
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure04_020AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Depths.mxd

FIGURE 05
PEAK FLOOD IMPACTS
COFFER DAM
20% AEP EVENT



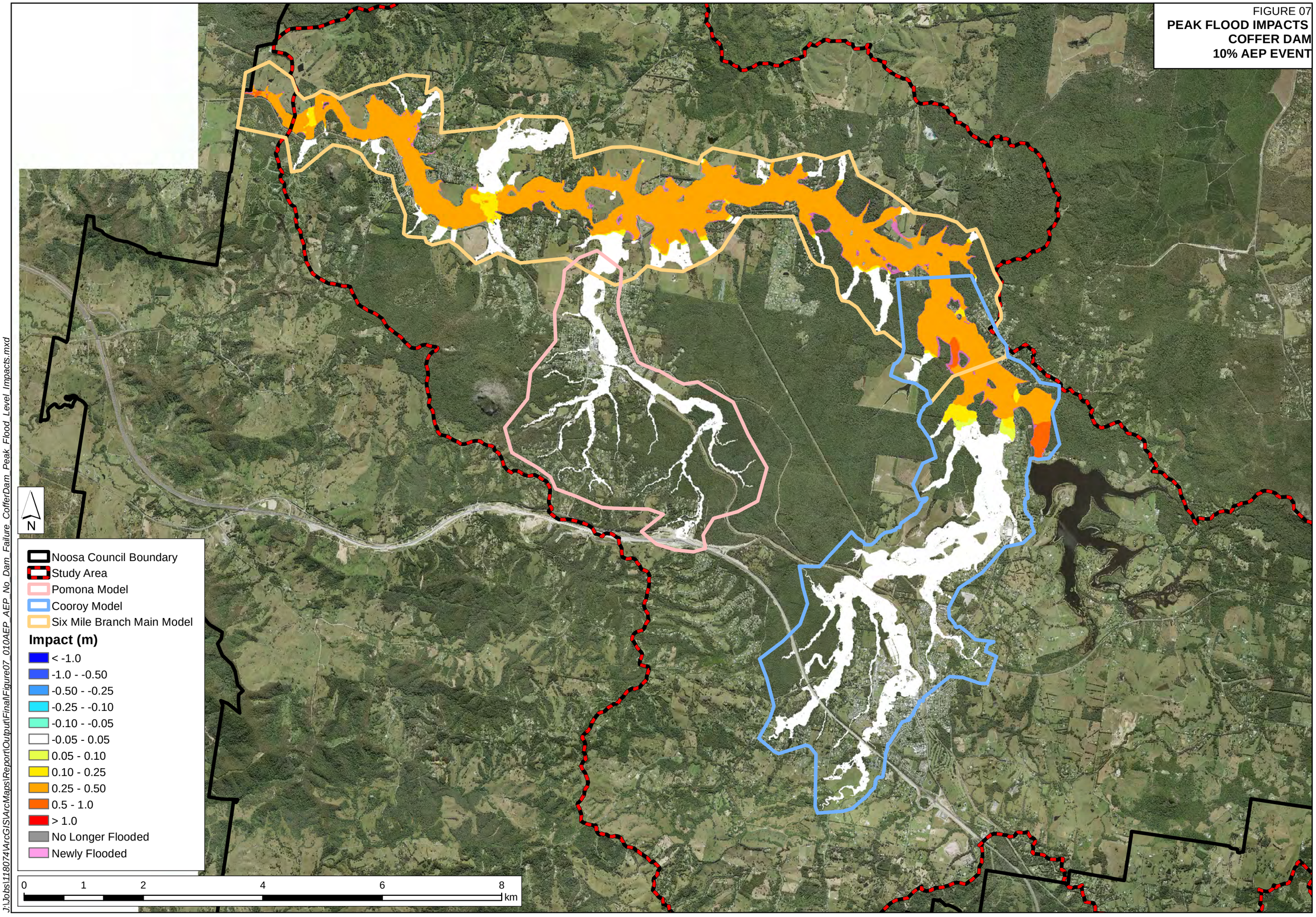
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure05_020AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Level_Impacts.mxd

FIGURE 06
PEAK FLOOD DEPTHS
COFFER DAM
10% AEP EVENT



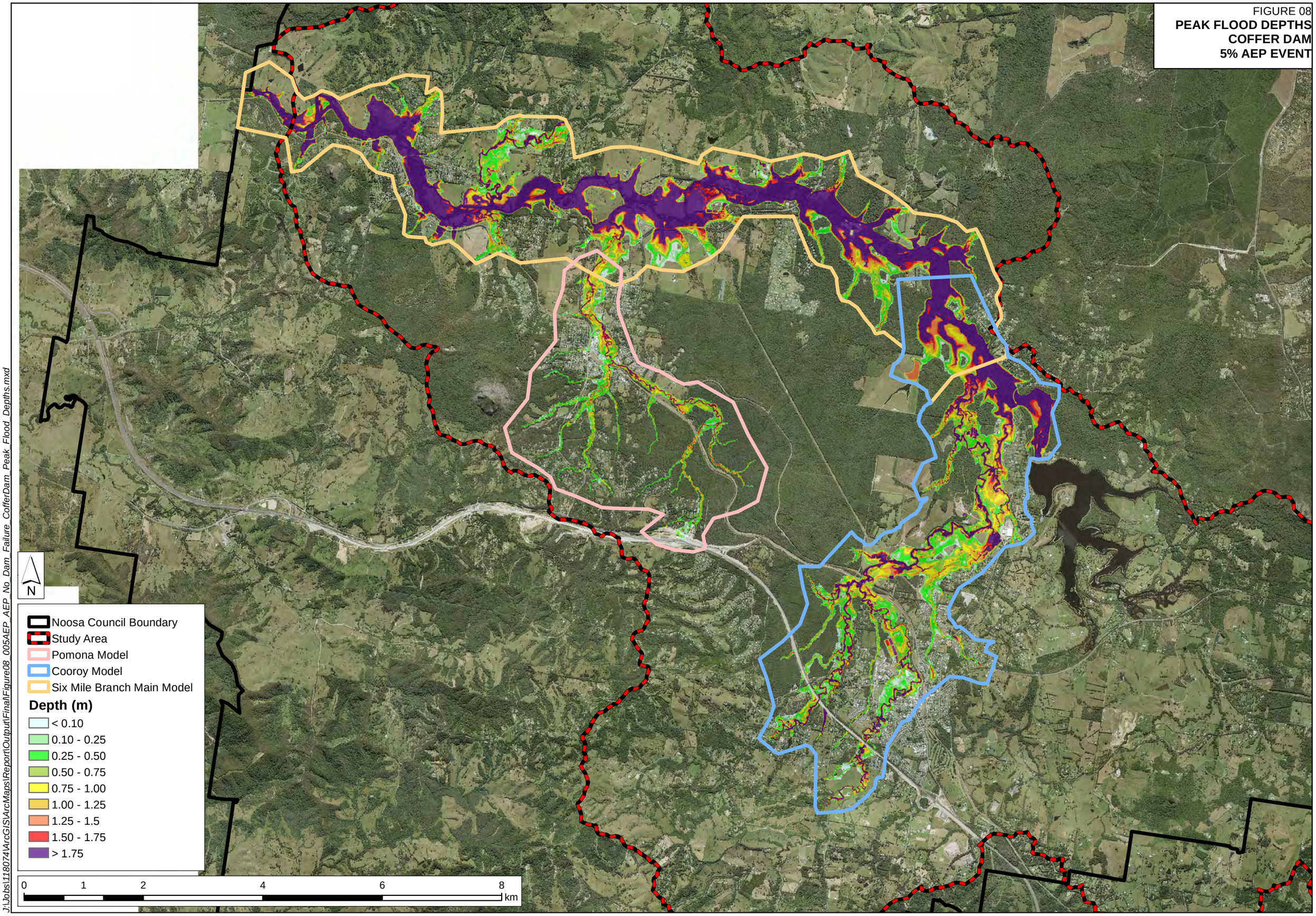
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure06_010AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Depths.mxd

FIGURE 07
PEAK FLOOD IMPACTS
COFFER DAM
10% AEP EVENT



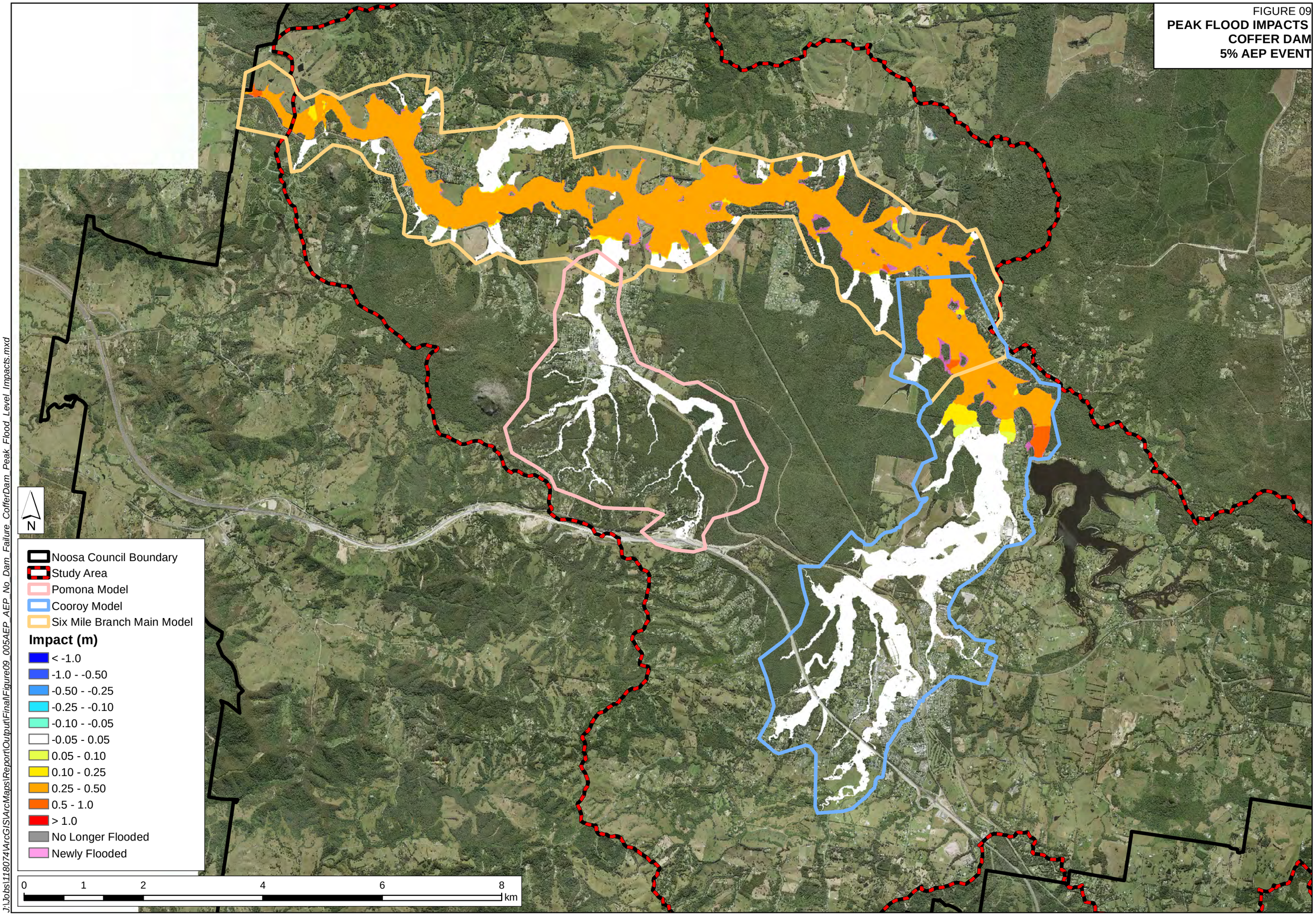
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure07_010AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Level_Impacts.mxd

FIGURE 08
PEAK FLOOD DEPTHS
COFFER DAM
5% AEP EVENT



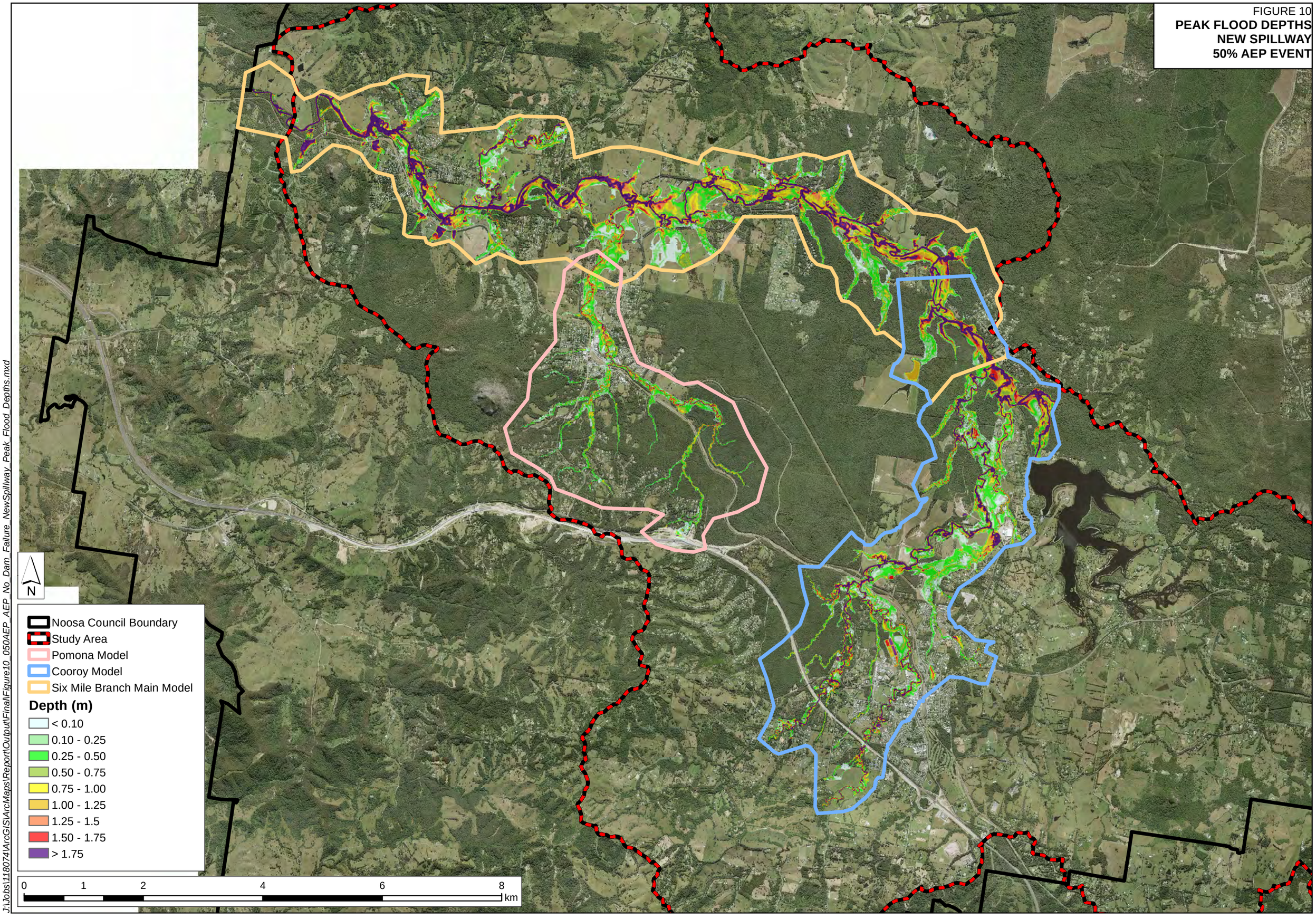
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure08_005AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Depths.mxd

FIGURE 09
PEAK FLOOD IMPACTS
COFFER DAM
5% AEP EVENT



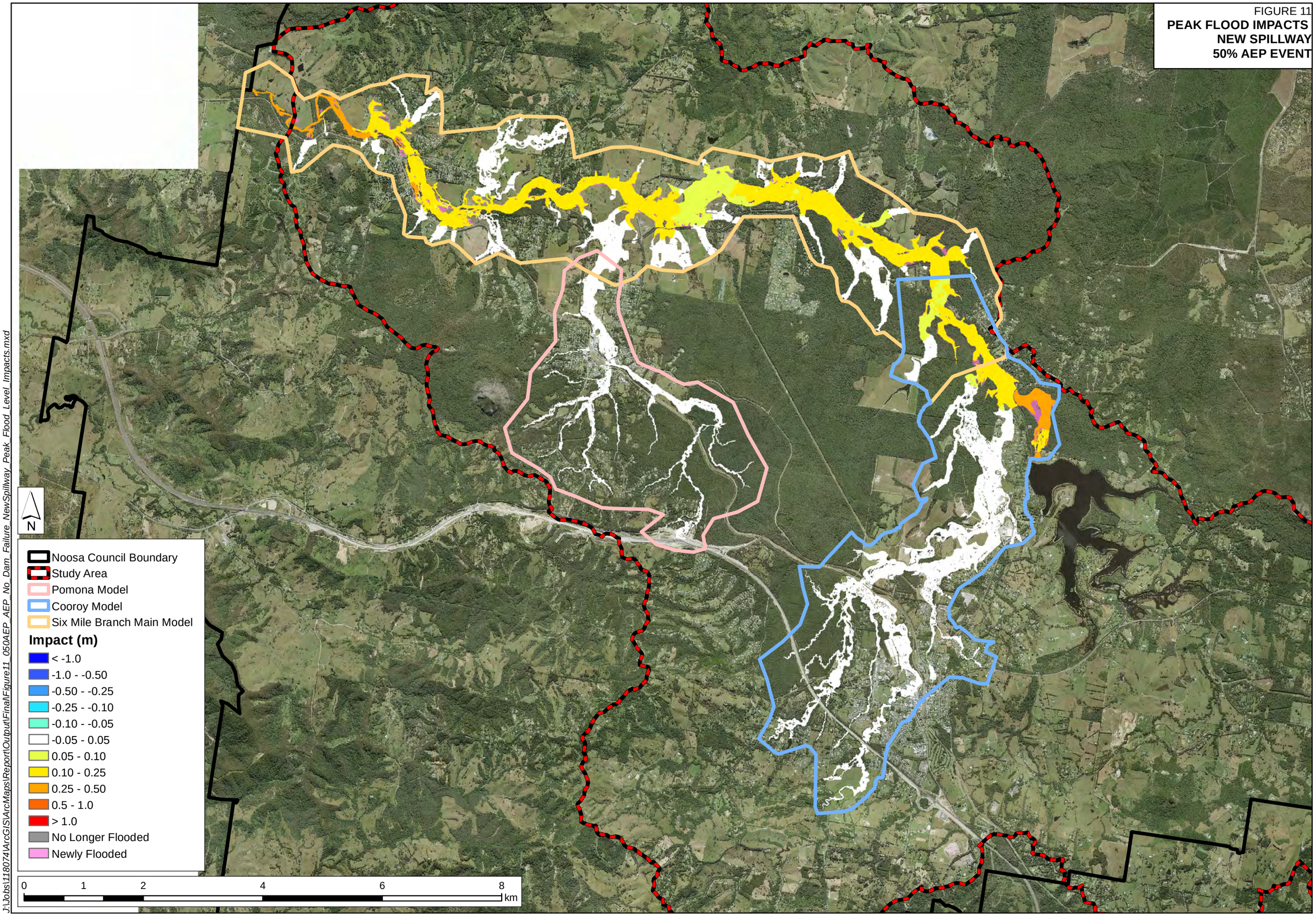
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure09_005AEP_AEP_No_Dam_Failure_CofferDam_Peak_Flood_Level_Impacts.mxd

FIGURE 10
PEAK FLOOD DEPTHS
NEW SPILLWAY
50% AEP EVENT



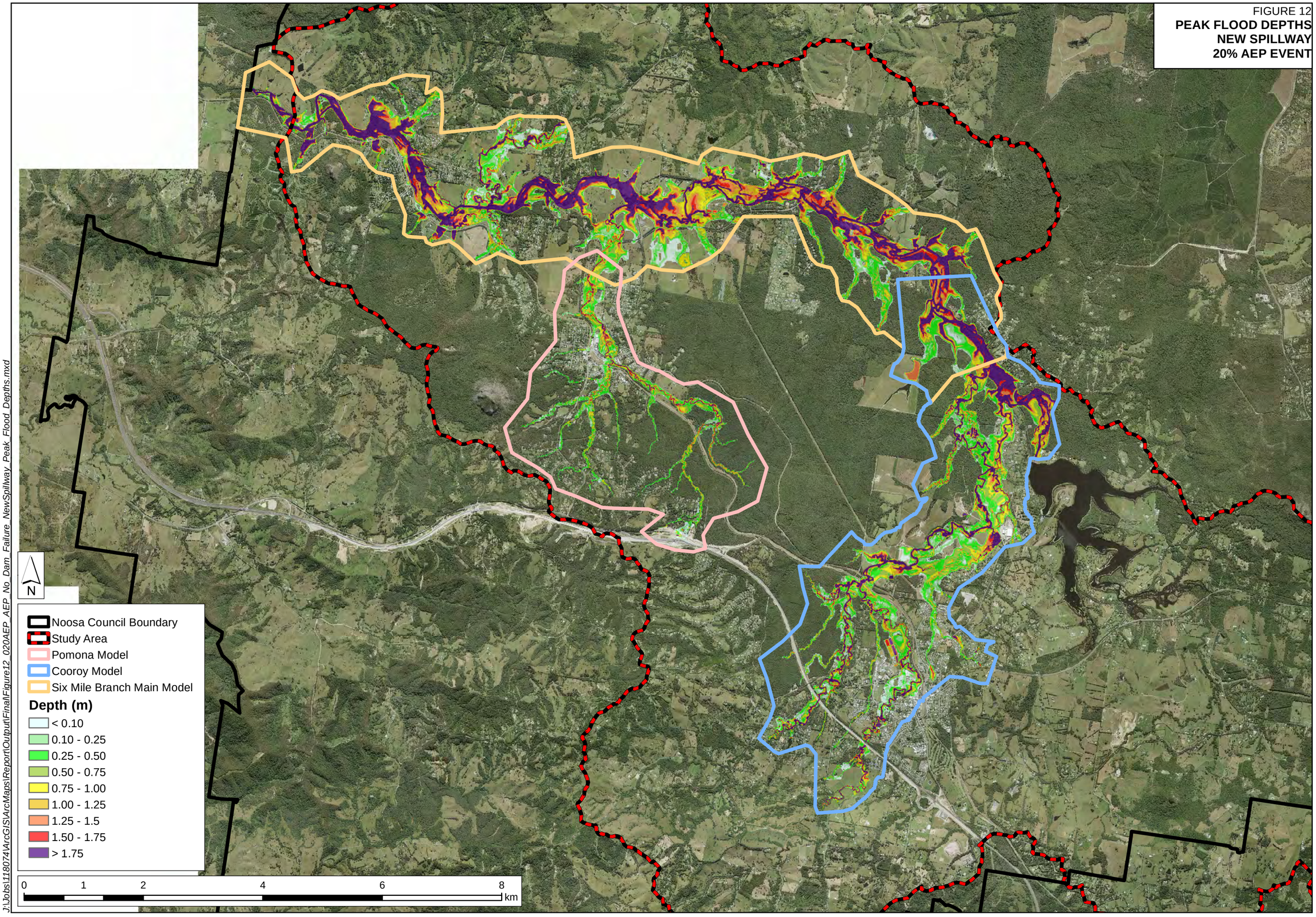
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure10_050AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

