

APPENDIX C

Appendix C



Deterioration of top of non-overflow section – right side of dam



Upstream of dam rocky bottom



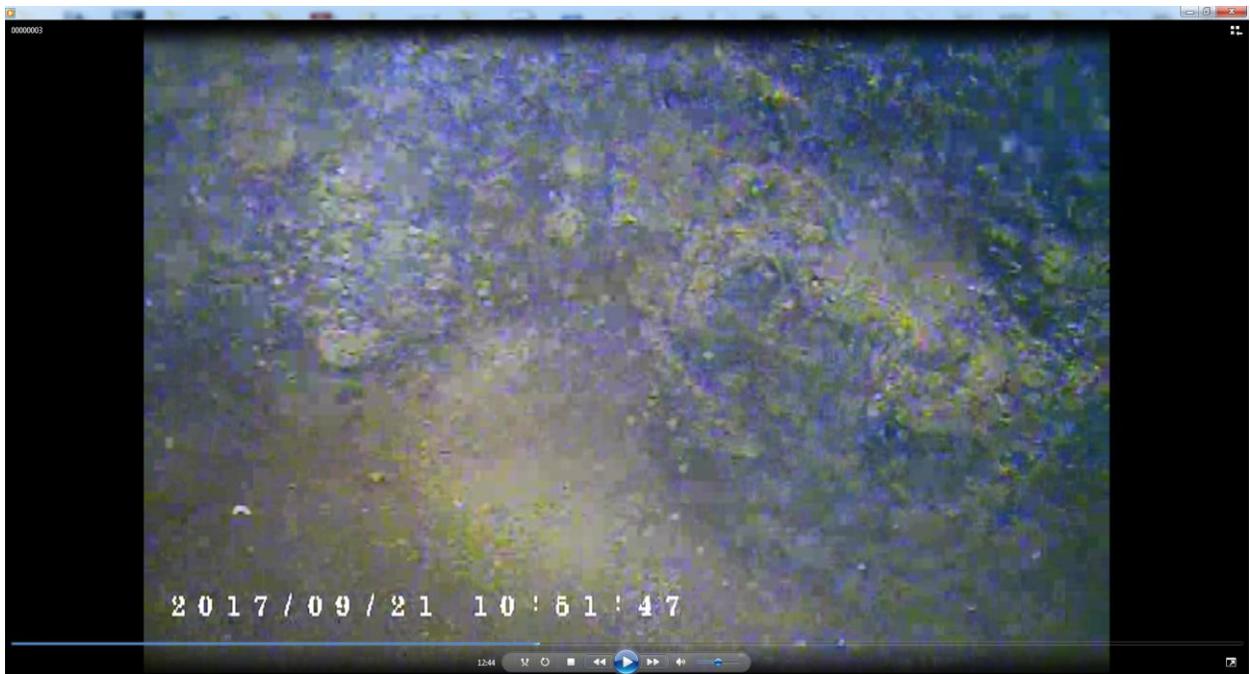
Upstream wall of old dam entrance location – flow beyond wall through 4-foot height window through dam