FIGURE 11
PEAK FLOOD IMPACTS
NEW SPILLWAY
50% AEP EVENT



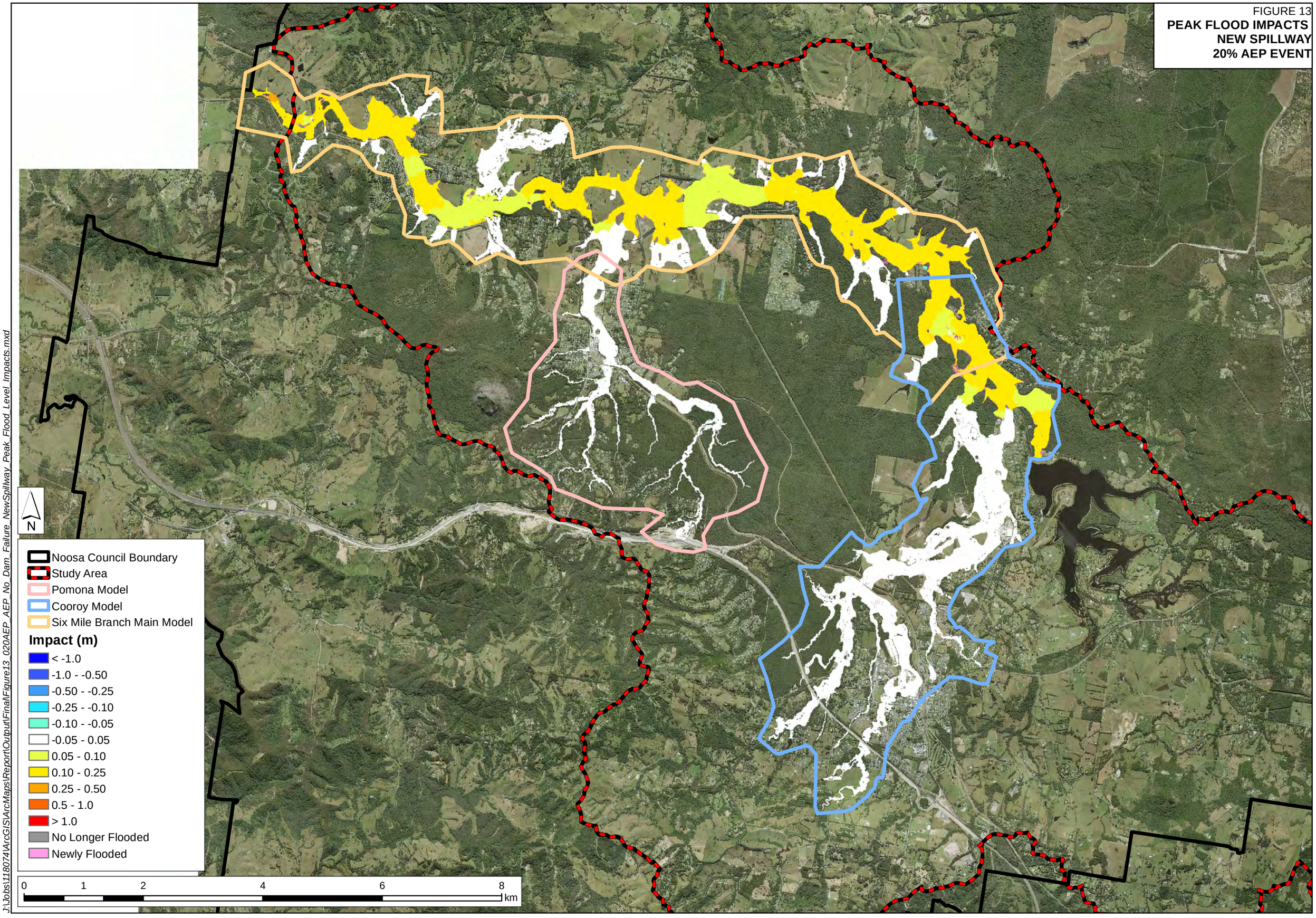
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure11_050AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 12
PEAK FLOOD DEPTHS
NEW SPILLWAY
20% AEP EVENT



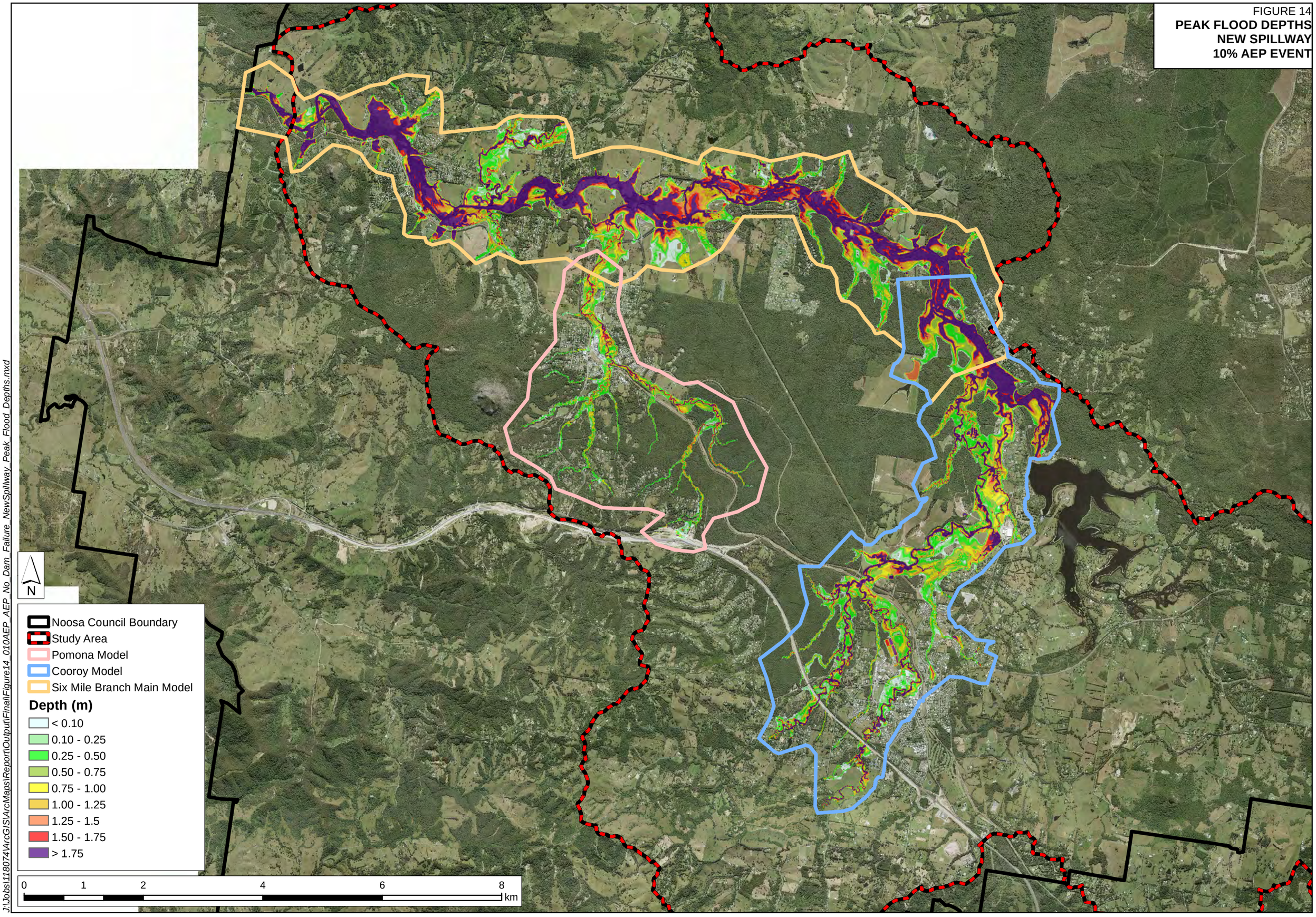
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure12_020AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

FIGURE 13
PEAK FLOOD IMPACTS
NEW SPILLWAY
20% AEP EVENT



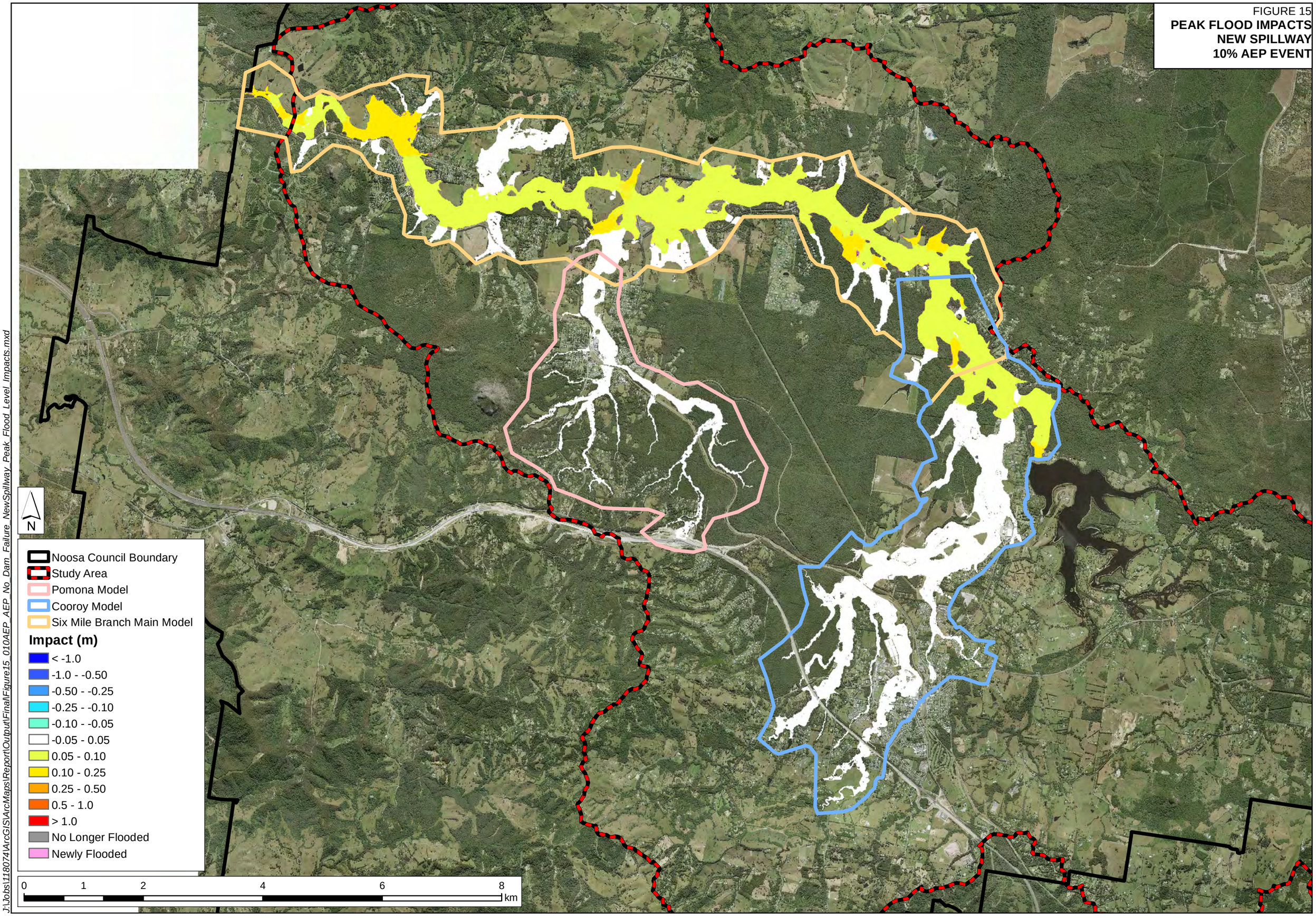
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure13_020AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 14
PEAK FLOOD DEPTHS
NEW SPILLWAY
10% AEP EVENT



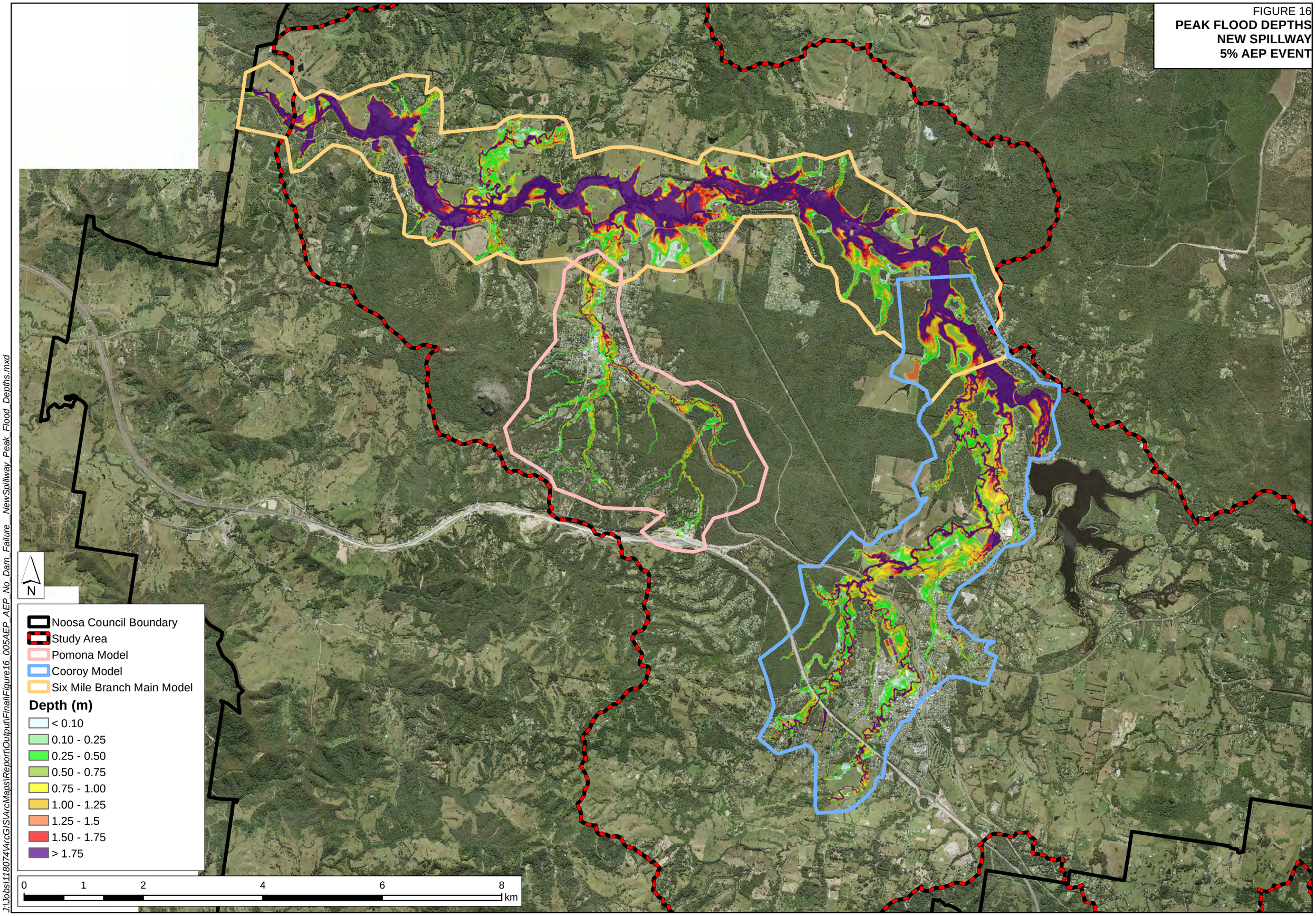
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure14_010AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

FIGURE 15
PEAK FLOOD IMPACTS
NEW SPILLWAY
10% AEP EVENT



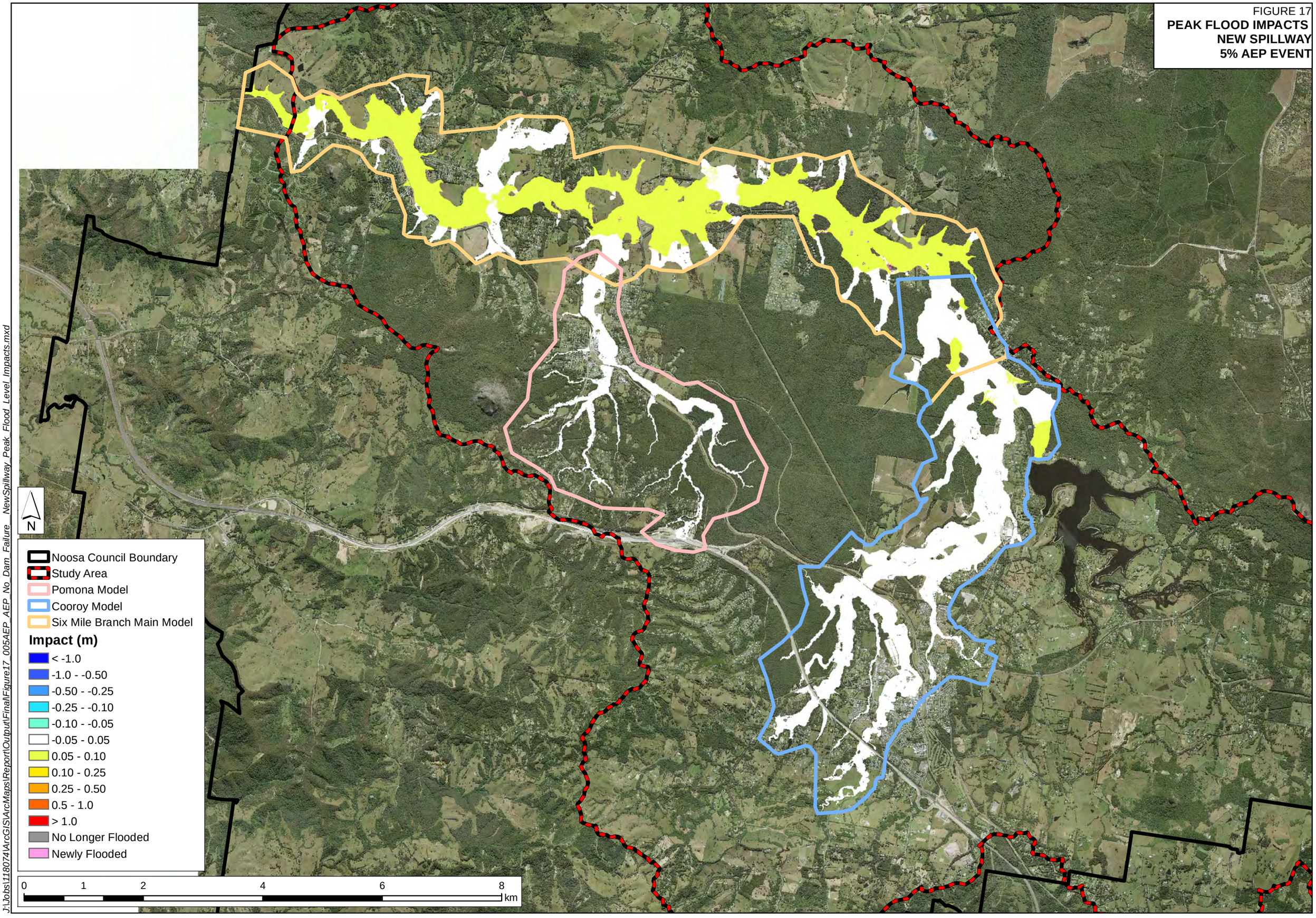
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure15_010AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 16
PEAK FLOOD DEPTHS
NEW SPILLWAY
5% AEP EVENT



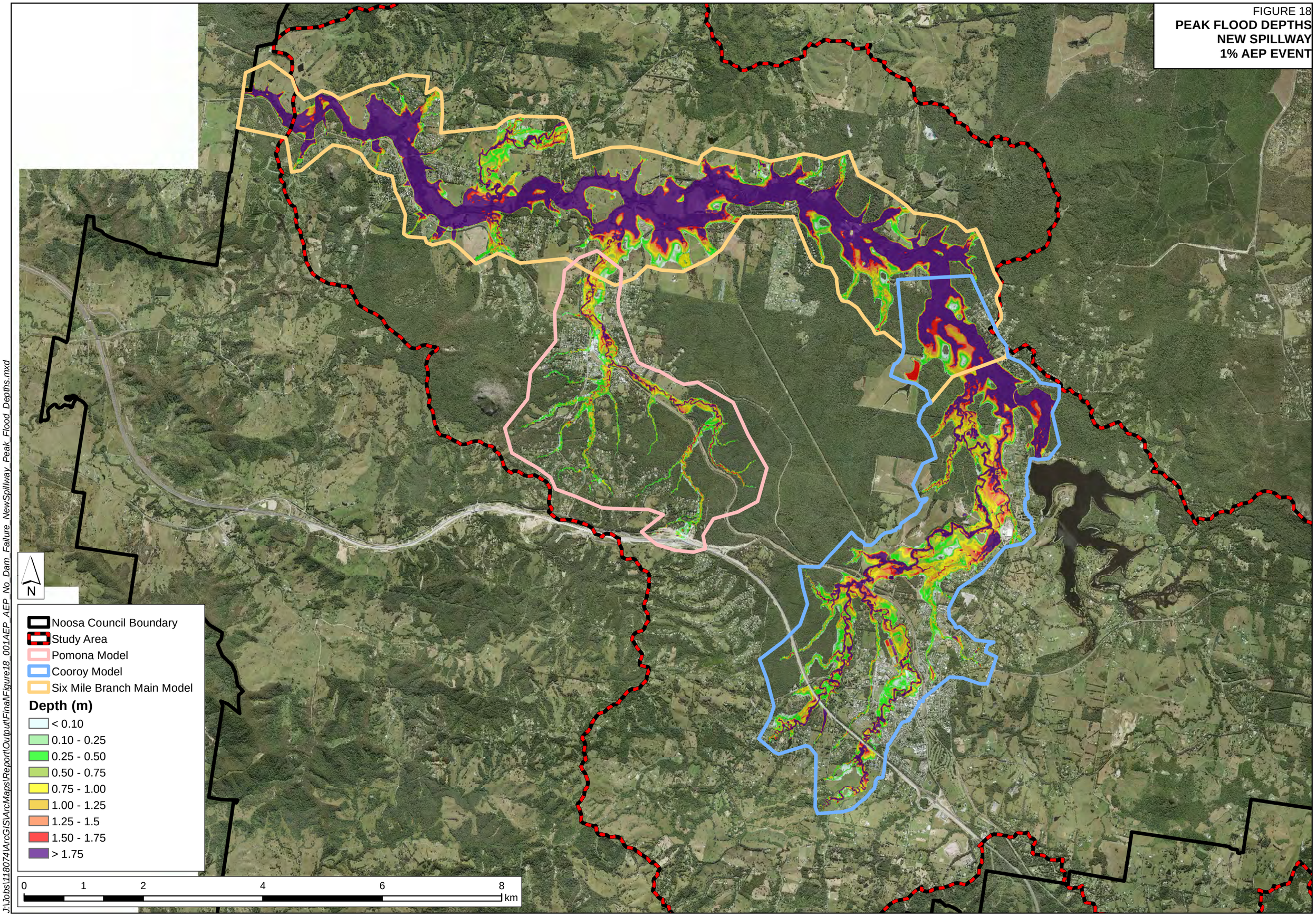
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure16_005AEP_AEP_No_Dam_Failure__NewSpillway_Peak_Flood_Depths.mxd

FIGURE 17
PEAK FLOOD IMPACTS
NEW SPILLWAY
5% AEP EVENT



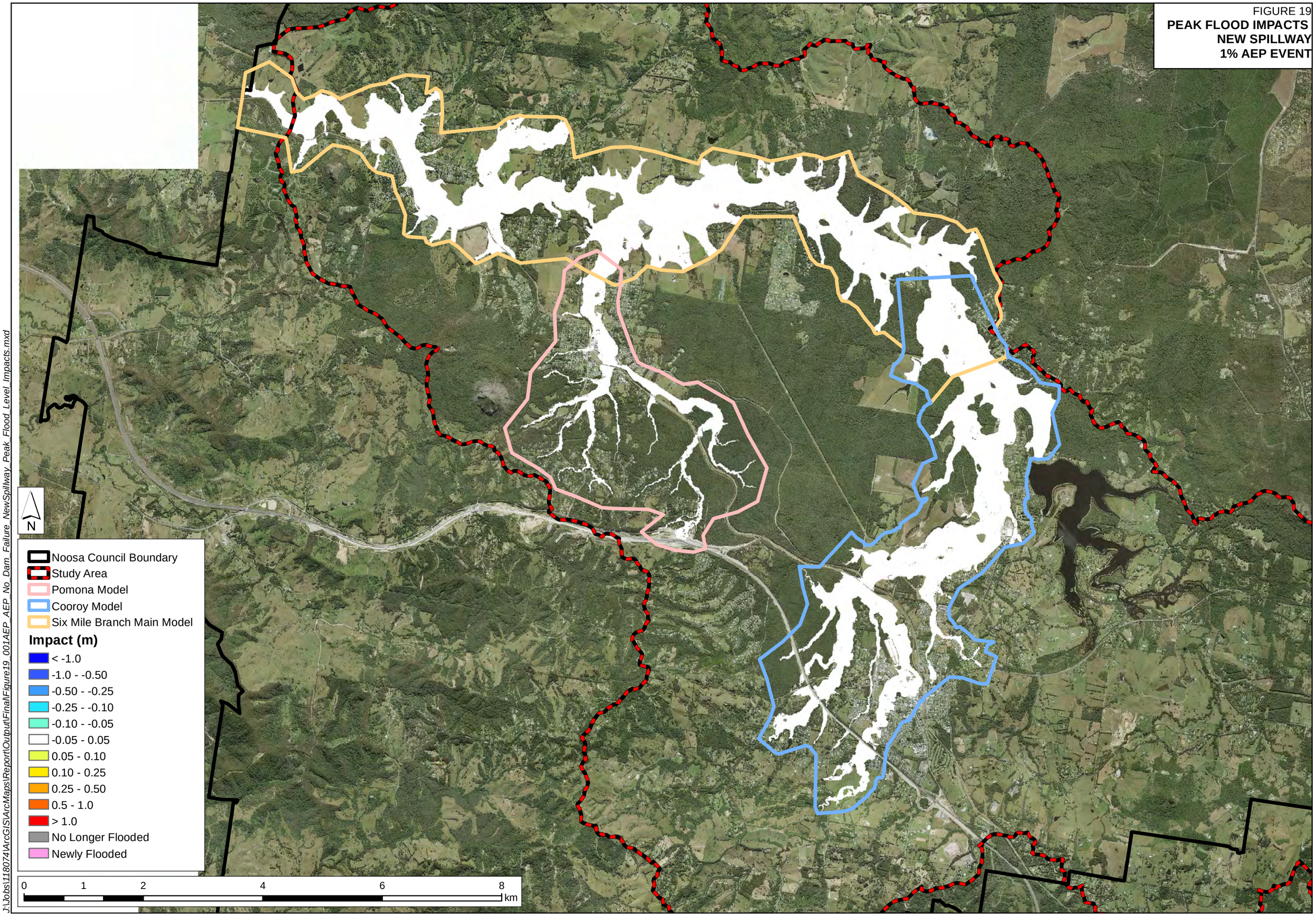
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure17_005AEP_AEP_No_Dam_Failure__NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 18
PEAK FLOOD DEPTHS
NEW SPILLWAY
1% AEP EVENT



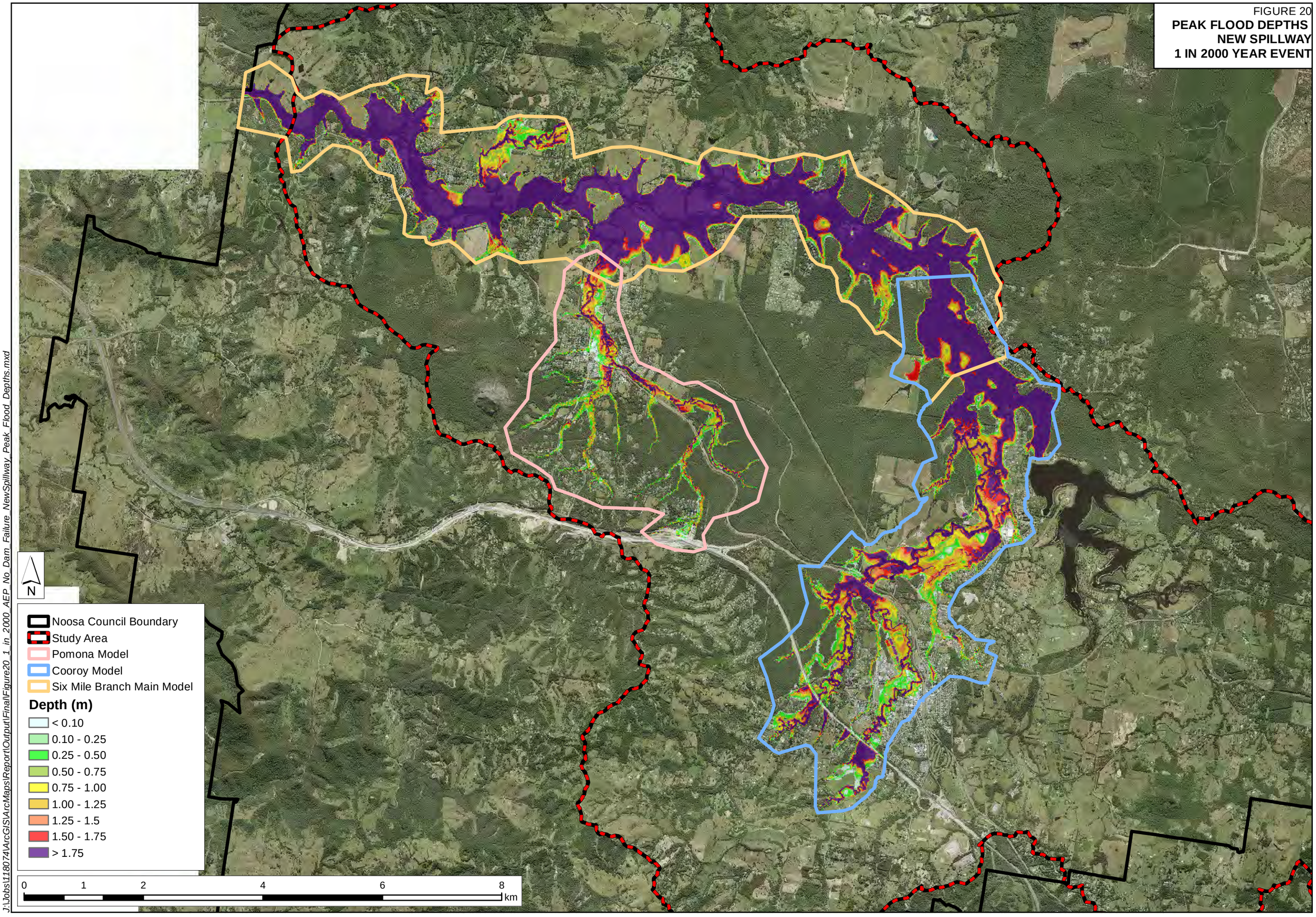
J:\Jobs\1180741\ArcGIS\ArcMaps\Report\Output\Final\Figure18_001AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

FIGURE 19
PEAK FLOOD IMPACTS
NEW SPILLWAY
1% AEP EVENT



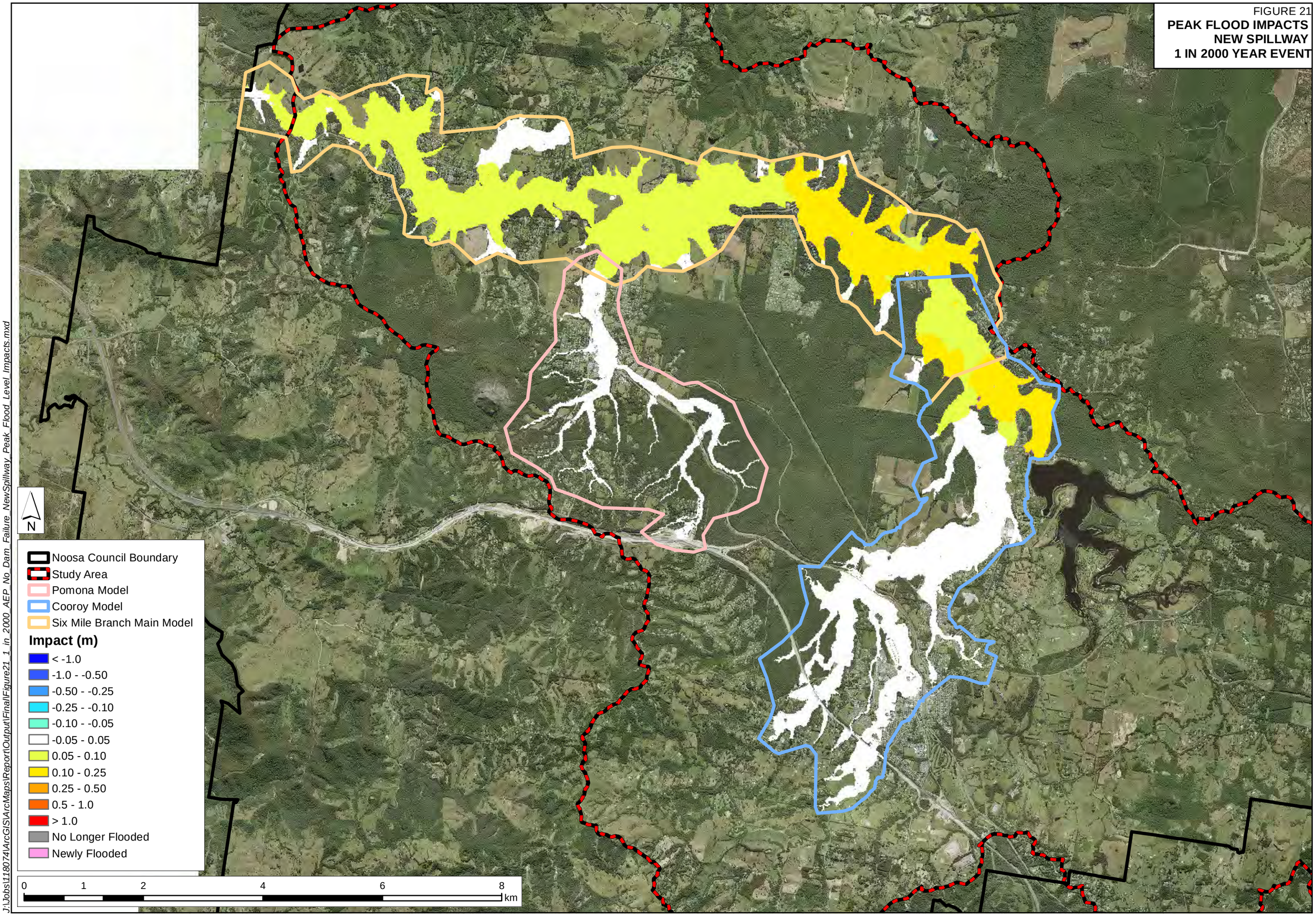
J:\Jobs\1180741\ArcGIS\ArcMaps\Report\Output\Final\Figure19_001AEP_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 20
PEAK FLOOD DEPTHS
NEW SPILLWAY
1 IN 2000 YEAR EVENT



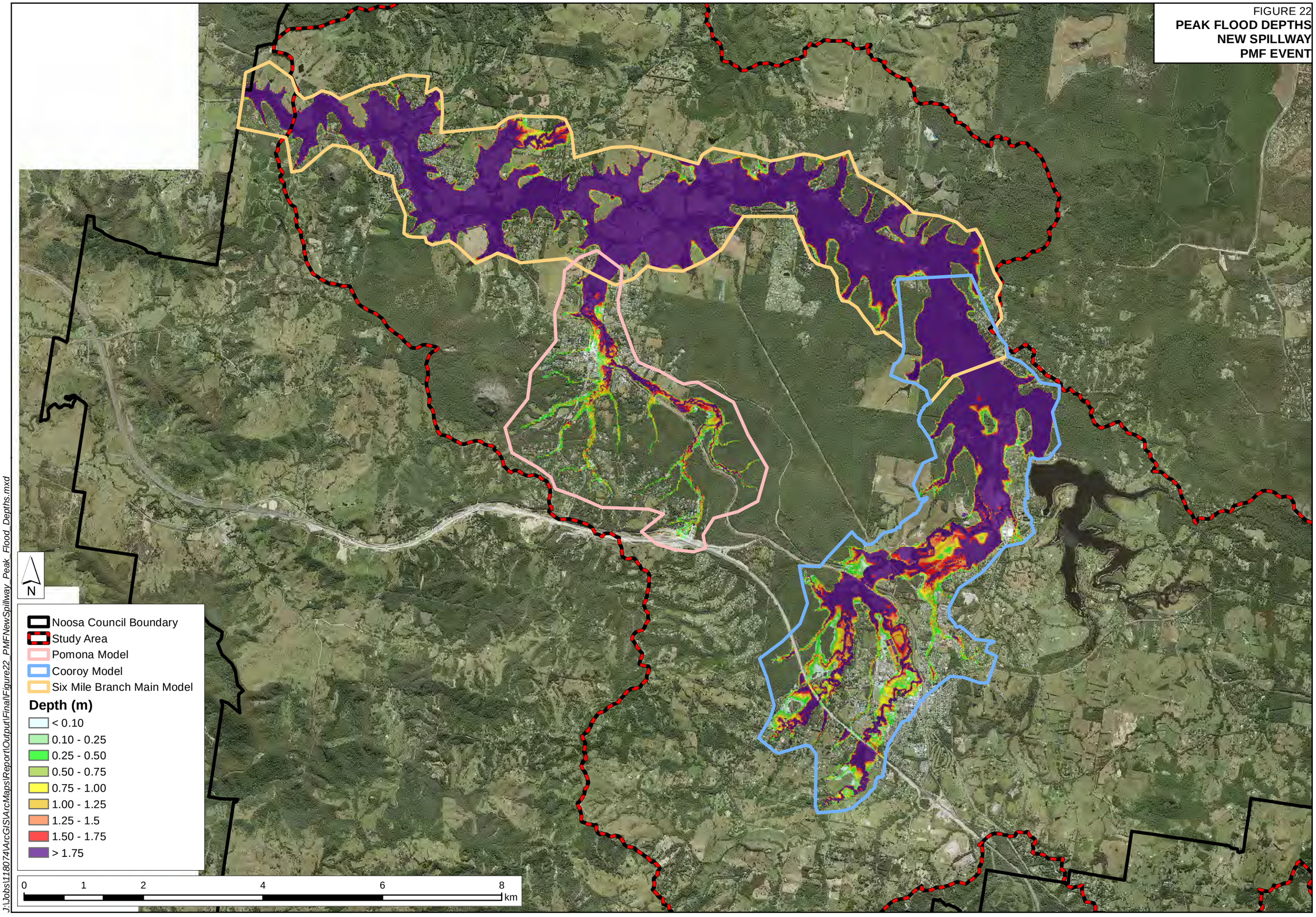
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure20_1_in_2000_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

FIGURE 21
PEAK FLOOD IMPACTS
NEW SPILLWAY
1 IN 2000 YEAR EVENT



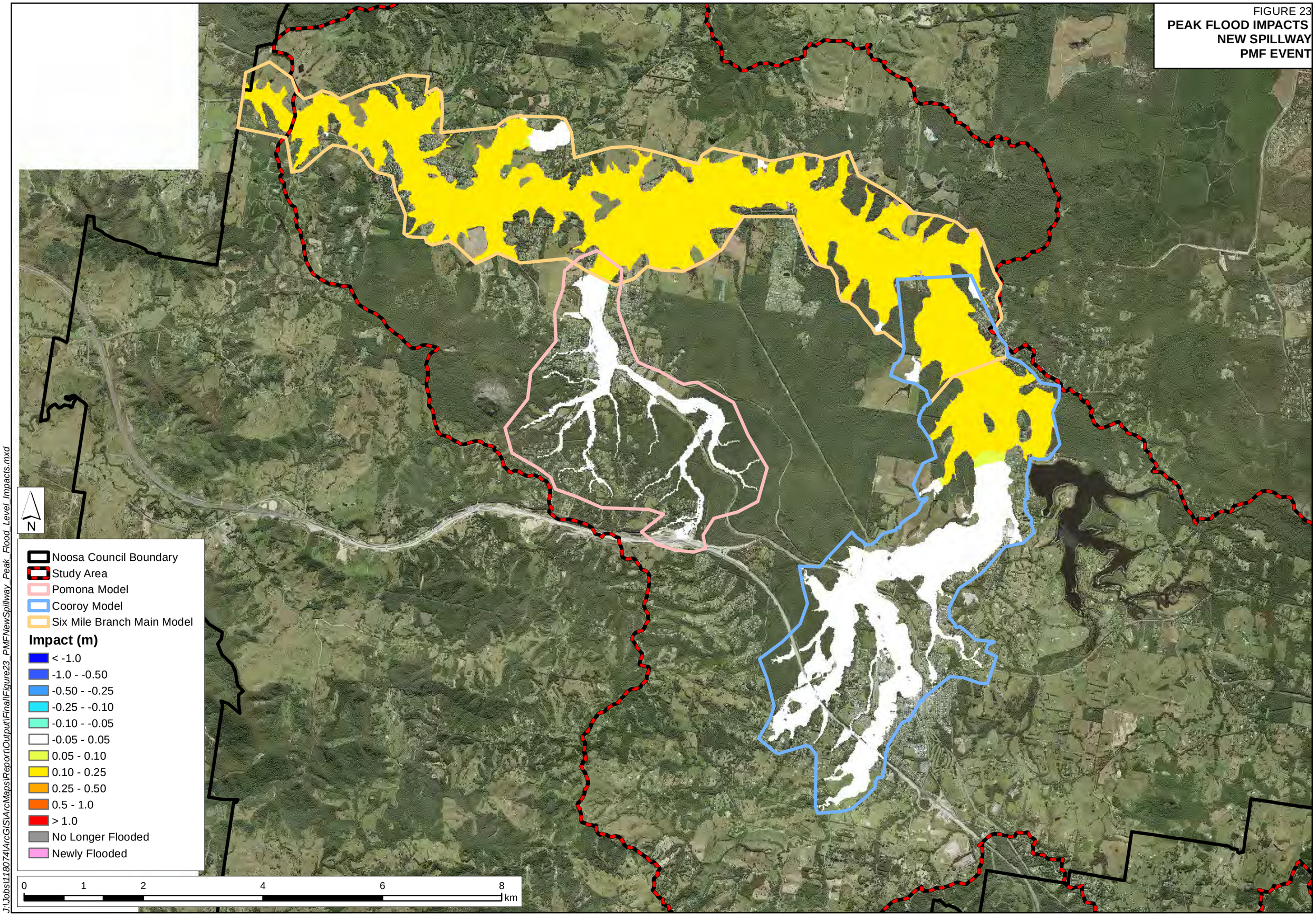
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure21_1_in_2000_AEP_No_Dam_Failure_NewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 22
PEAK FLOOD DEPTHS
NEW SPILLWAY
PMF EVENT



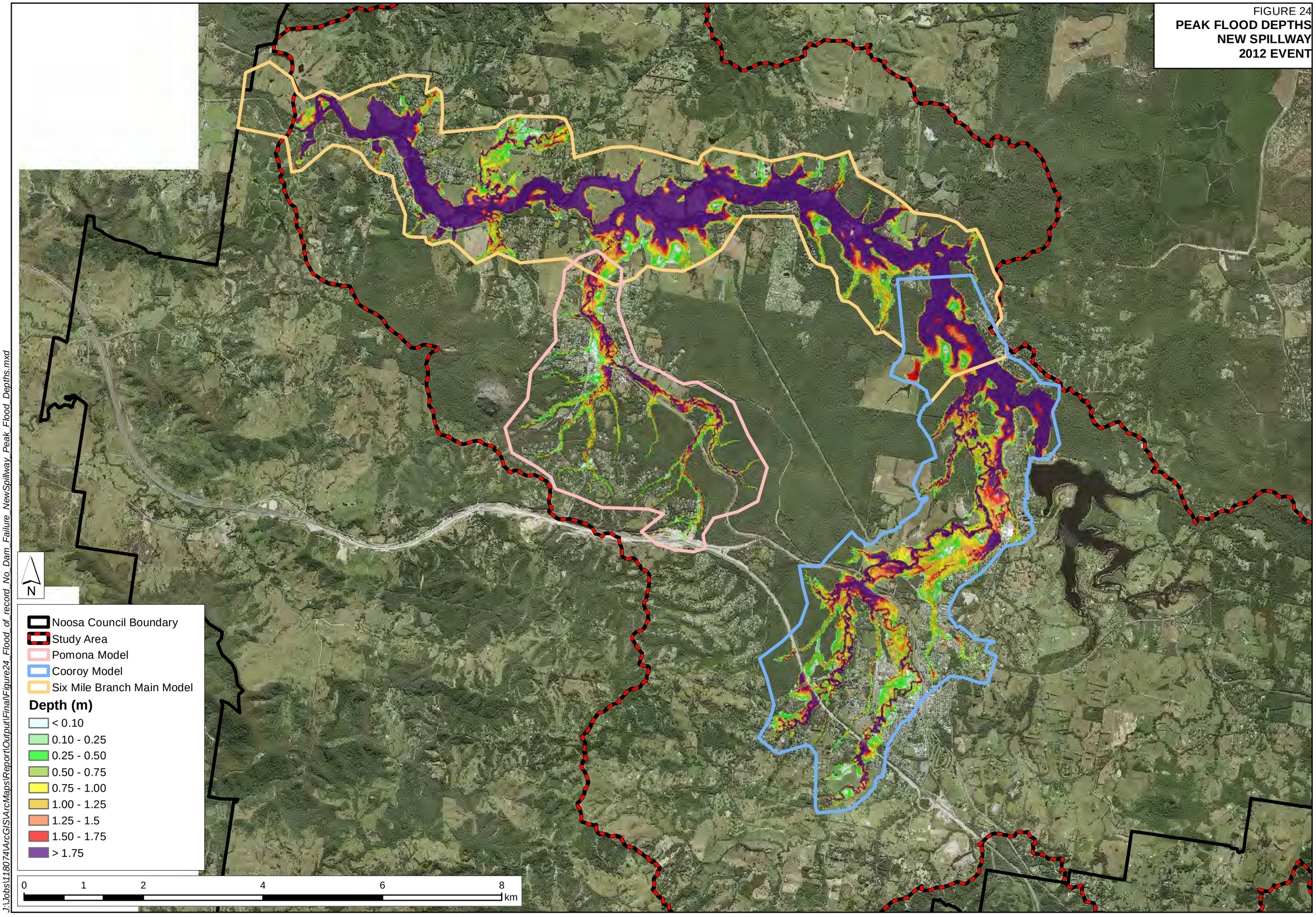
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure22_PMFNewSpillway_Peak_Flood_Depths.mxd

FIGURE 23
PEAK FLOOD IMPACTS
NEW SPILLWAY
PMF EVENT



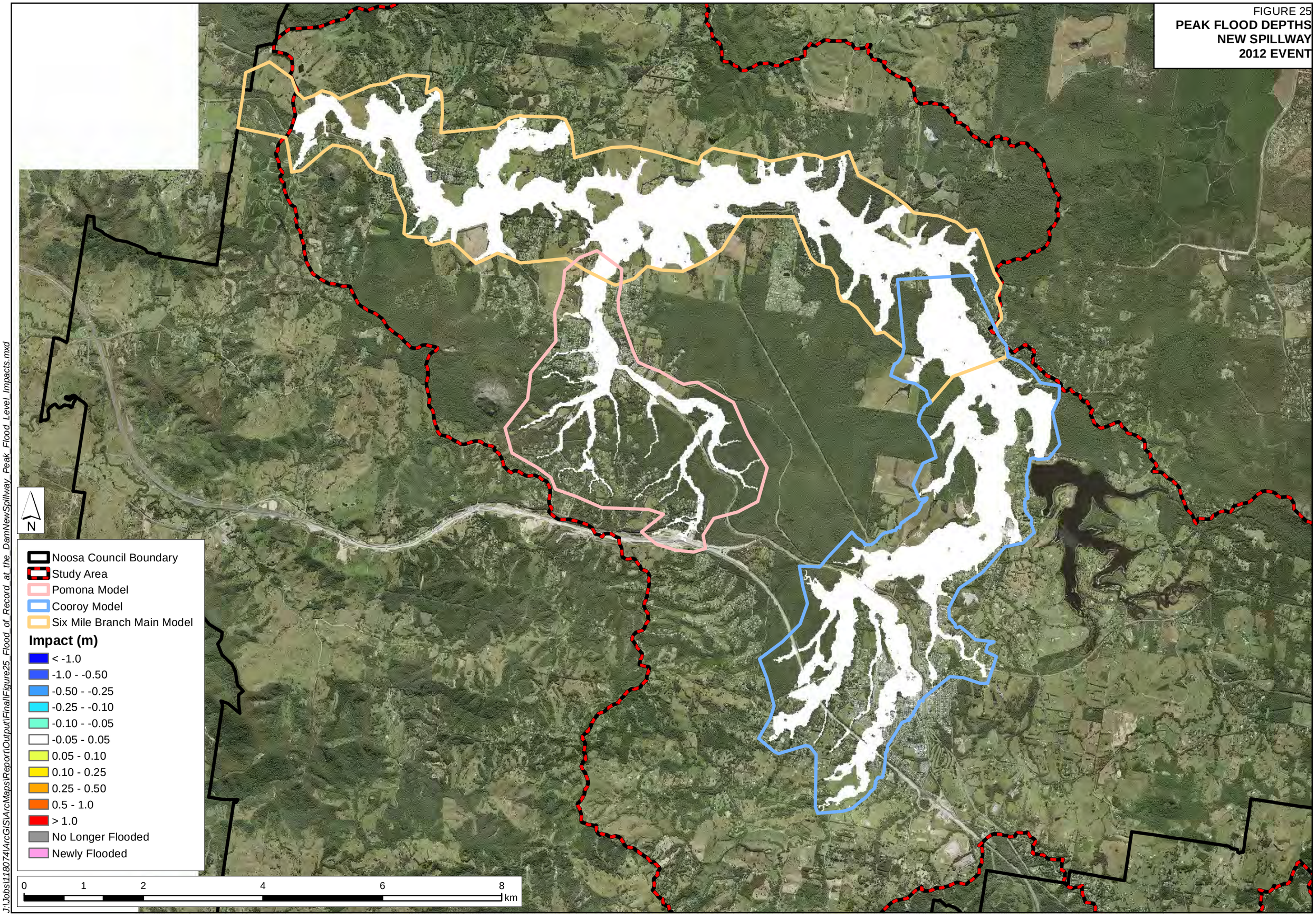
J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure23_PMFNewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE 24
PEAK FLOOD DEPTHS
NEW SPILLWAY
2012 EVENT