Overflow of old dam access location looking toward the right abutment



Dam upstream concrete in good condition



Minor undercutting – 12" wide



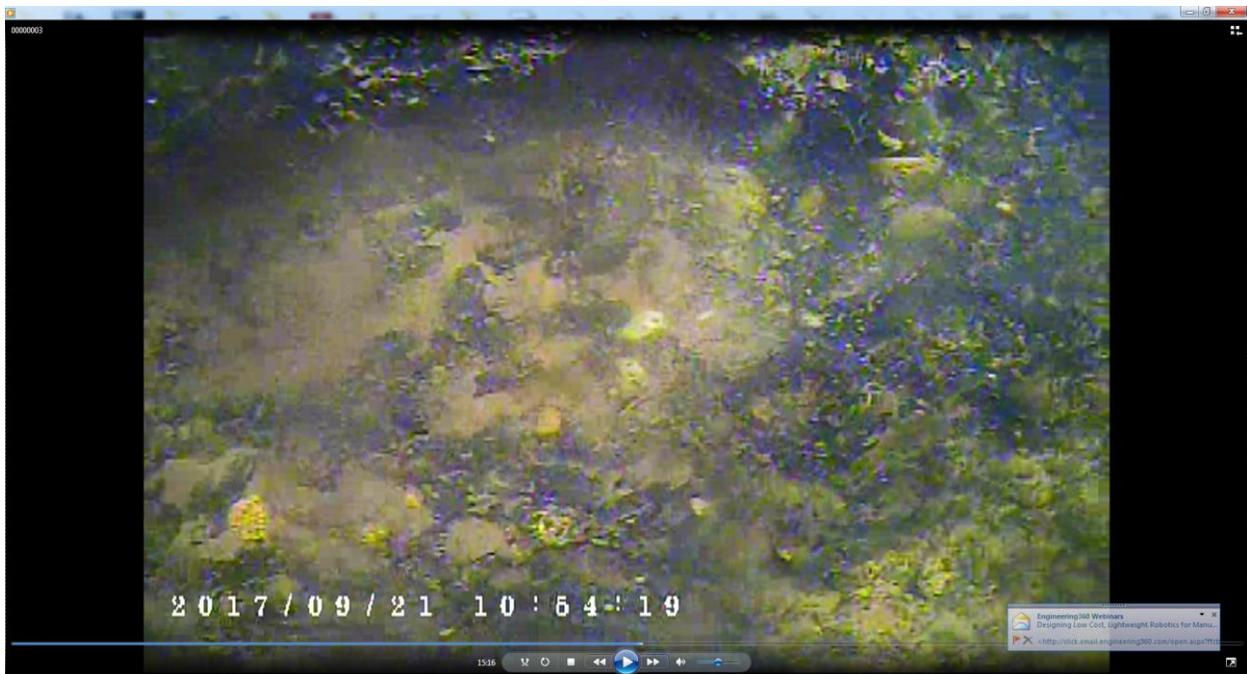
4" x 4" depression in concrete from wood formwork (wood present)



Exposed rebar



4" x 4" depression in concrete with wood present



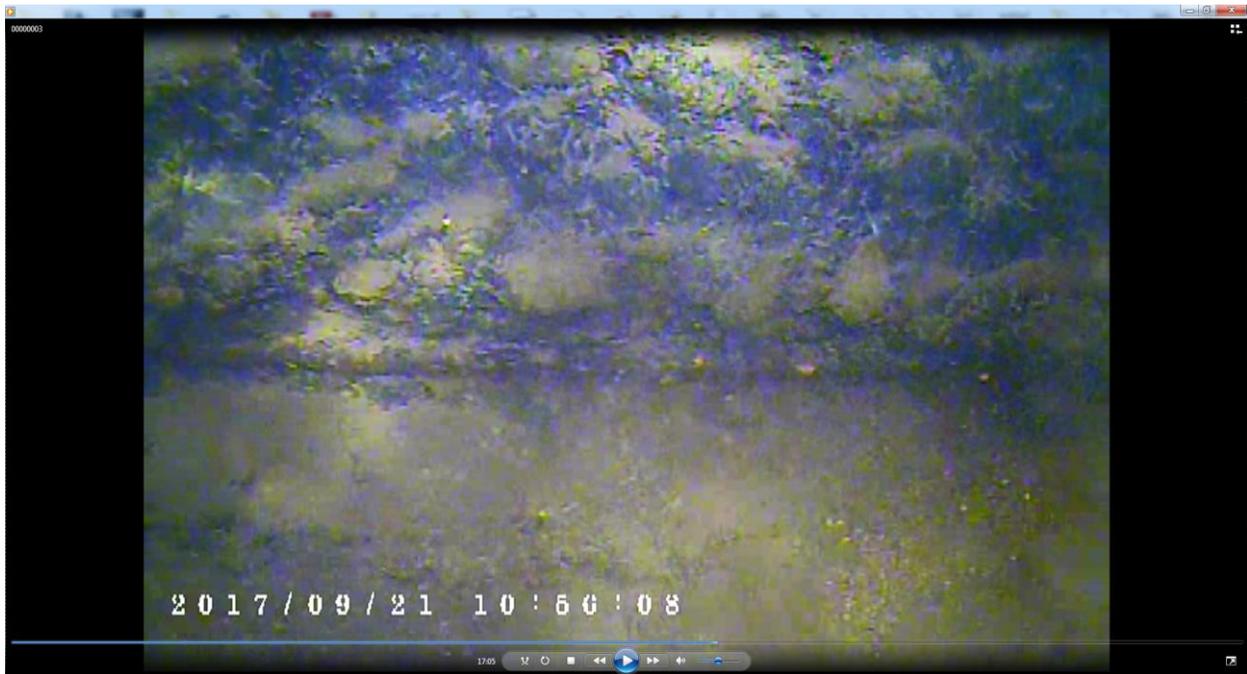
Spalled concrete area – approx. 12" x 8' x 4" depth, 2' above mud line



Indent 2' x 10" with minor spalling



Exposed rebar above silt



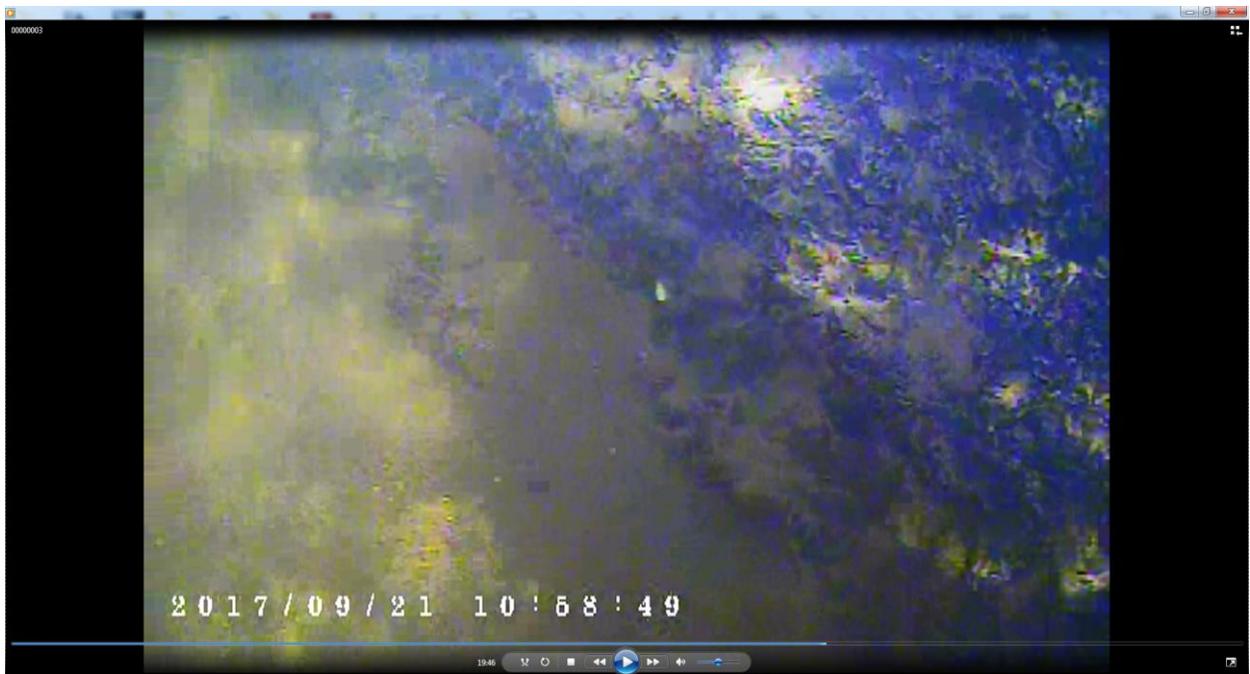
Exposed rebar above silt



Spalling 1' x 1' x 10" depth and rebar exposed



Small undercut approx. 4" depth



Spalling along toe



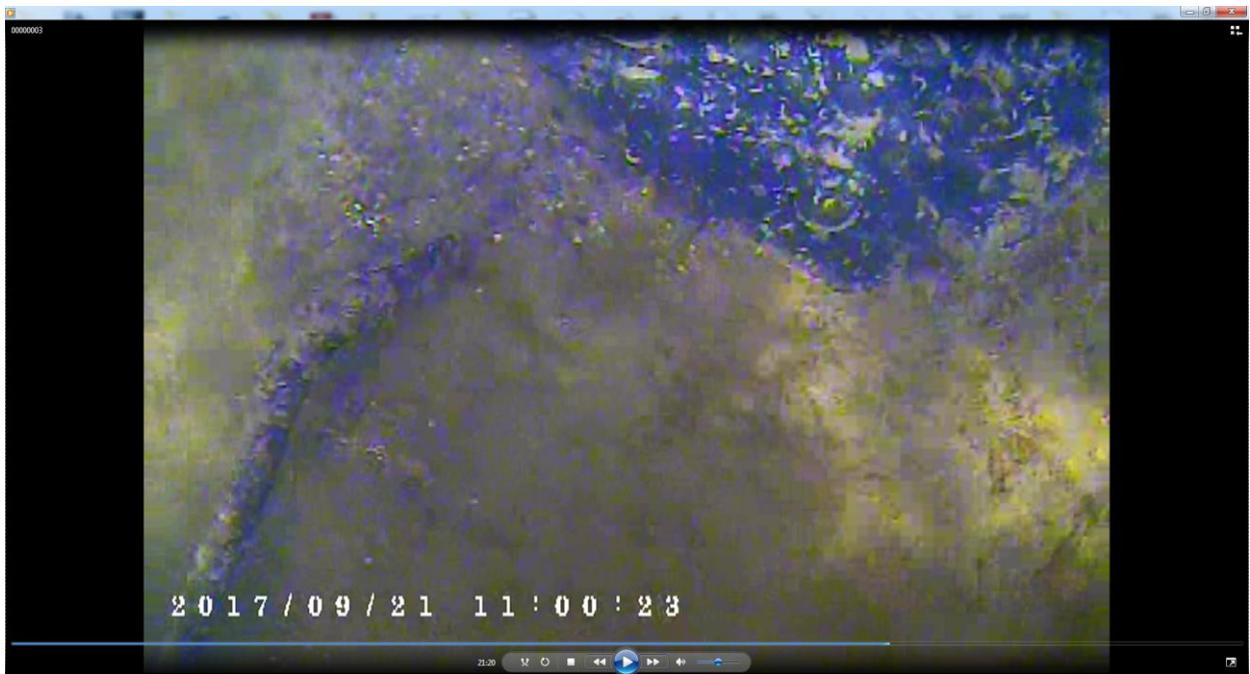
Spalling and undercutting at toe



Spalled area with rebar exposed



Wood formwork in concrete



Exposed rebar at toe



Exposed rebar at toe



Exposed rebar at toe



Spalling at cold joint partway up dam



Formwork along toe



Formwork and rebar along toe



Square opening 12" depth with exposed rebar – 20' from left abutment



Spalling at dam left abutment and wall connection



Left dam abutment at overflow section

APPENDIX D

Appendix D



Dam cold joint deterioration at toe of apron near left abutment



Dam cold joint deterioration at toe of apron near left abutment



Under cutting of toe of apron – 4' depth



Cold joint deterioration and undercutting at toe of apron



Undercutting of toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Deterioration and undercutting at toe of apron



Exposed rebar on dam apron



Exposed rebar, deterioration and undercutting at toe of apron



Deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Undercutting below vertical wall at old access location on dam



Undercutting below vertical wall at old access location on dam – timber noted



Undercutting below old access location on dam



Bedrock below the dam apron



Undercutting of toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Exposed rebar, deterioration and undercutting at toe of apron