J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure24_Flood_of_record_No_Dam_Failure_NewSpillway_Peak_Flood_Depths.mxd

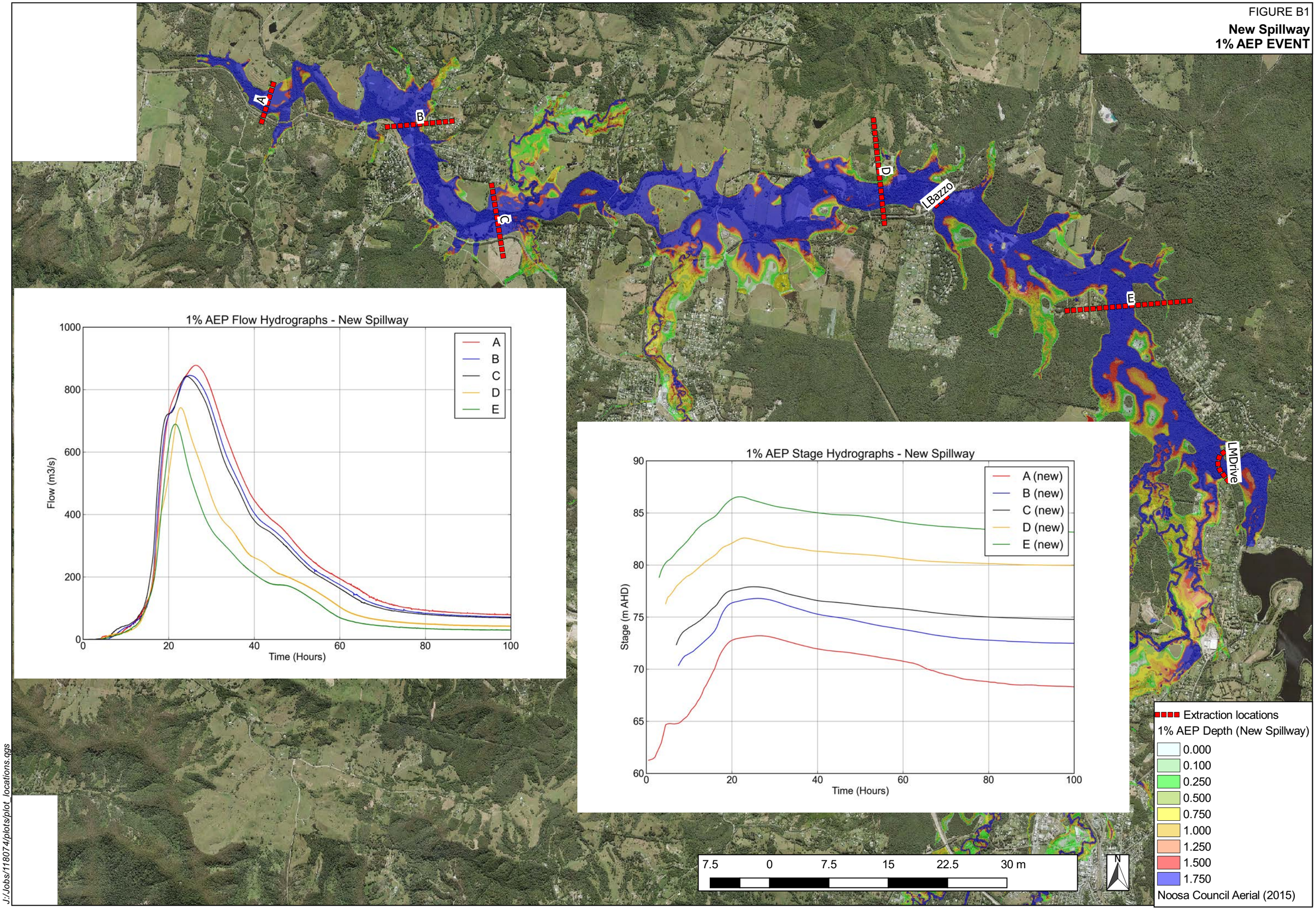
FIGURE 25
PEAK FLOOD DEPTHS
NEW SPILLWAY
2012 EVENT



J:\Jobs\118074\ArcGIS\ArcMaps\Report\Output\Final\Figure25_Flood_of_Record_at_the_DamNewSpillway_Peak_Flood_Level_Impacts.mxd

FIGURE B1

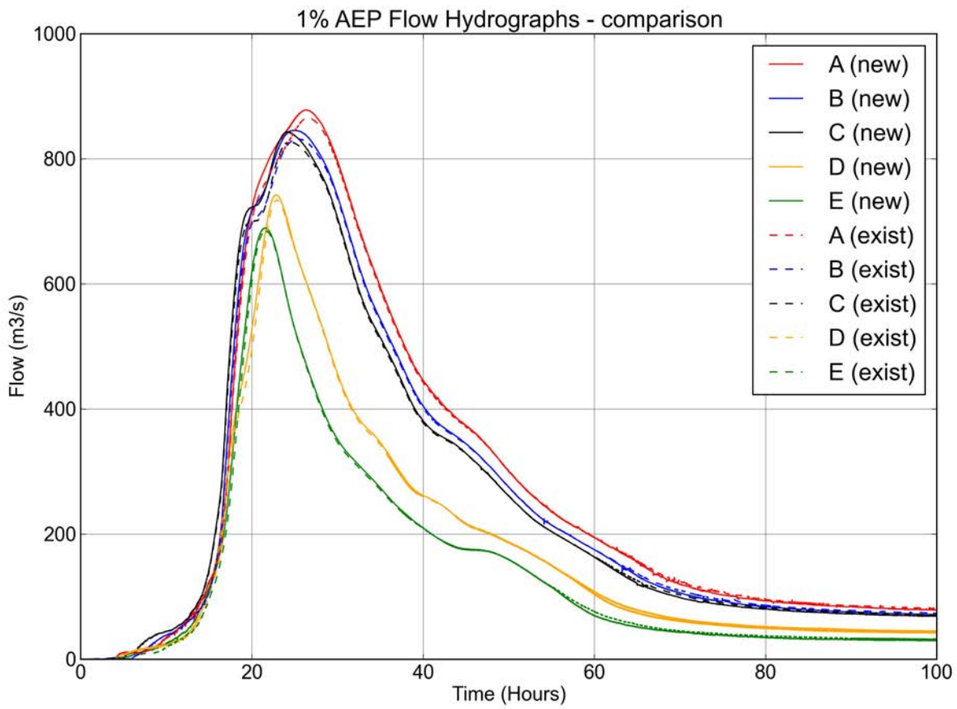
New Spillway
1% AEP EVENT

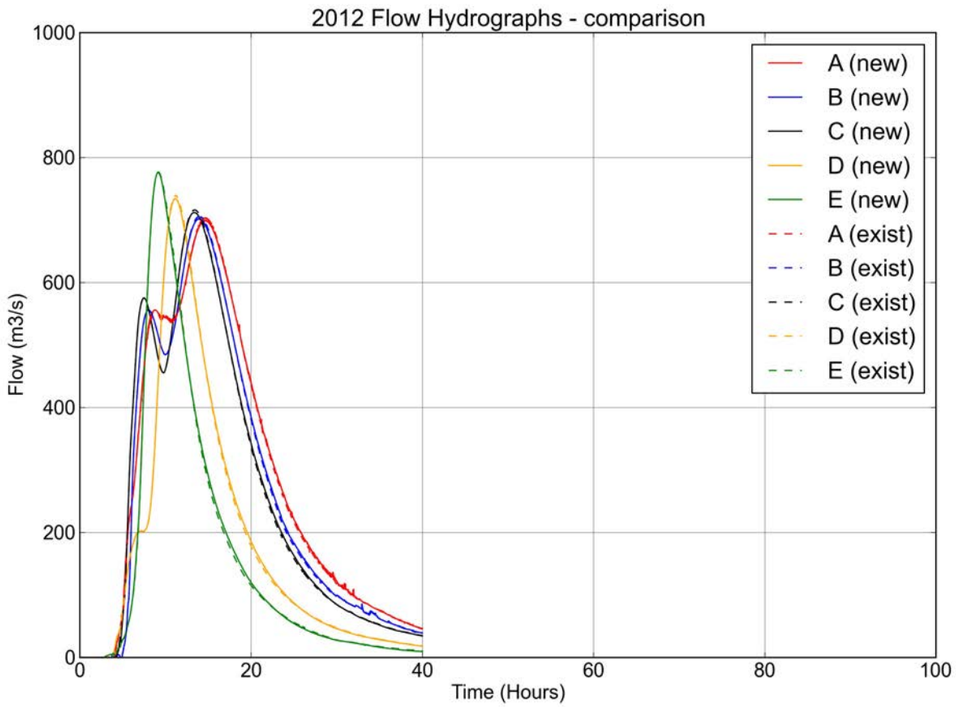


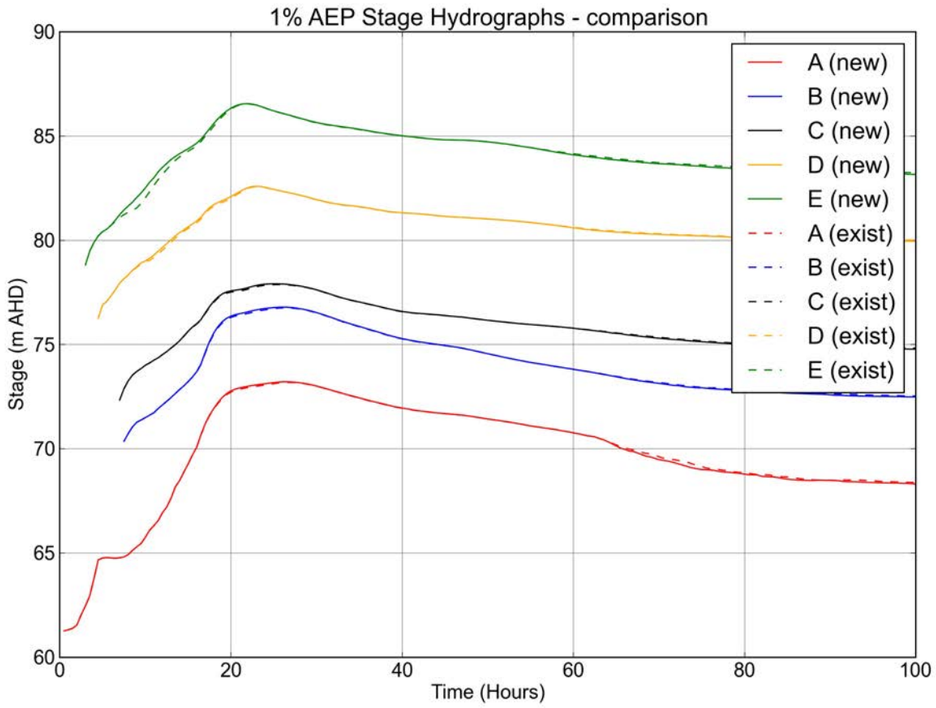
J:/Jobs/118074/plots/plot_locations.qgs

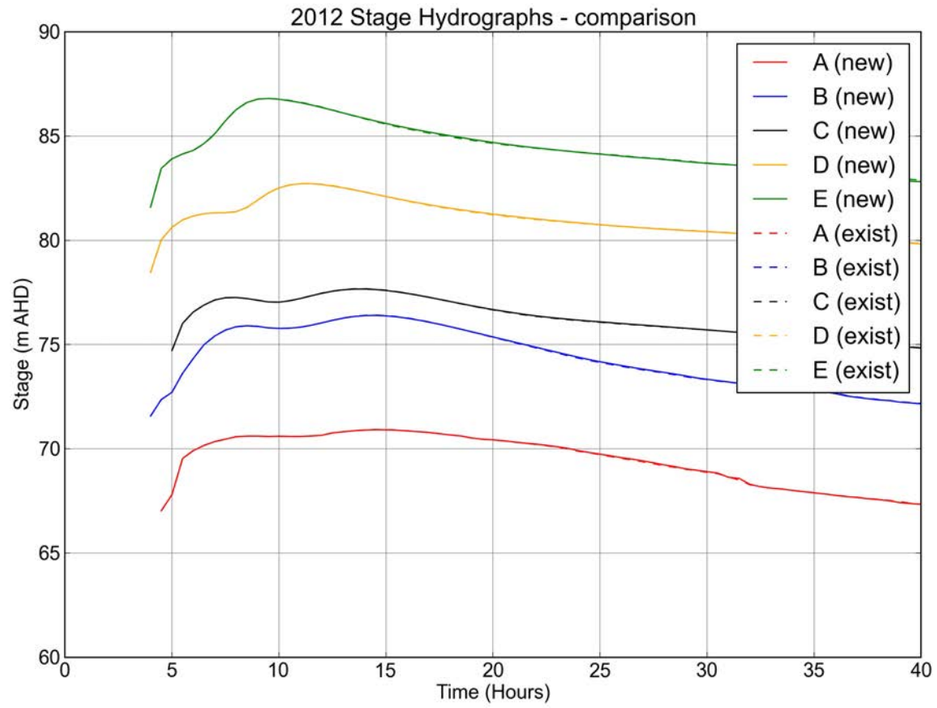
FIGURE B2

Stage and Flow Hydrographs
New Spillway vs Existing Spillway



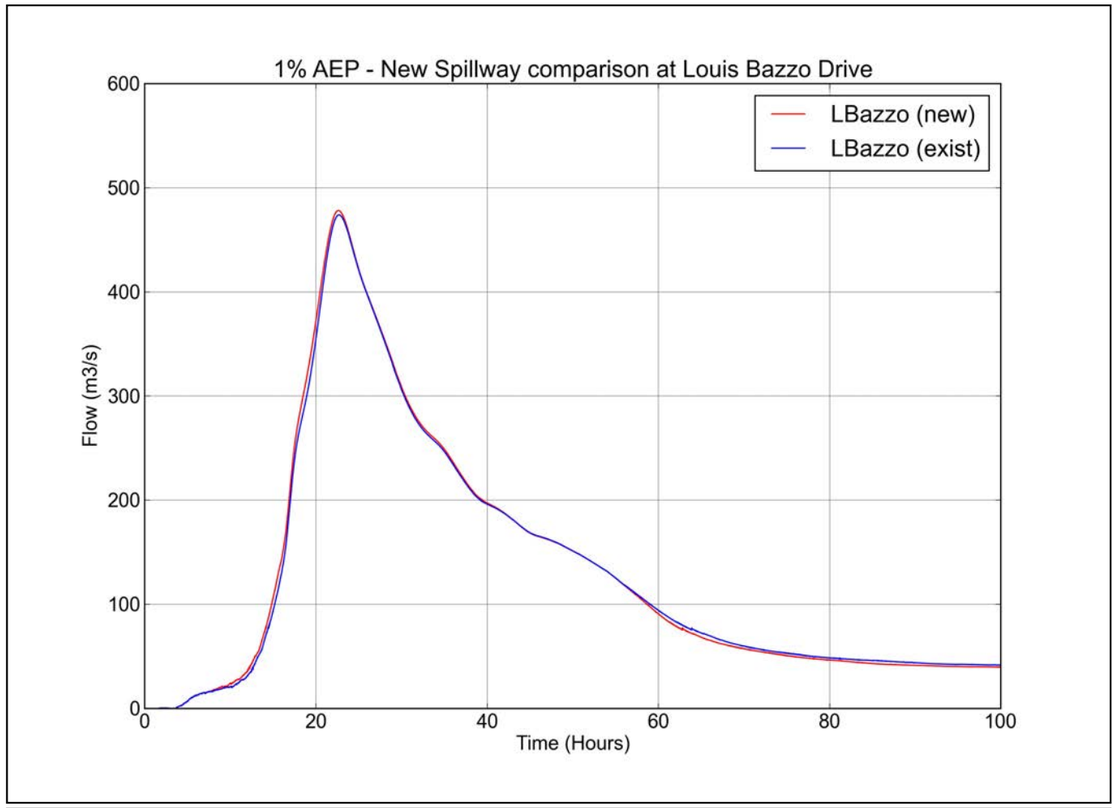


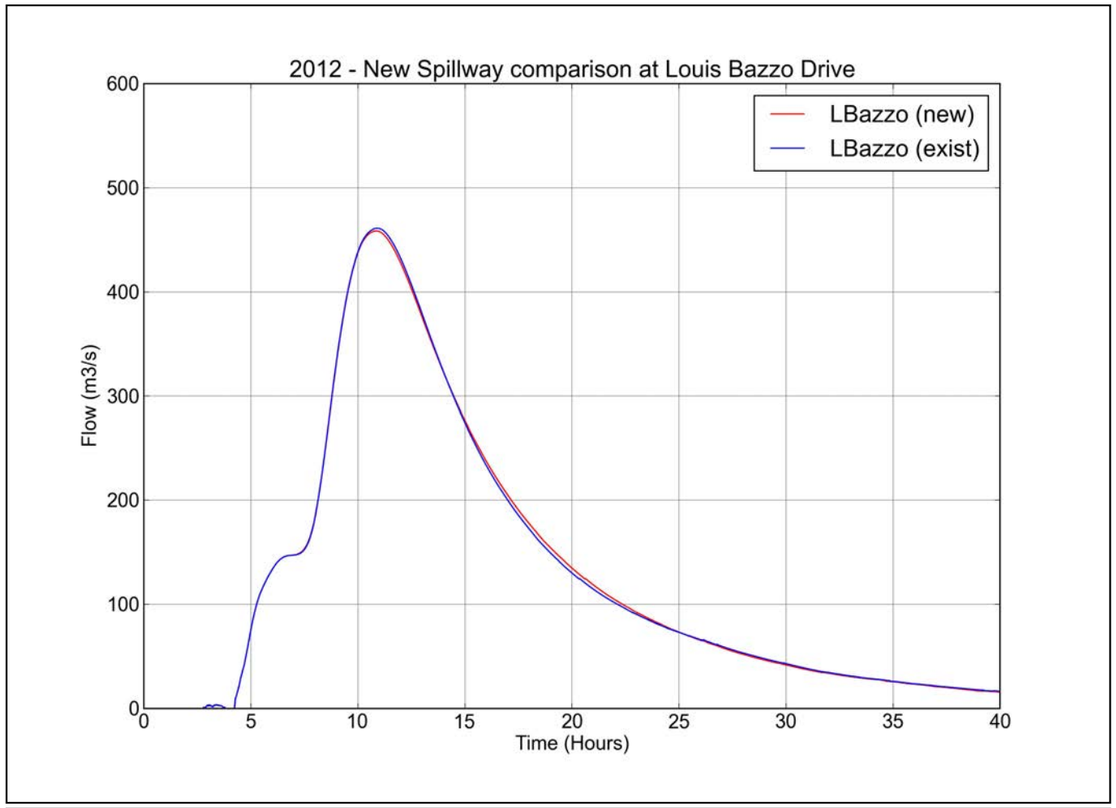


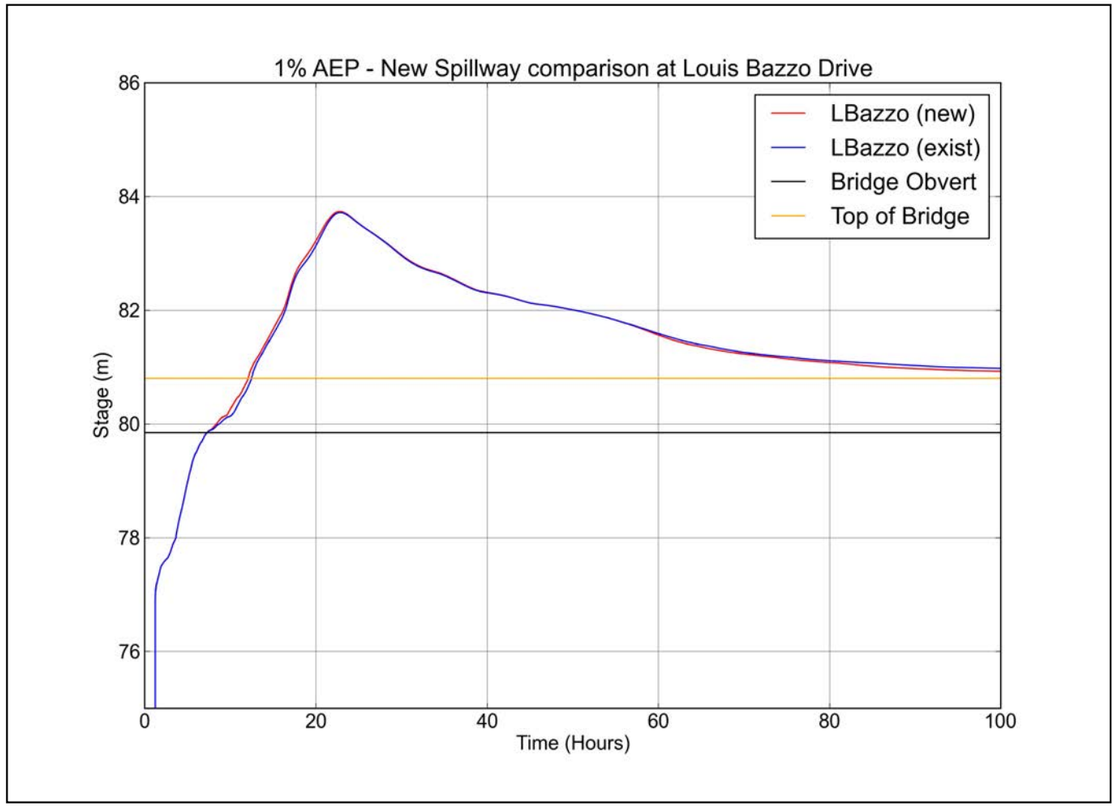


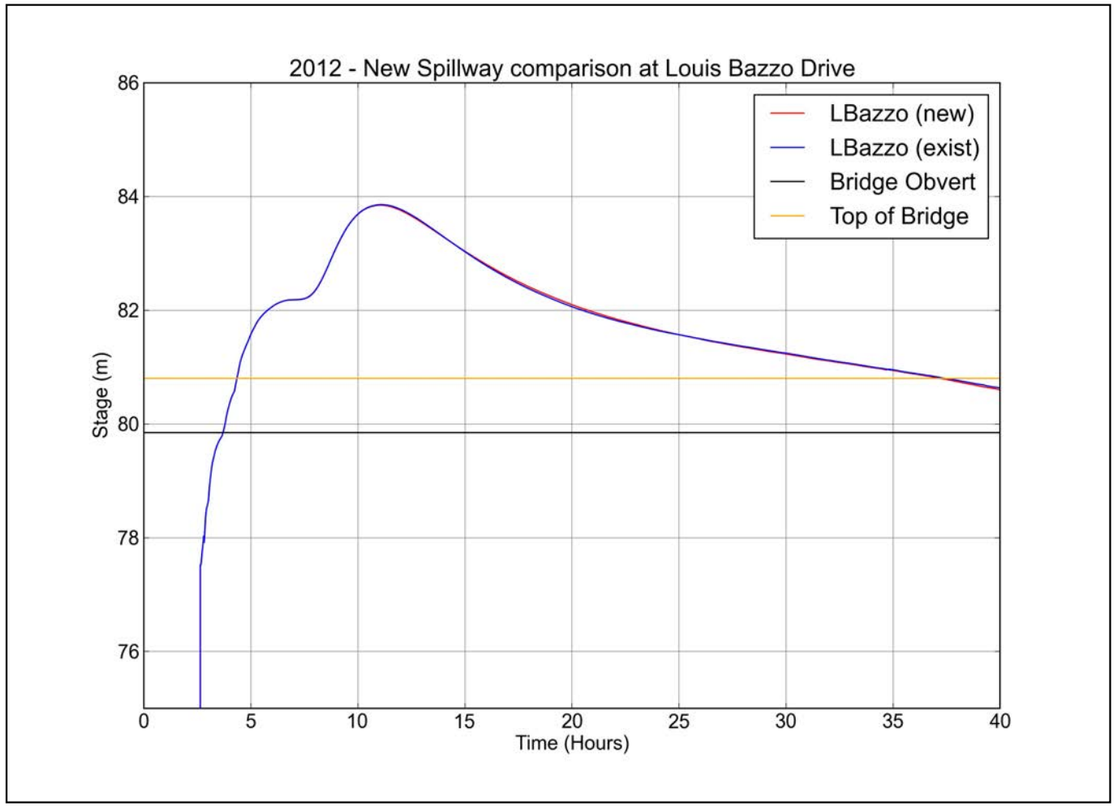
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE B3
Stage and Flow Hydrographs
New Spillway vs Existing Spillway