Undercutting under 3-foot protrusion of concrete 6-foot width from apron



Undercutting under apron on WTP side of protrusion

APPENDIX E

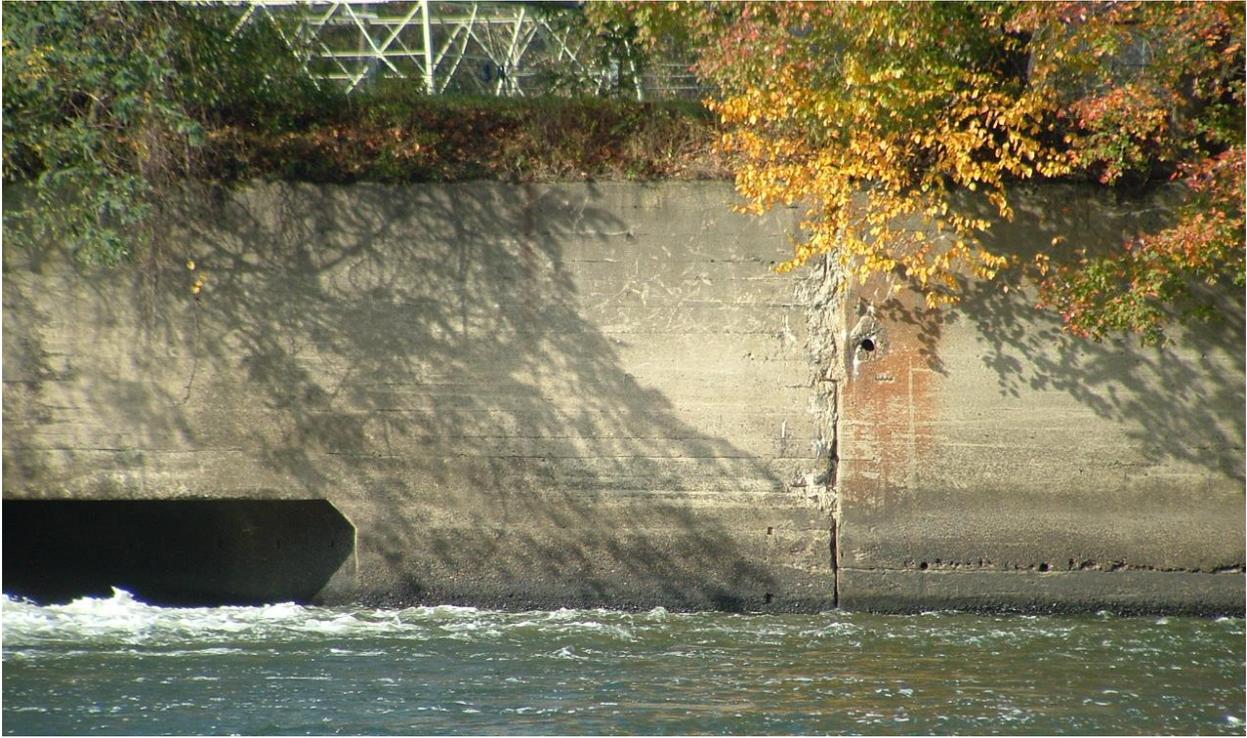
Appendix E



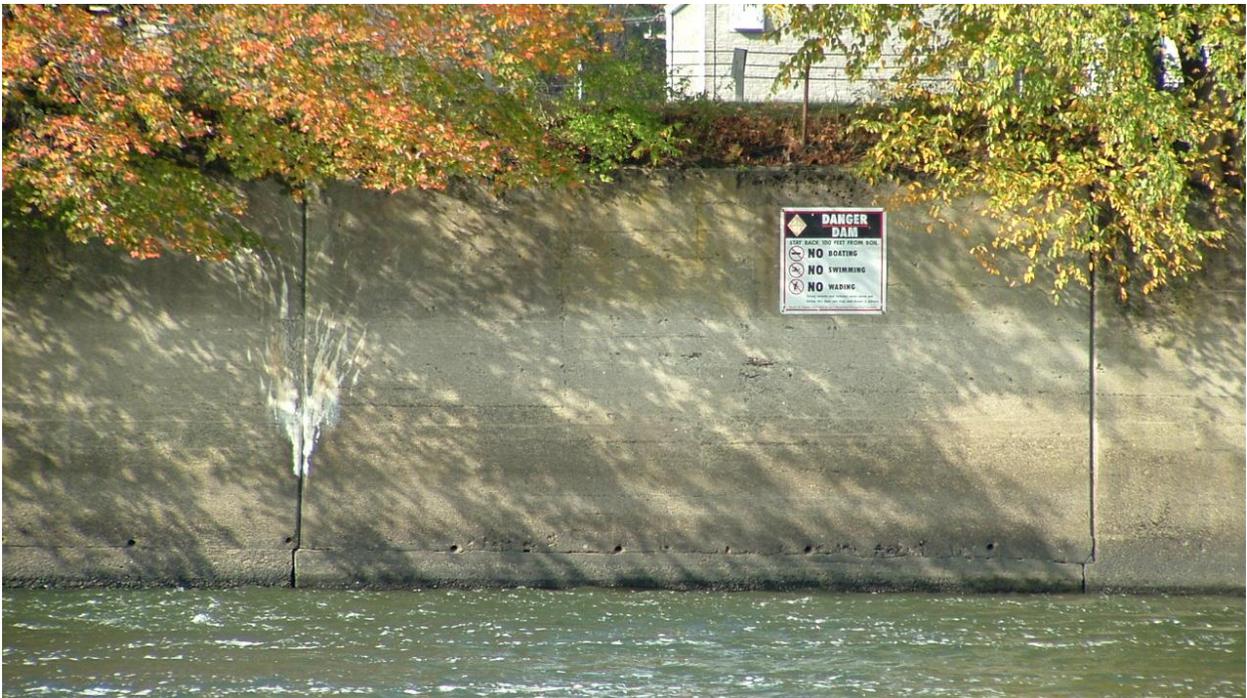
Left abutment wall spalling



Left abutment wall and tunnel outlet



Left abutment wall downstream of Dam (match above)



Left abutment wall downstream of Dam (match above)



Undercut at left abutment wall at toe of apron of dam



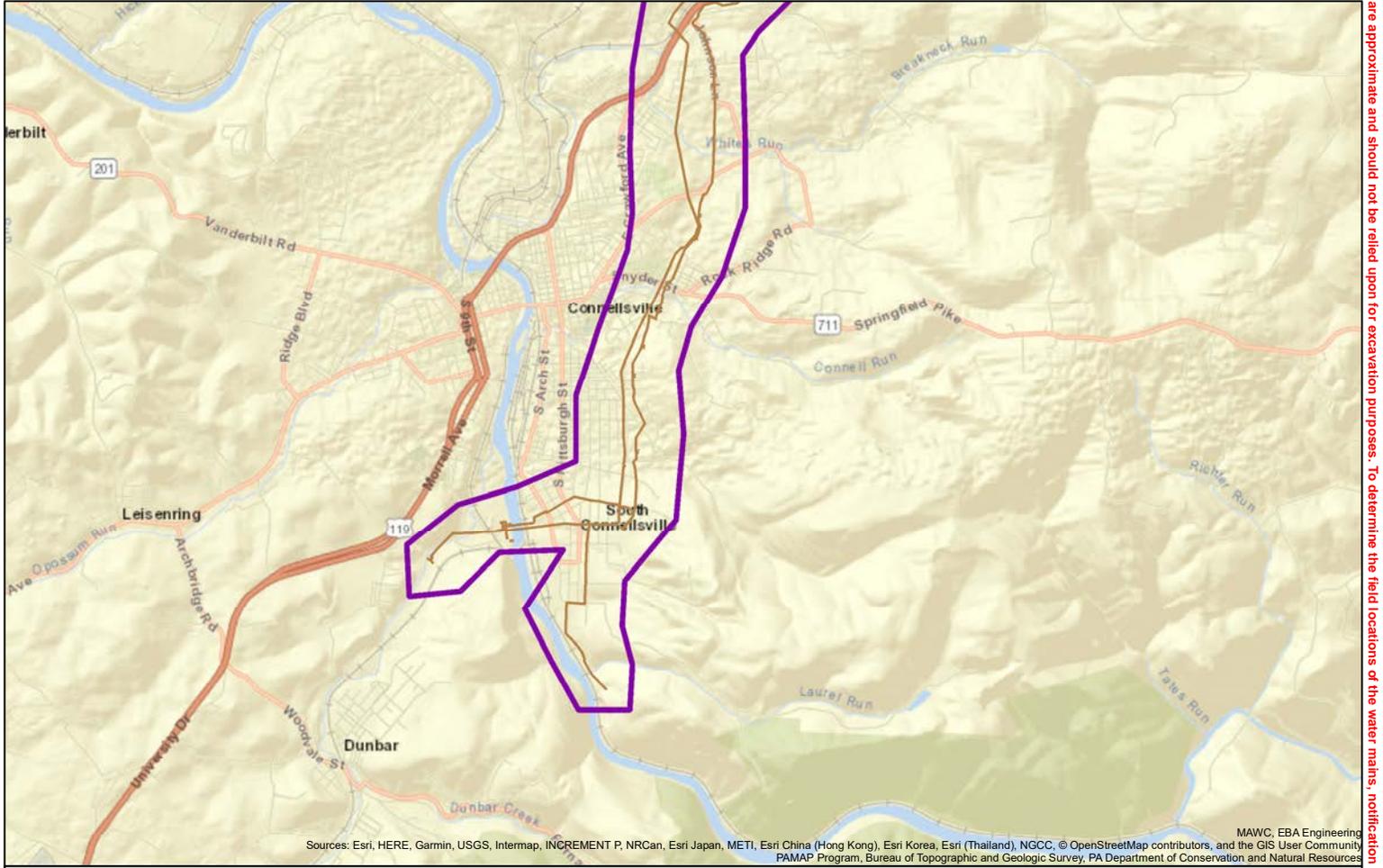
River wall undercutting – left abutment downstream of dam

Map Document

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DISCLAIMER: The Municipal Authority of Westmoreland County (M.A.W.C.) is providing this map of our facility locations to you as a professional courtesy. The locations of the water mains and appurtenances shown are approximate and should not be relied upon for excavation purposes. To determine the field locations of the water mains, notification should be made through the Pennsylvania One-Call System (811) 3 days before excavation. M.A.W.C. personnel will make field markings of the actual water main locations at that time. Also, please note that this map is the property of M.A.W.C.



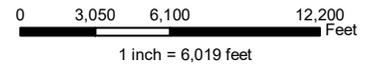
Pressure Gradients

1,269

CDC Bounda...

Utility GIS Viewer

Municipal Authority of Westmoreland County
 Engineering Department
 Date: 8/20/2018



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