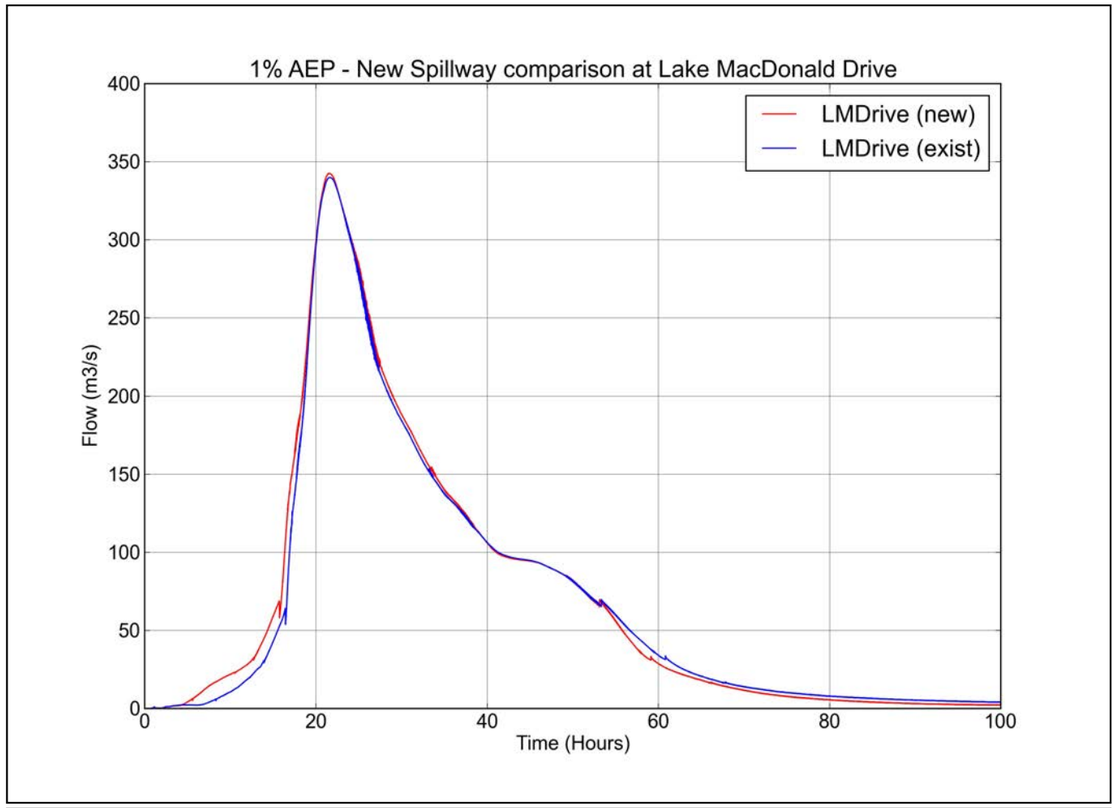


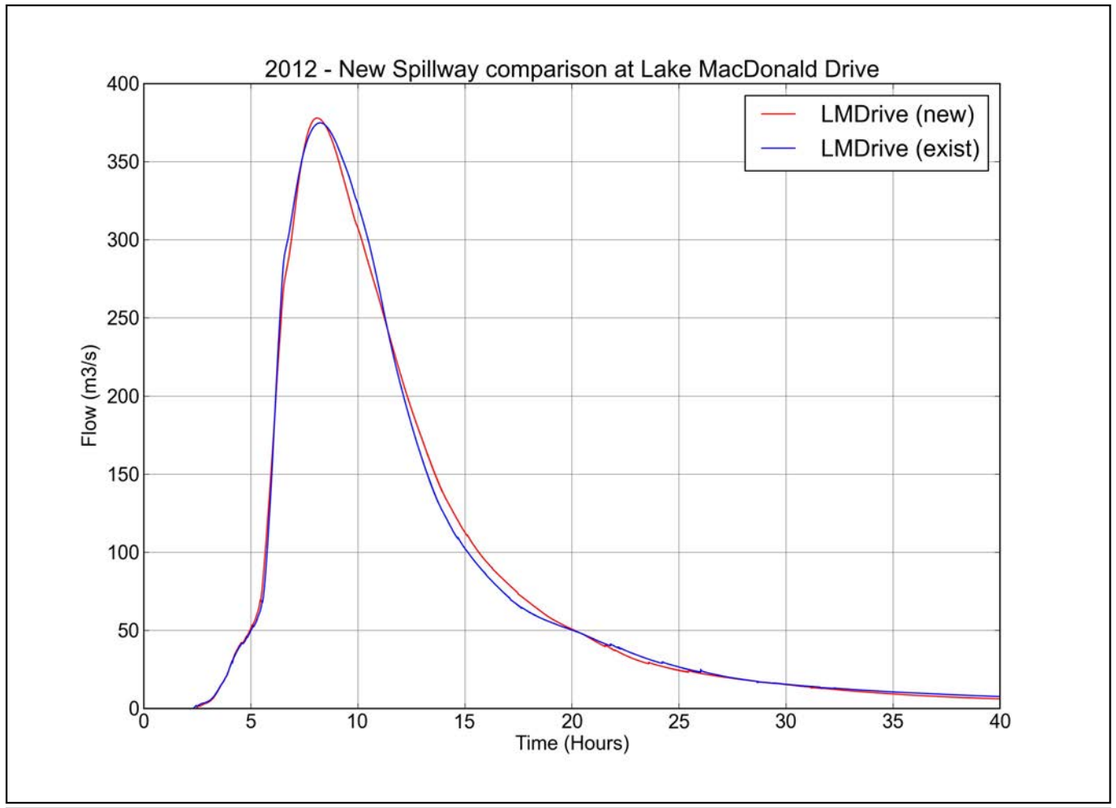


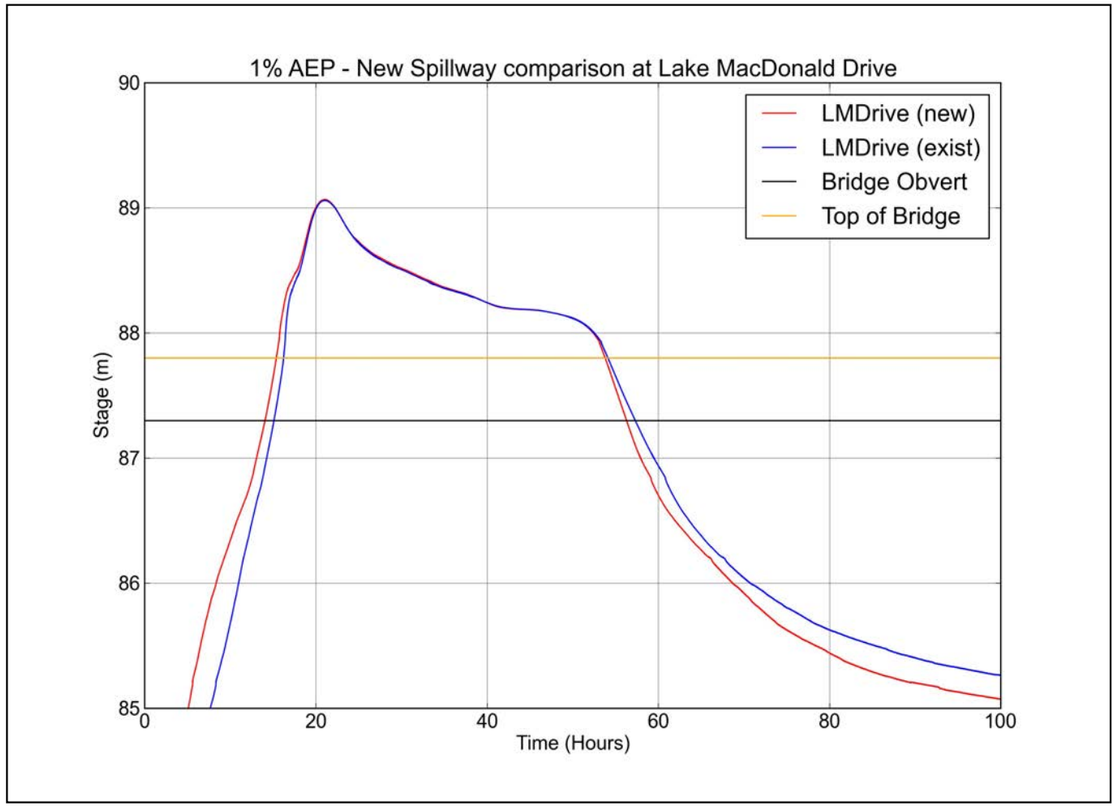


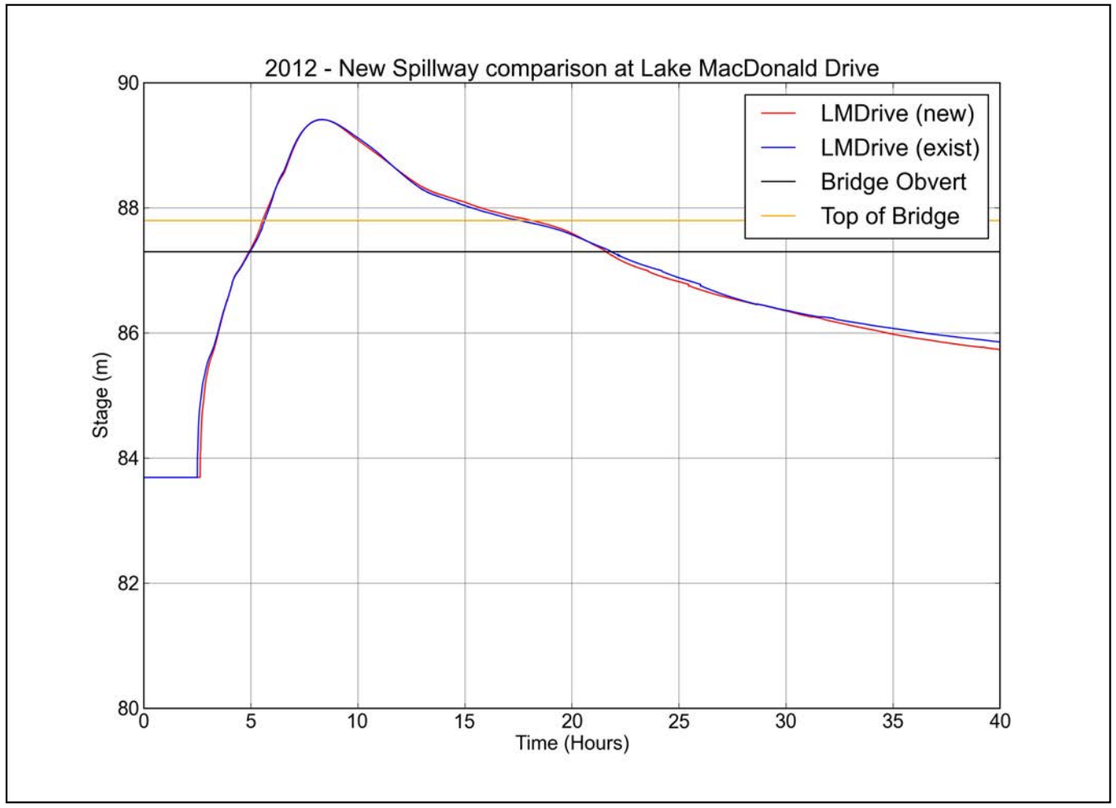
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE B4
Stage and Flow Hydrographs
New Spillway vs Existing Spillway



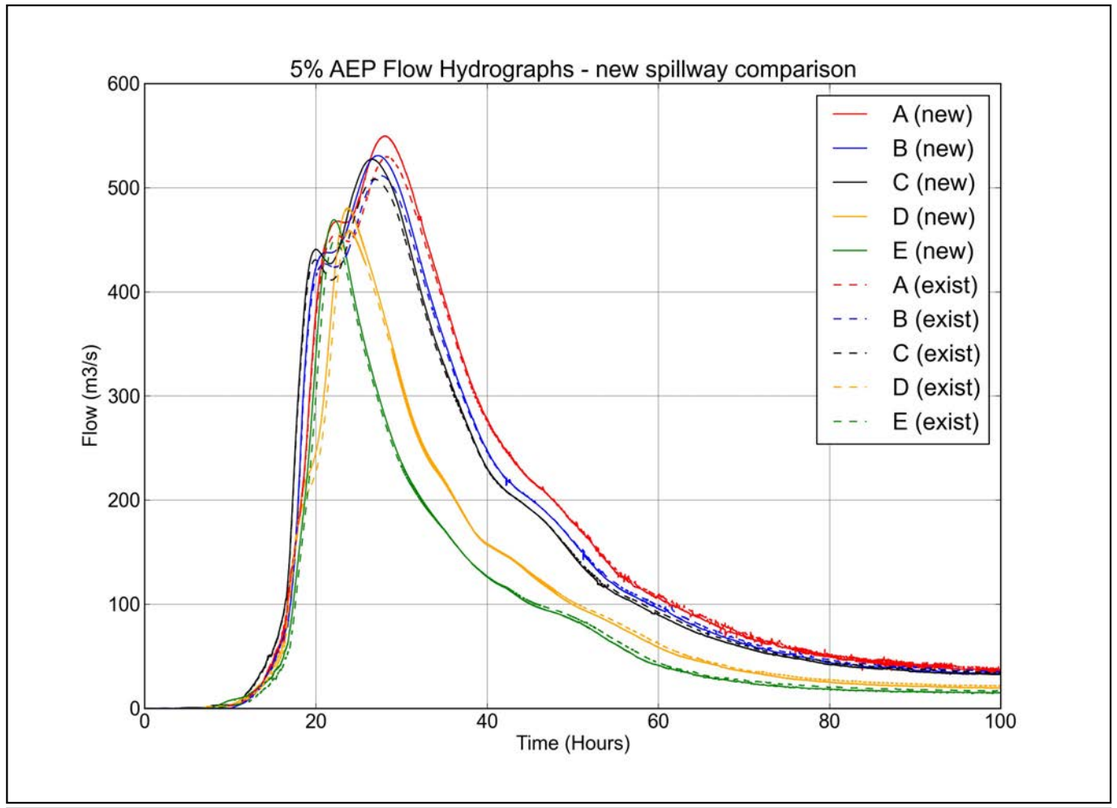


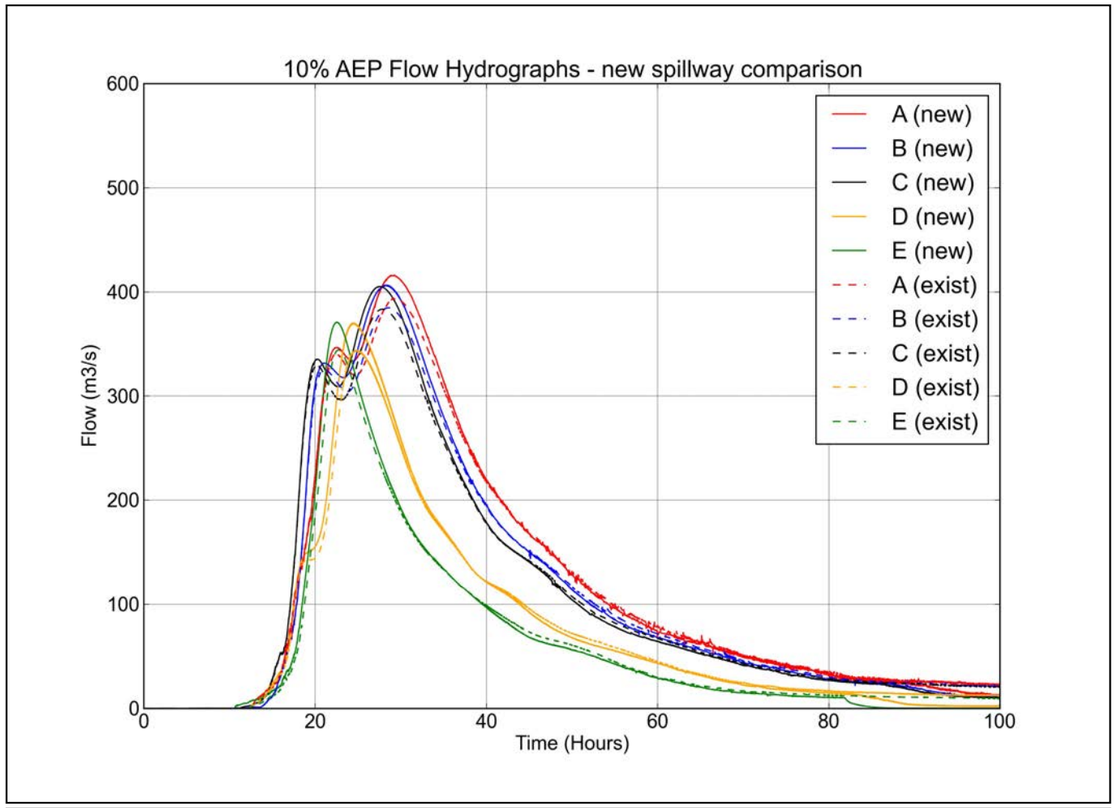


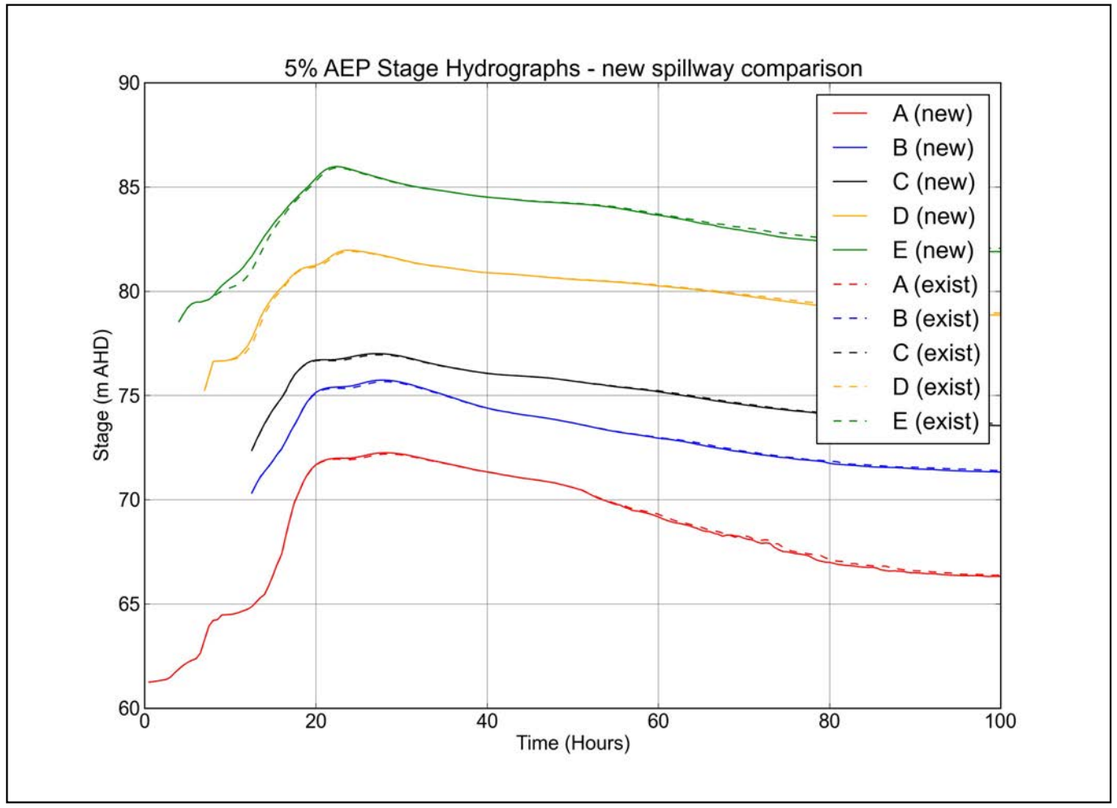


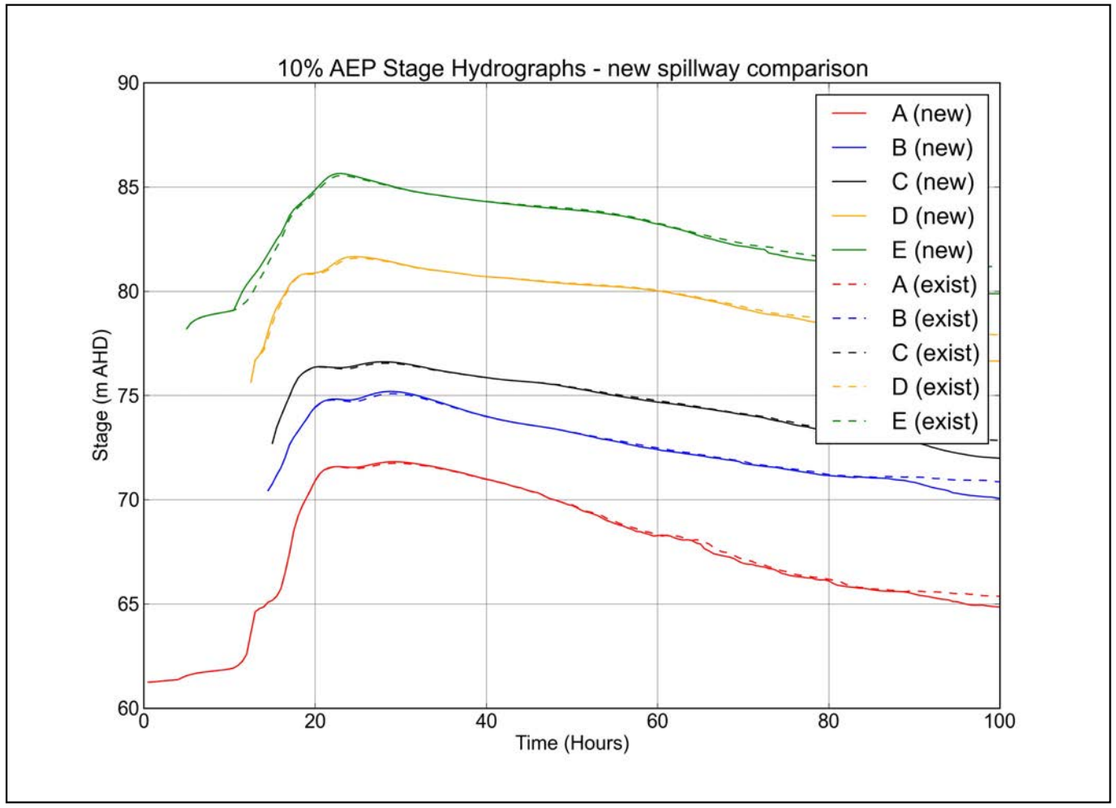
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE B5
Stage and Flow Hydrographs
New Spillway vs Existing Spillway



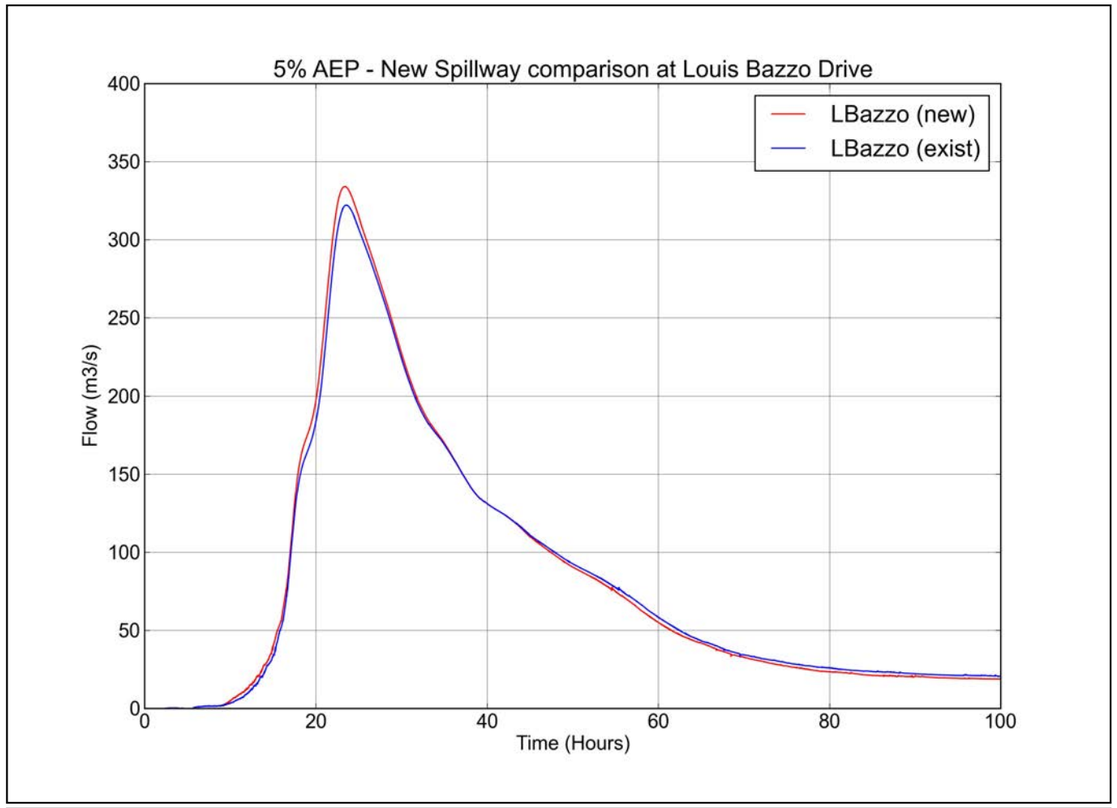


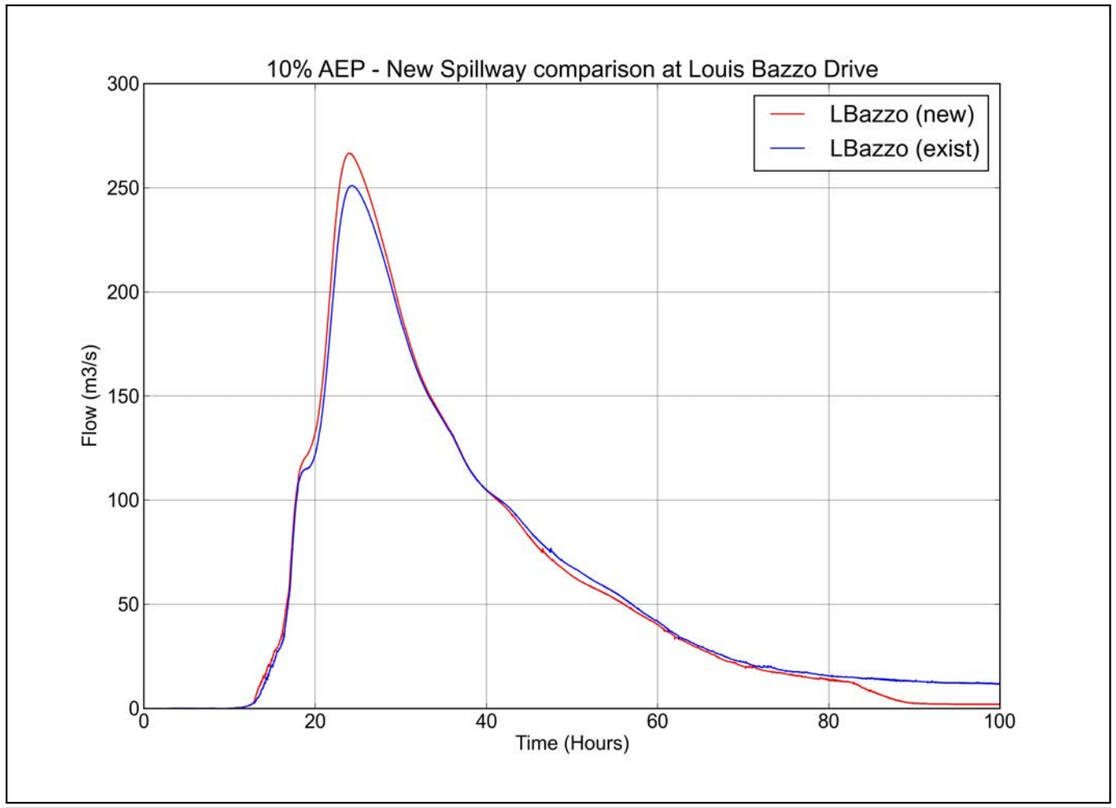


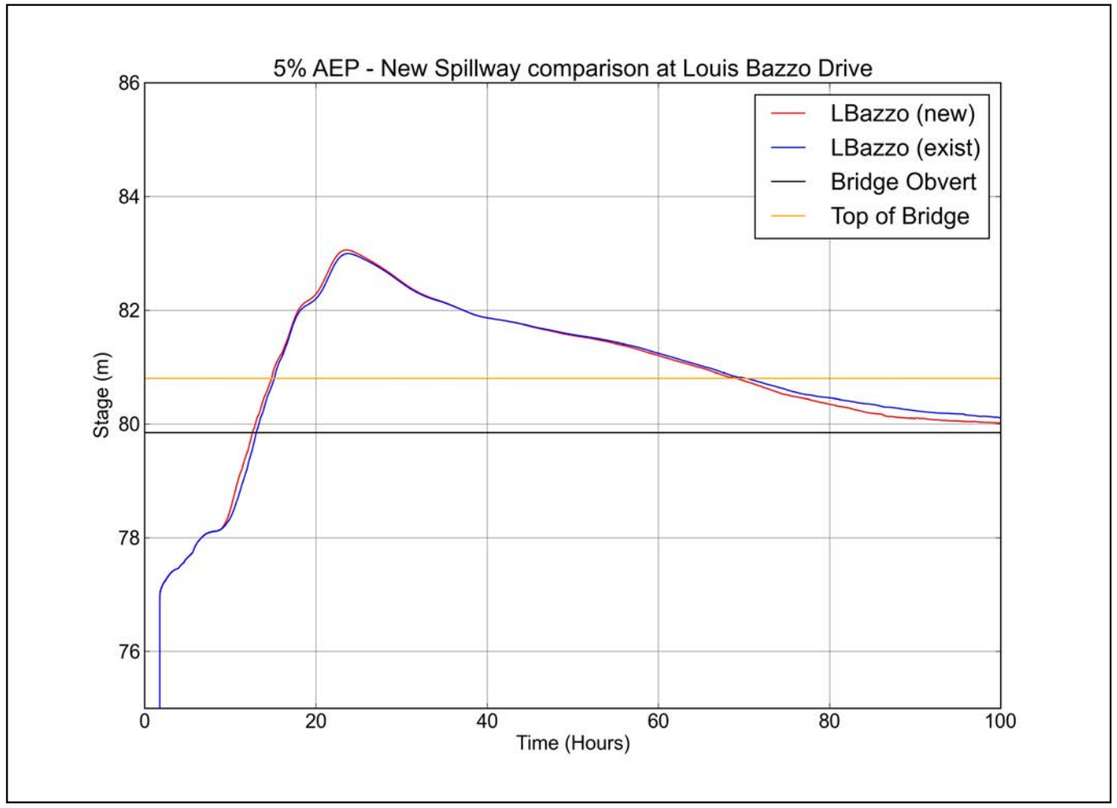


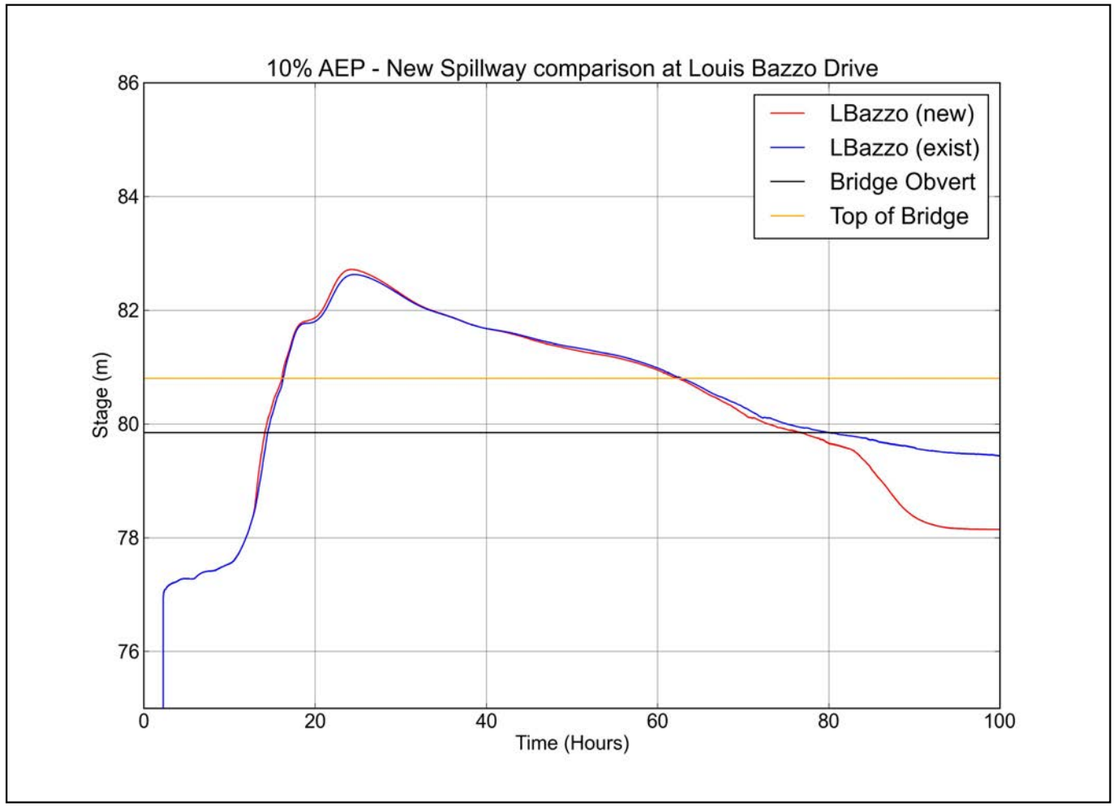
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE B6
Stage and Flow Hydrographs
New Spillway vs Existing Spillway



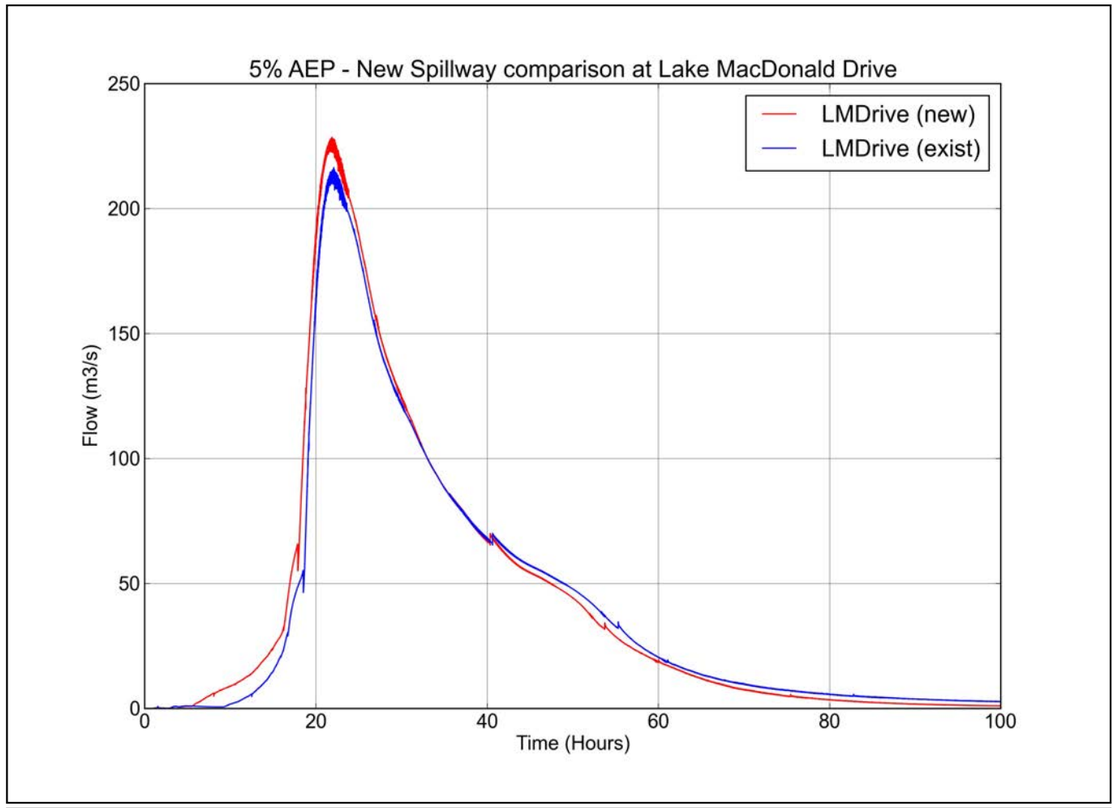


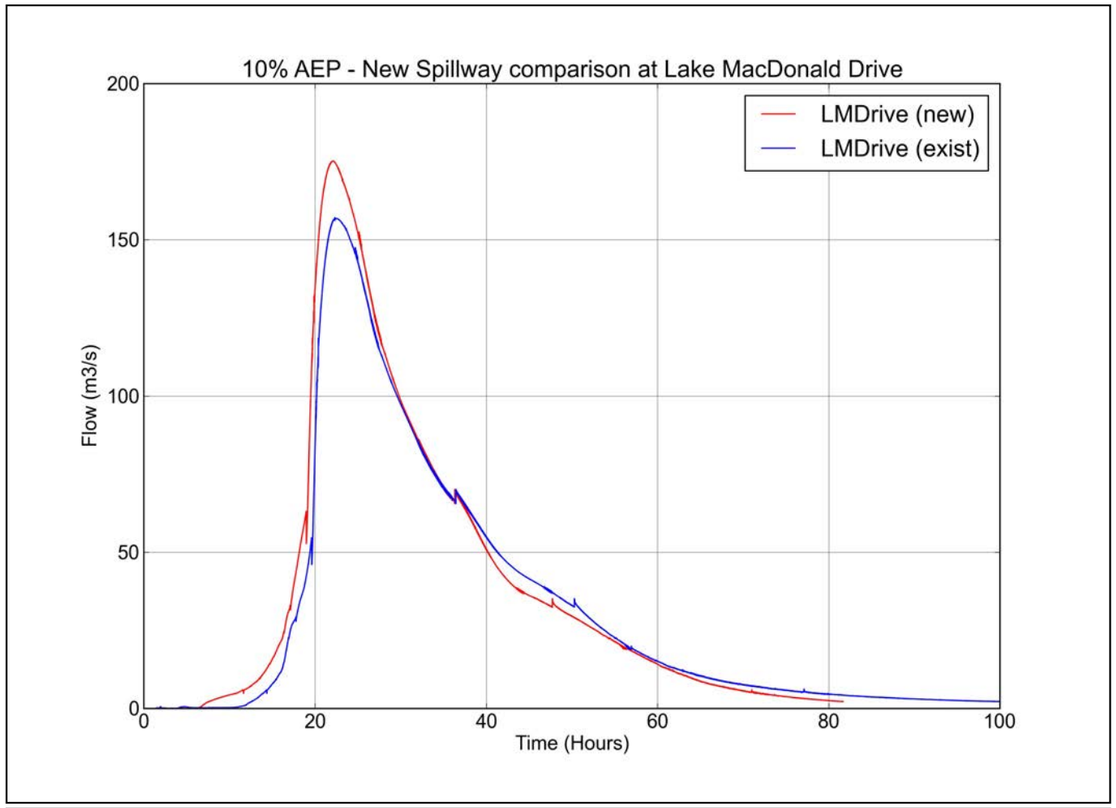


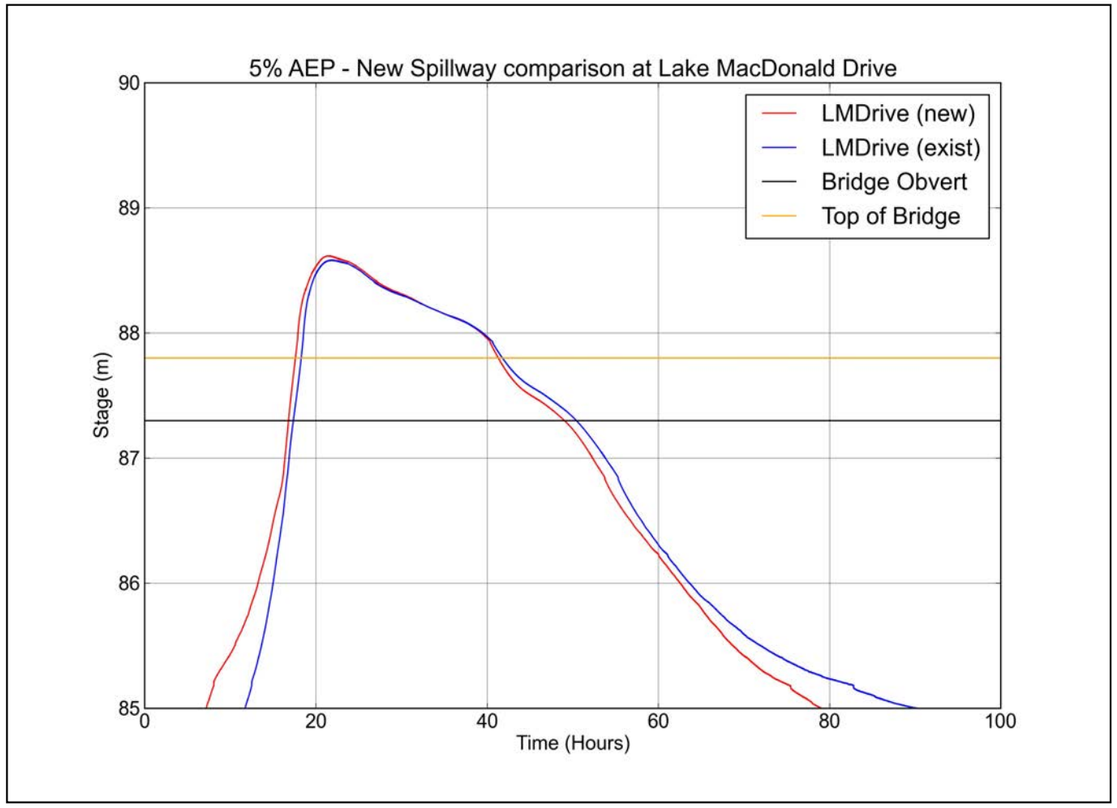


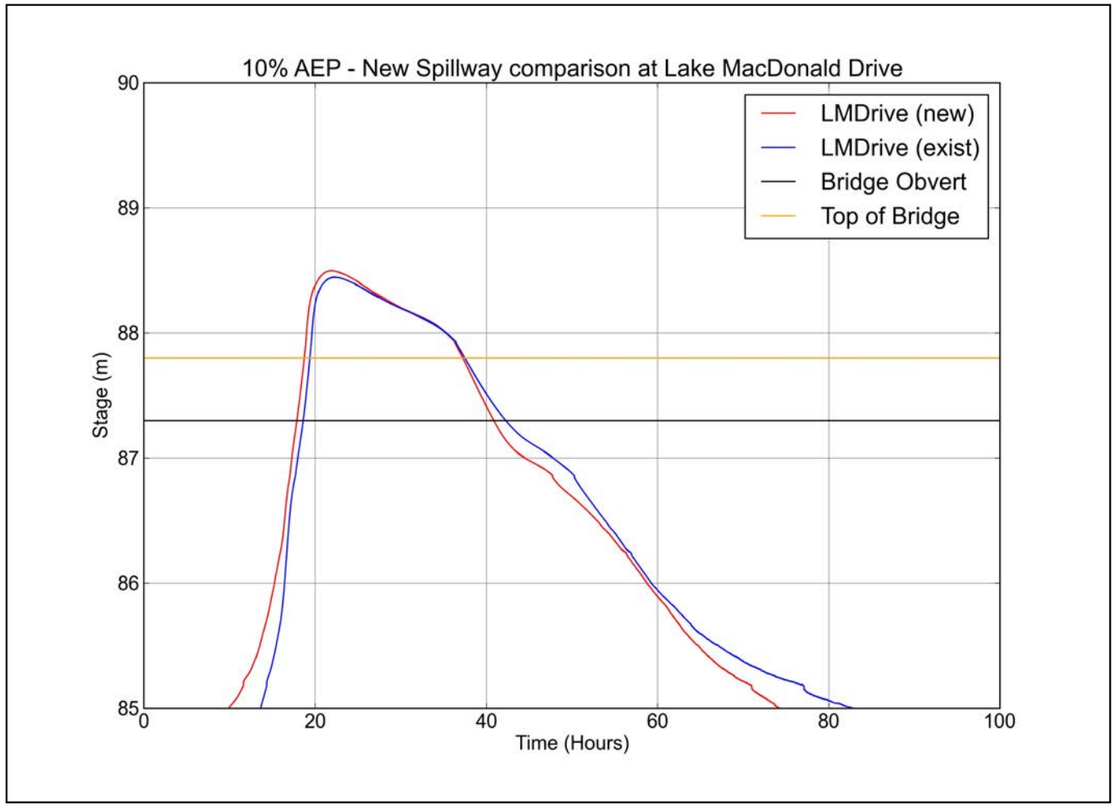
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE B7
Stage and Flow Hydrographs
New Spillway vs Existing Spillway



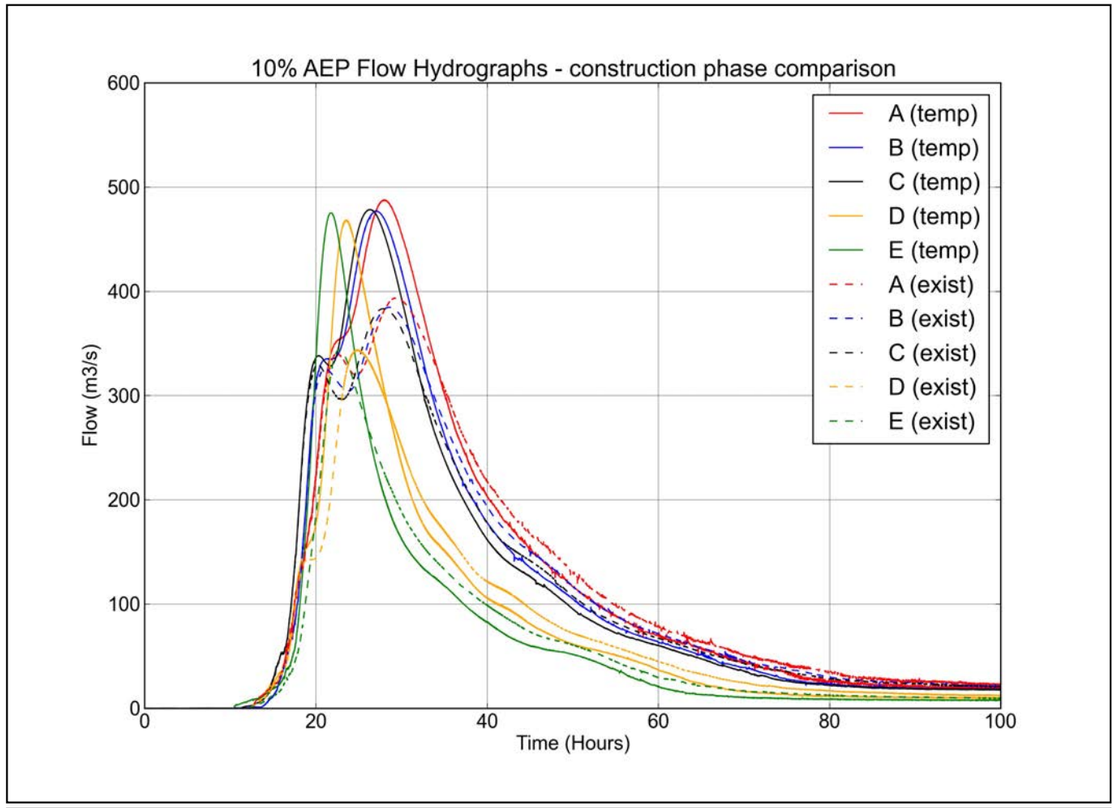


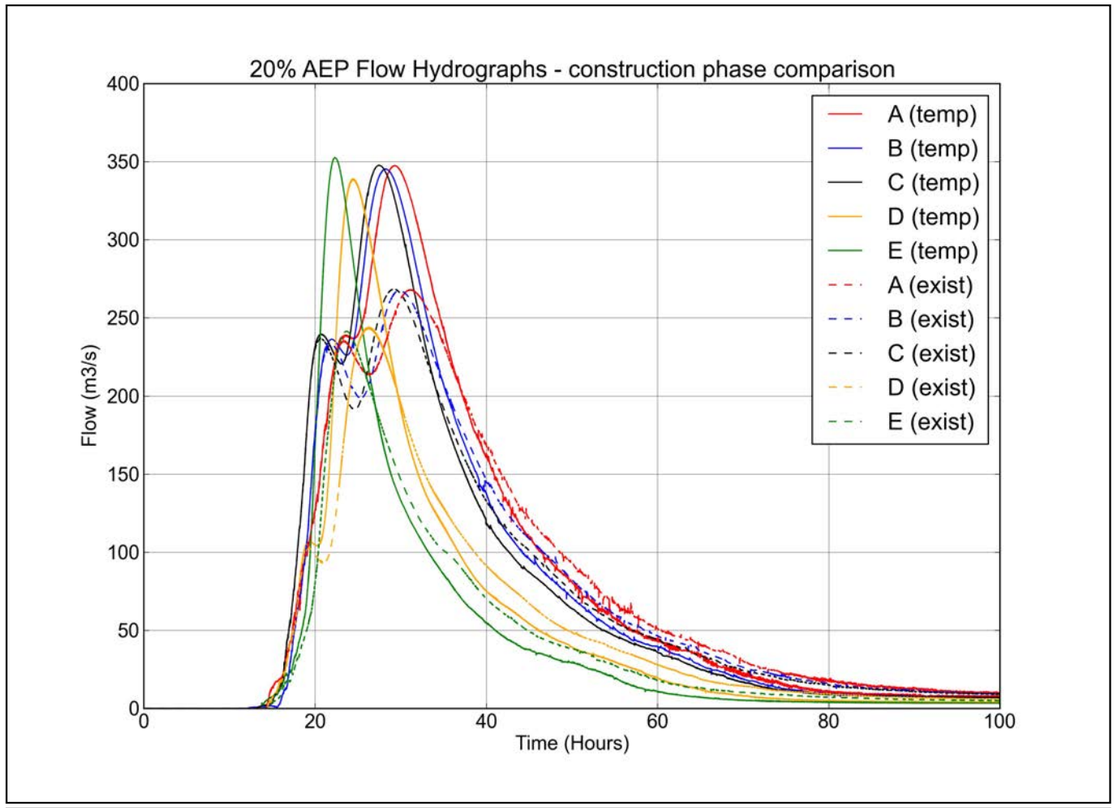


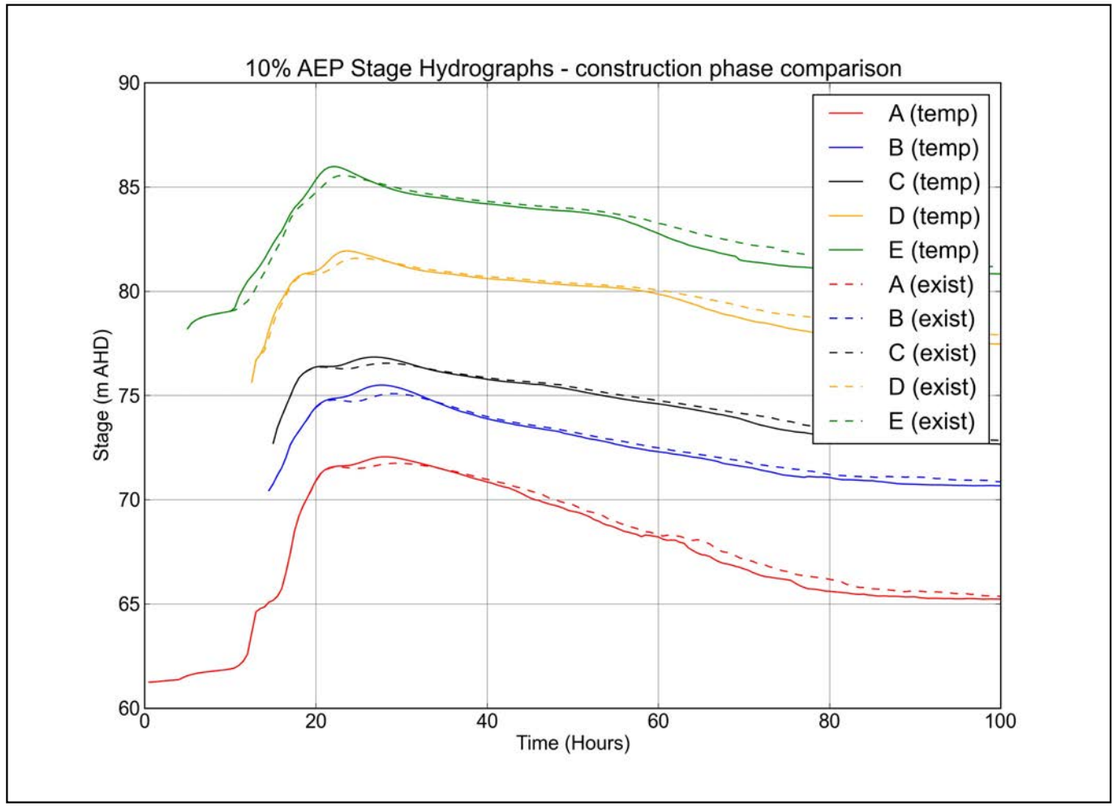


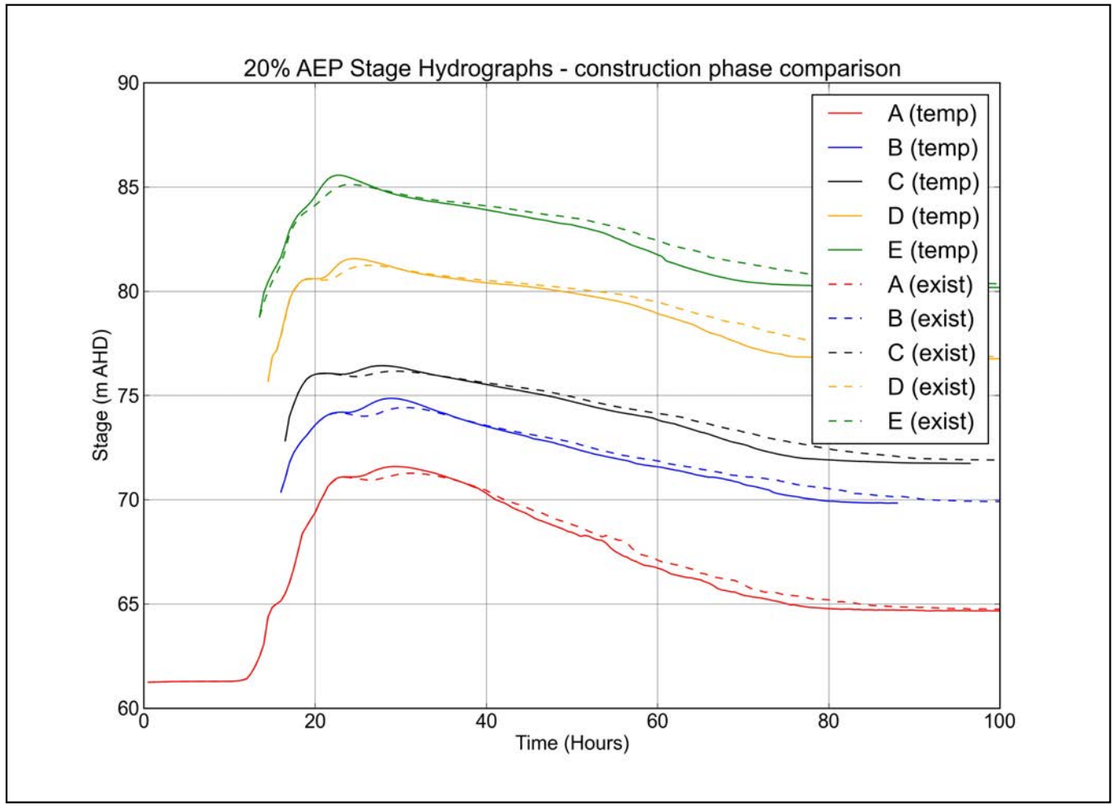
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE C1
Stage and Flow Hydrographs
Construction Phase vs Existing Spillway



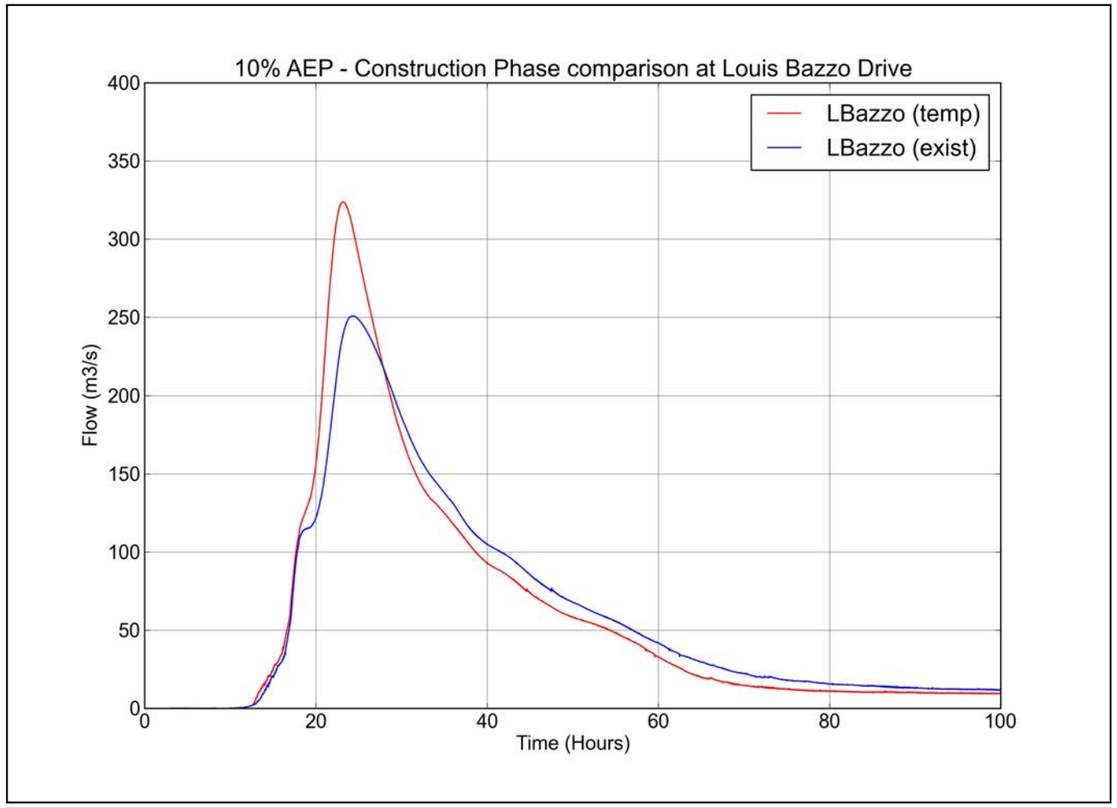


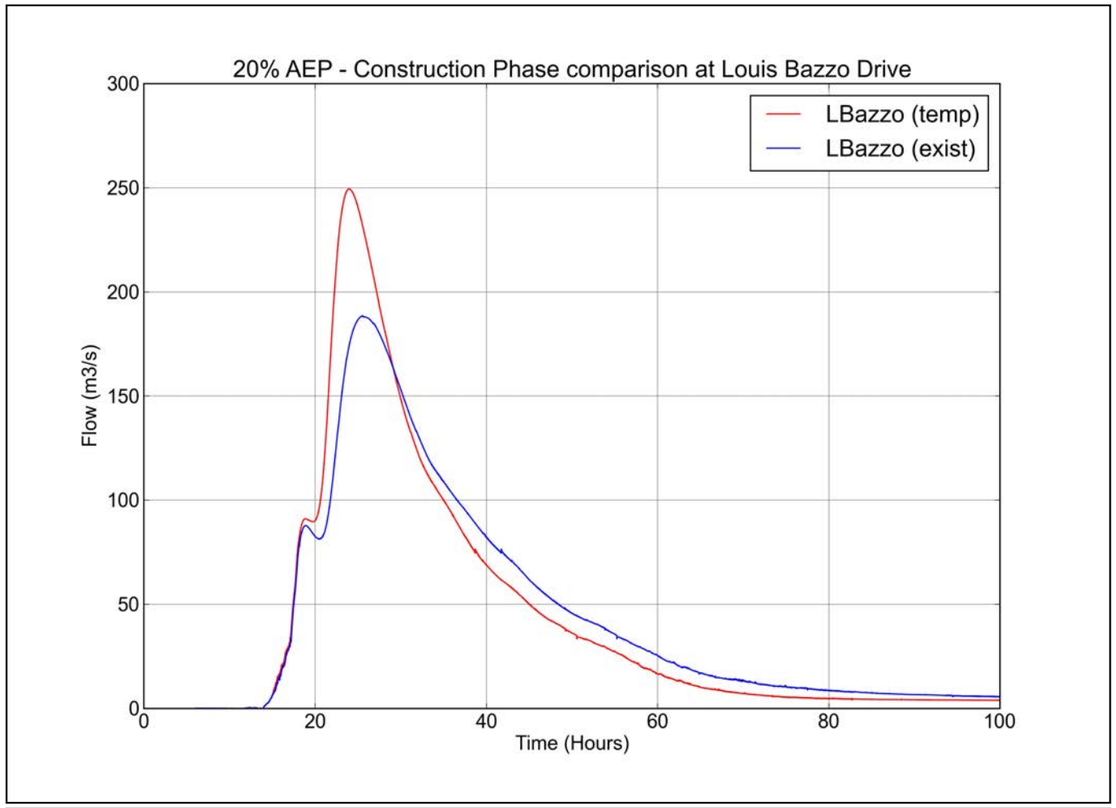


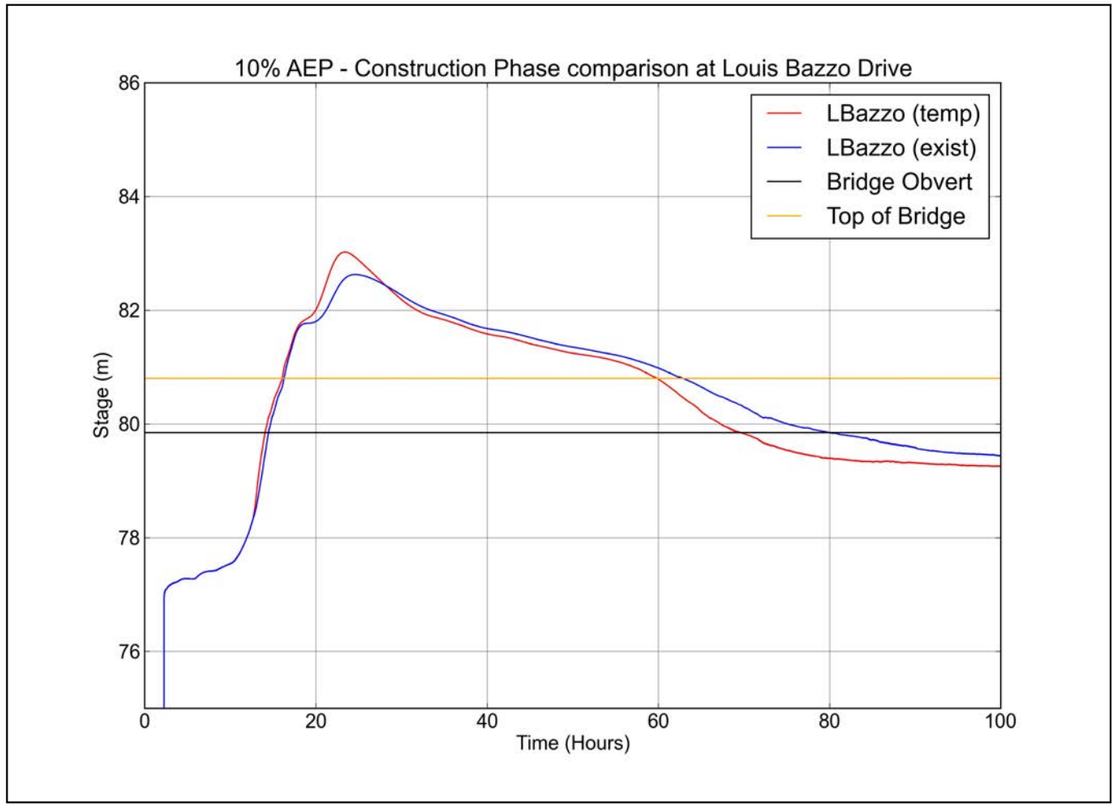


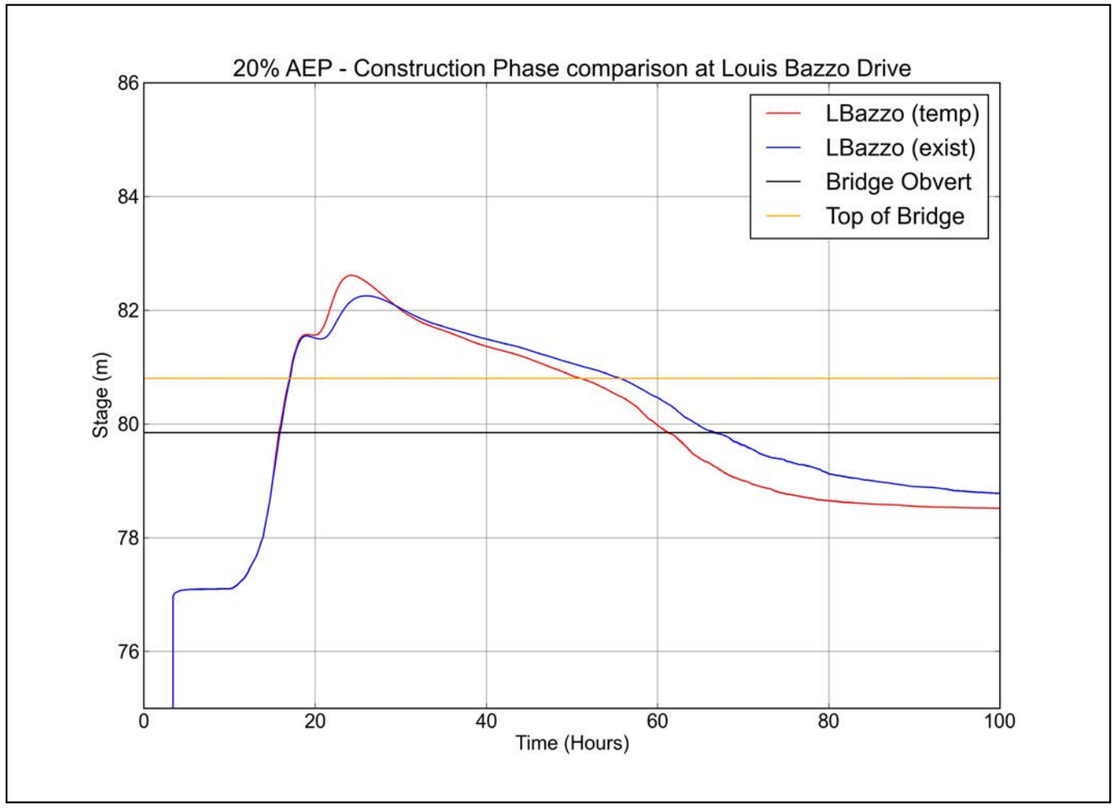
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE C2
Stage and Flow Hydrographs
Construction Phase vs Existing Spillway



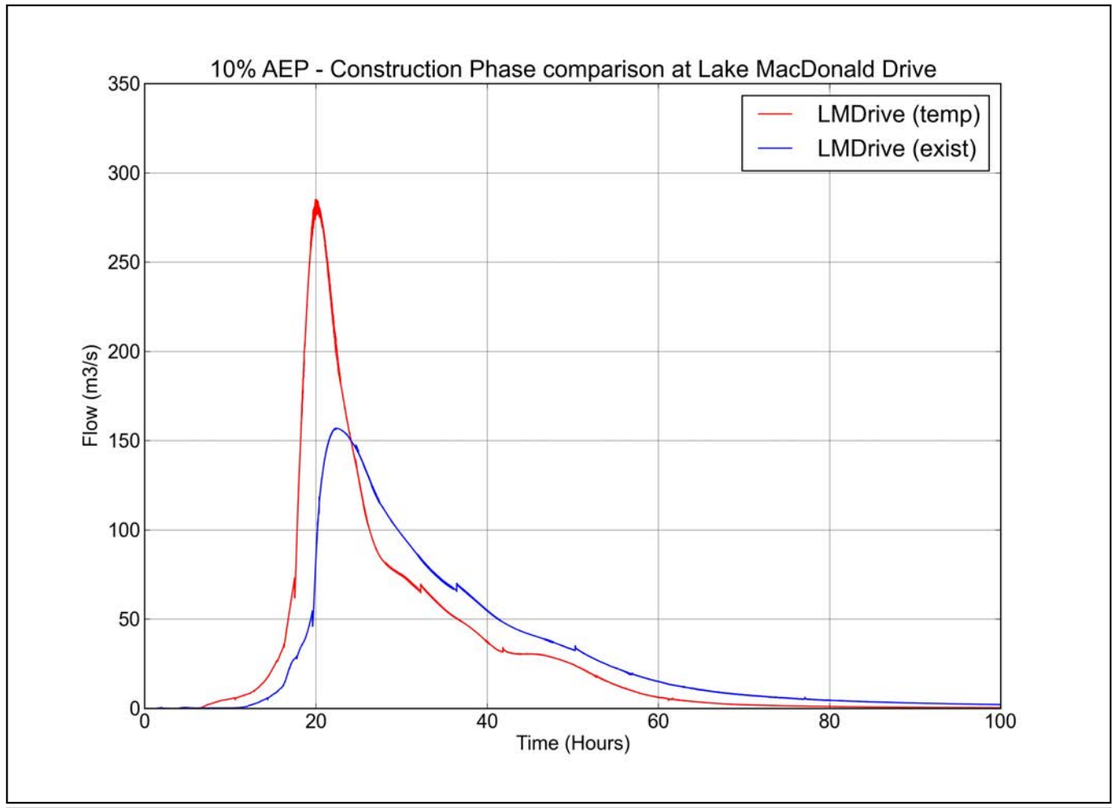


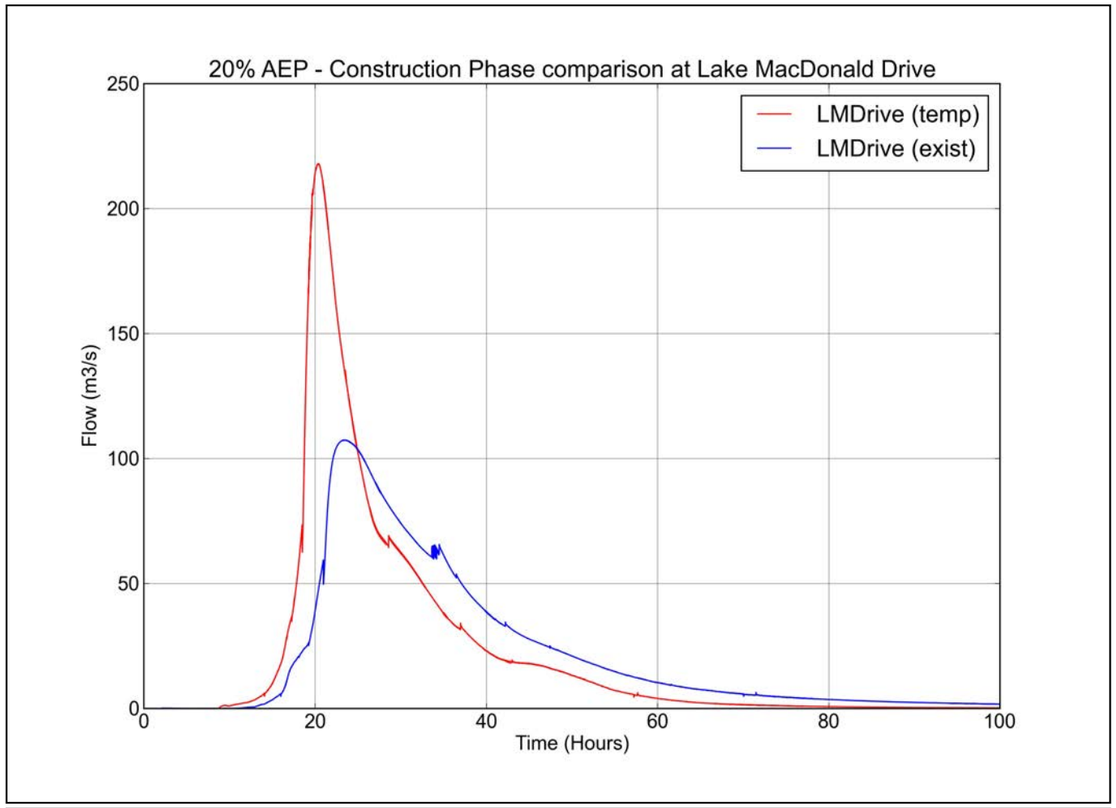


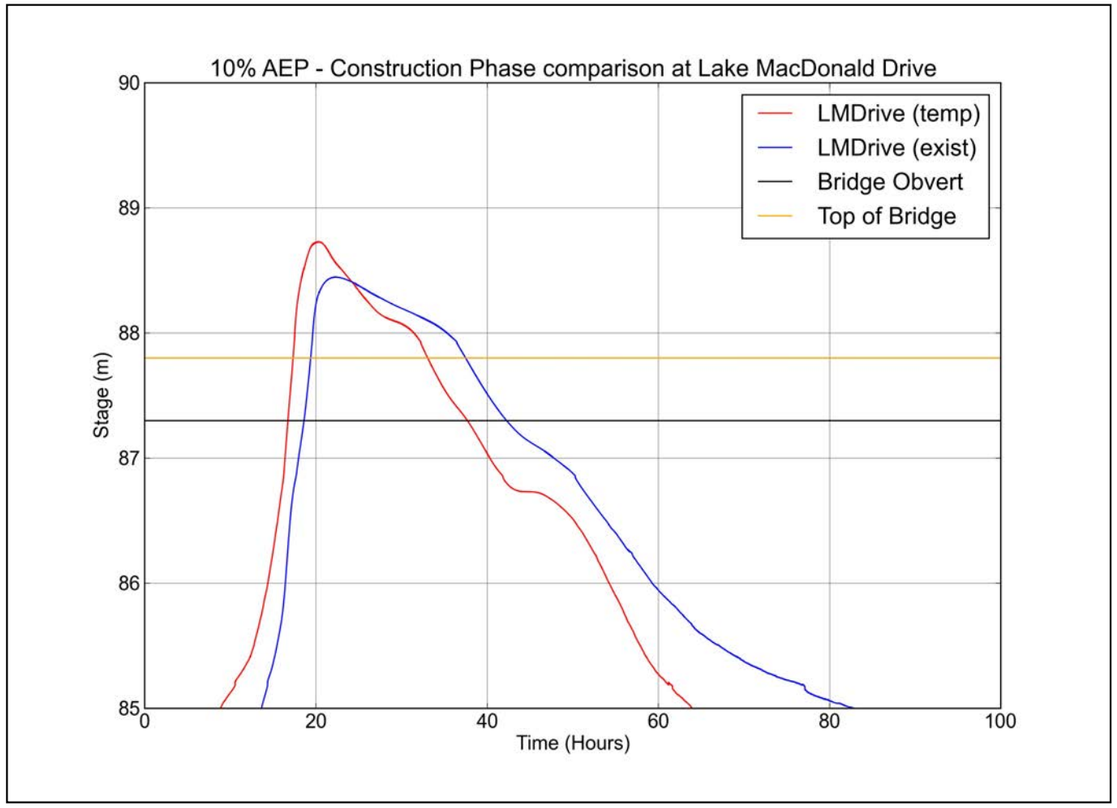


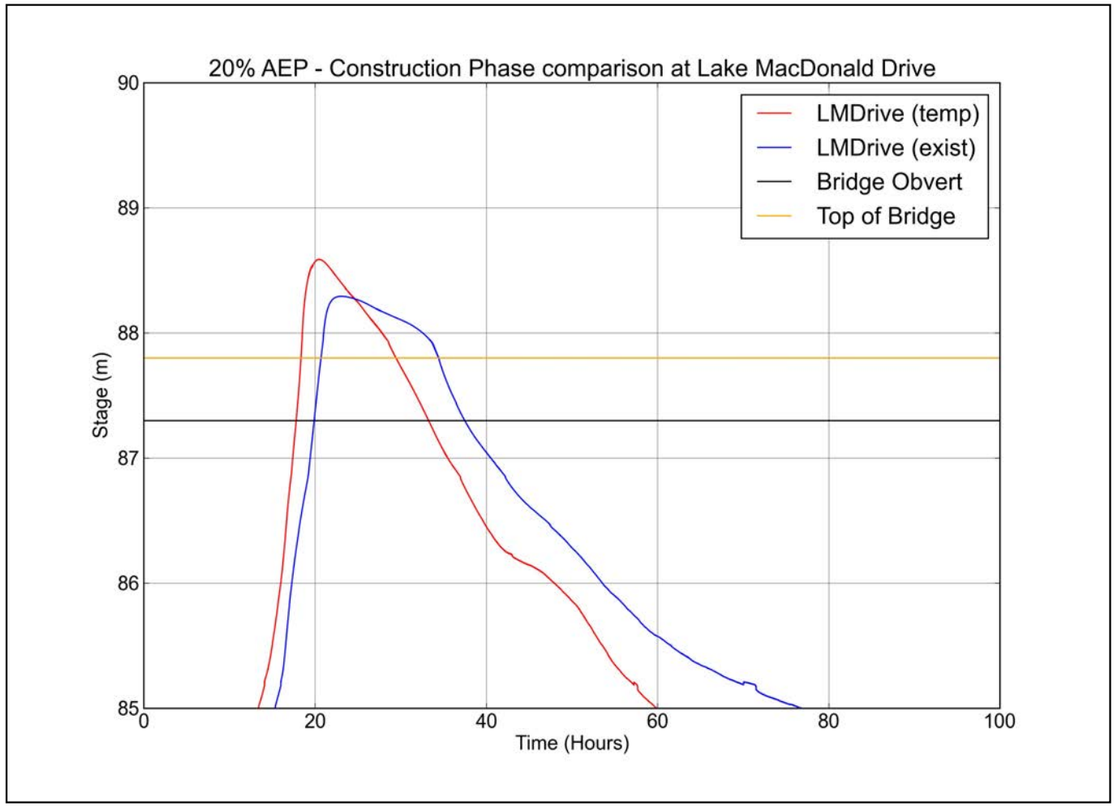
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE C3
Stage and Flow Hydrographs
Construction Phase vs Existing Spillway



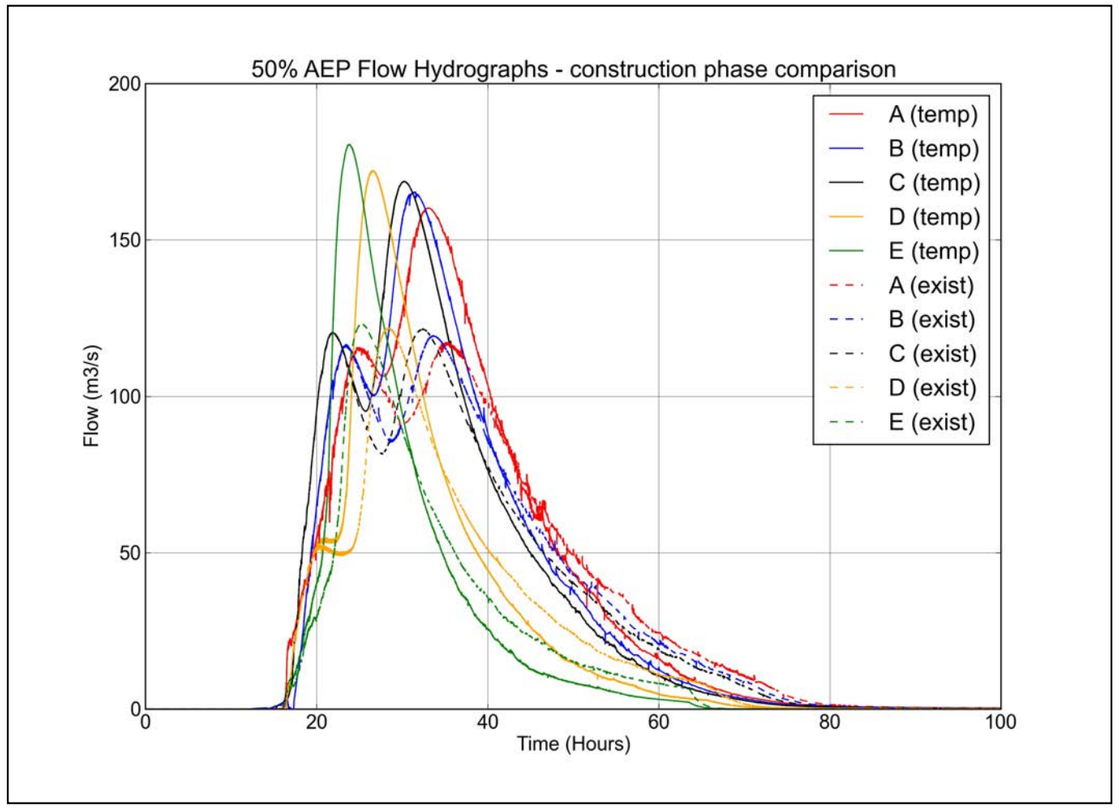


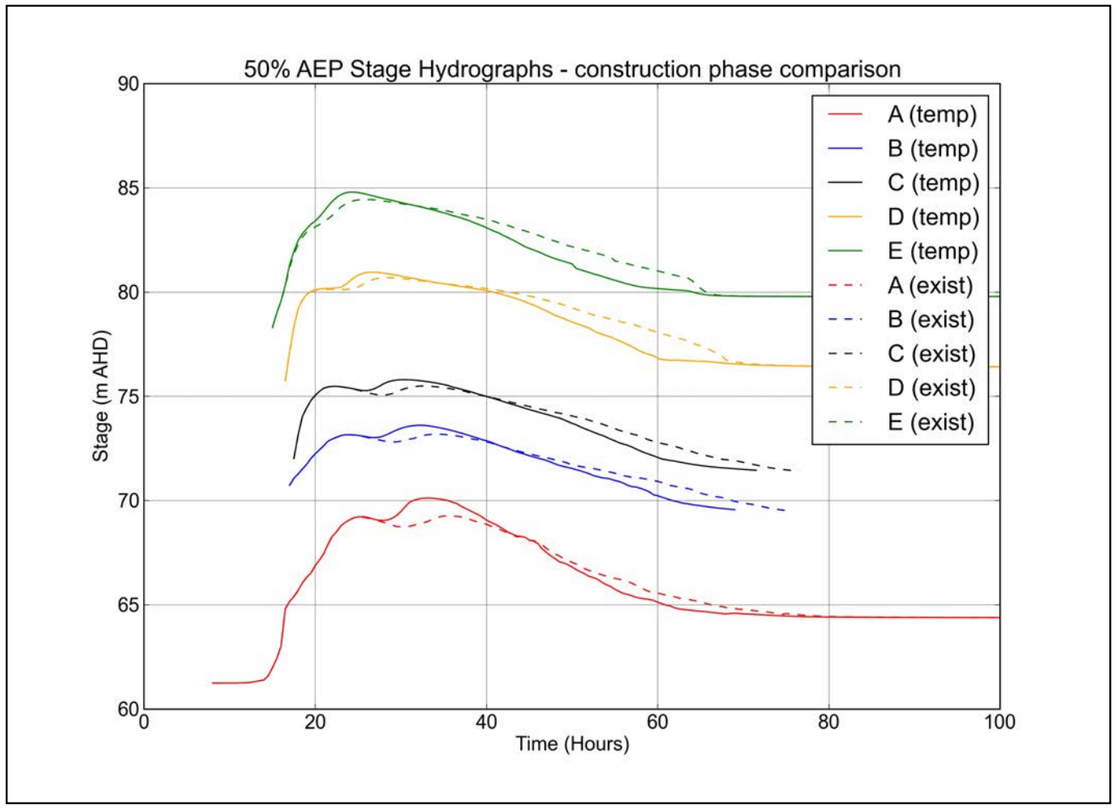




J:/Jobs/118074/plots/plot_locations.qgs

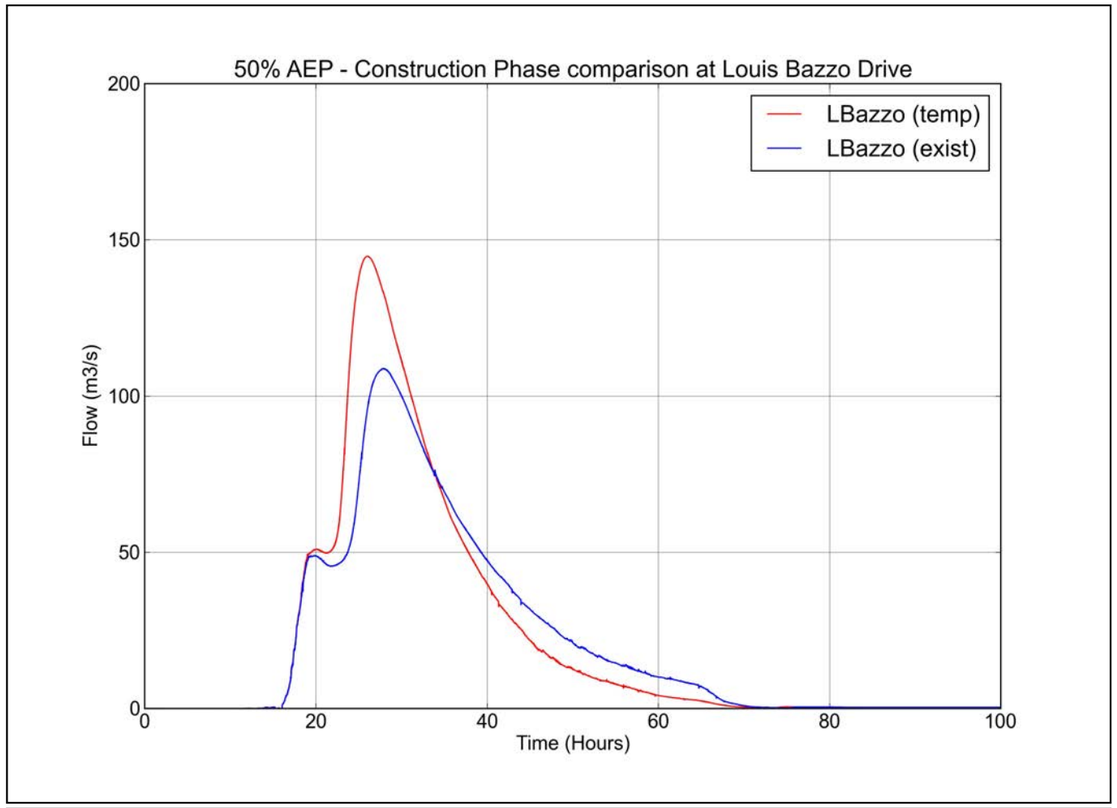
FIGURE C4
Stage and Flow Hydrographs
Construction Phase vs Existing Spillway

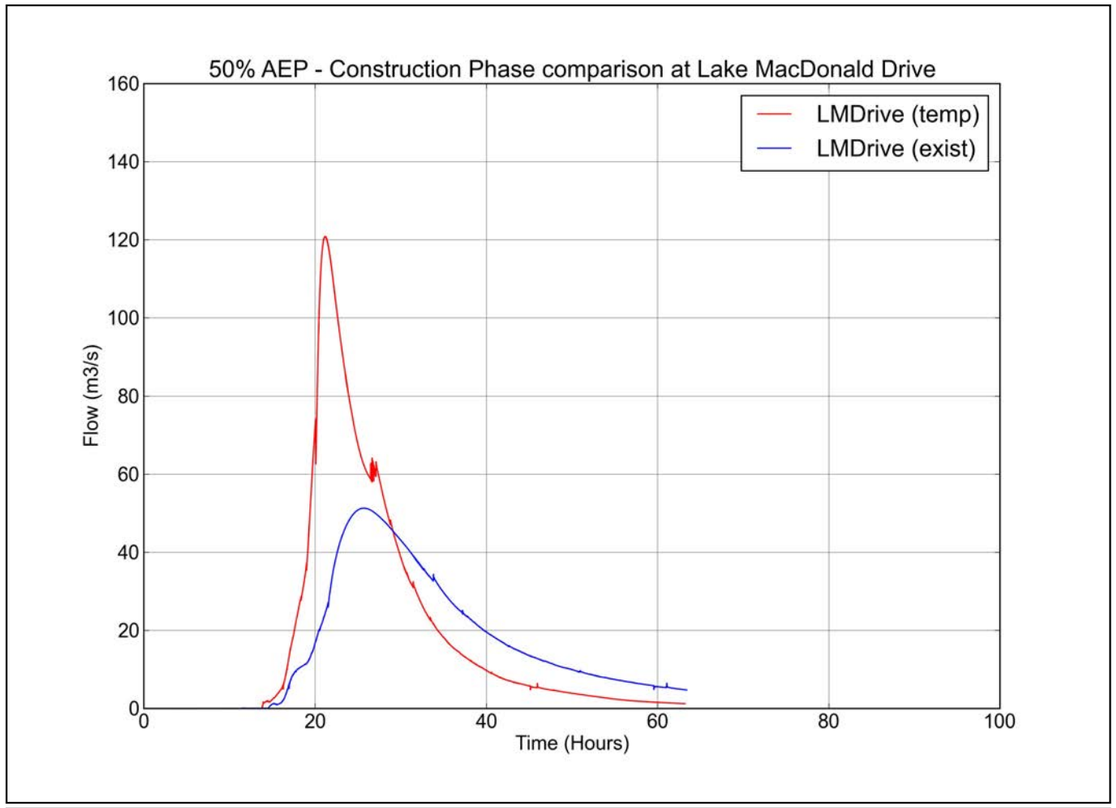


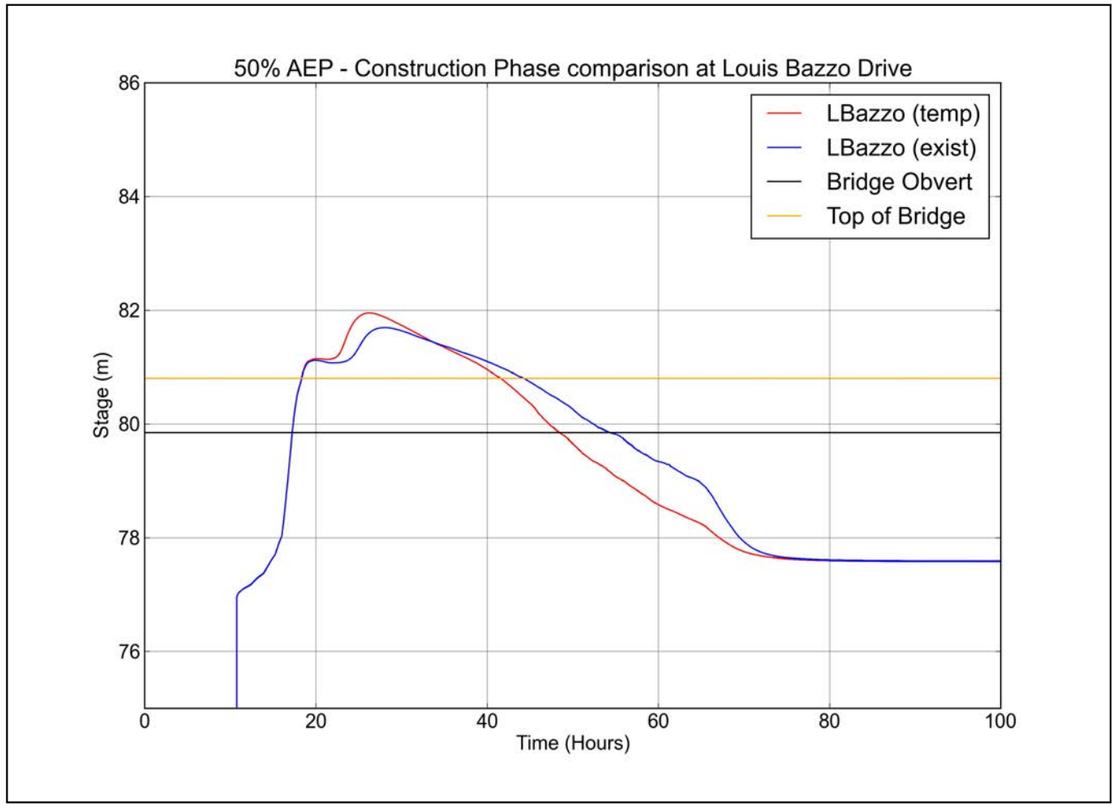


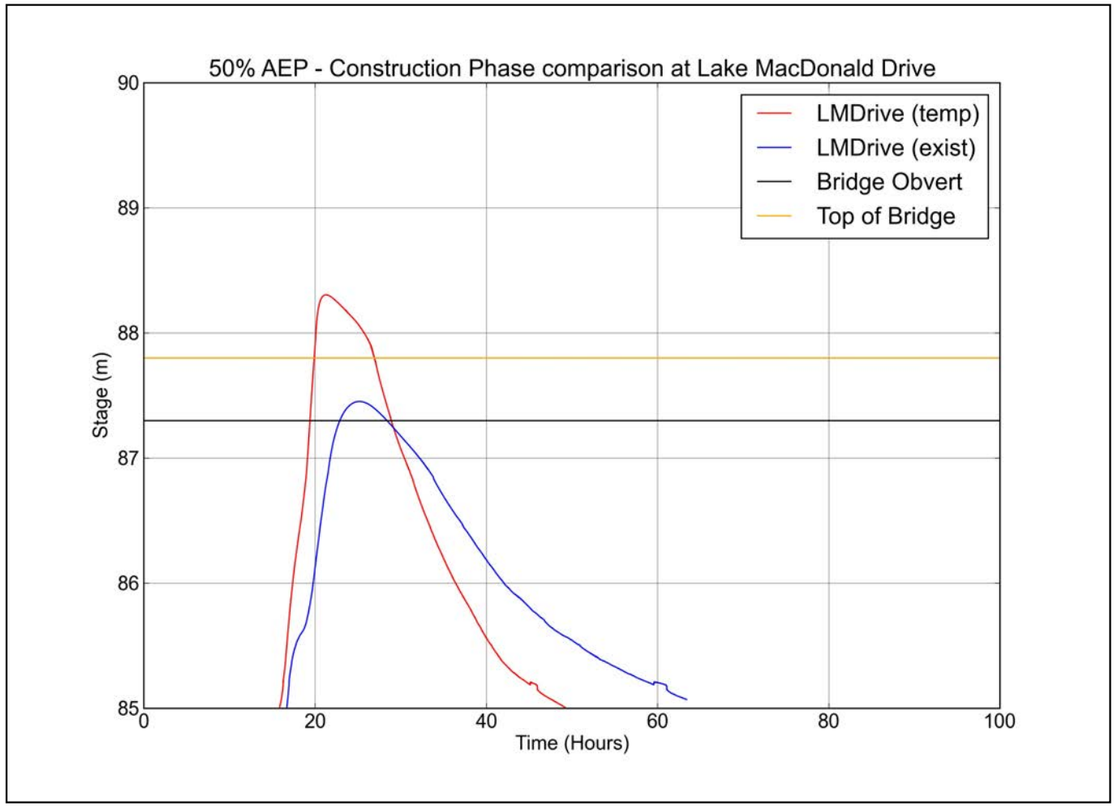
J:/Jobs/118074/plots/plot_locations.qgs

FIGURE C5
Stage and Flow Hydrographs
Construction Phase vs Existing Spillway









J:/Jobs/118074/plots/plot_locations.qgs