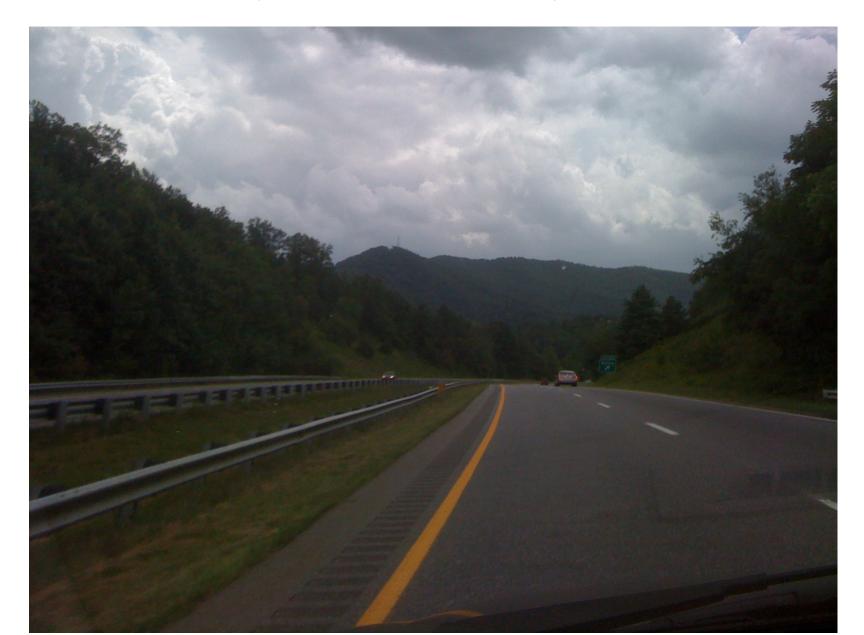
GREY LOGS

CONSERVATION OF SERIOUSLY DETERIORATED LOGS

THE ROAD TO HIGHLANDS



GREY LOGS

OVERLOOKING HIGHLANDS NC







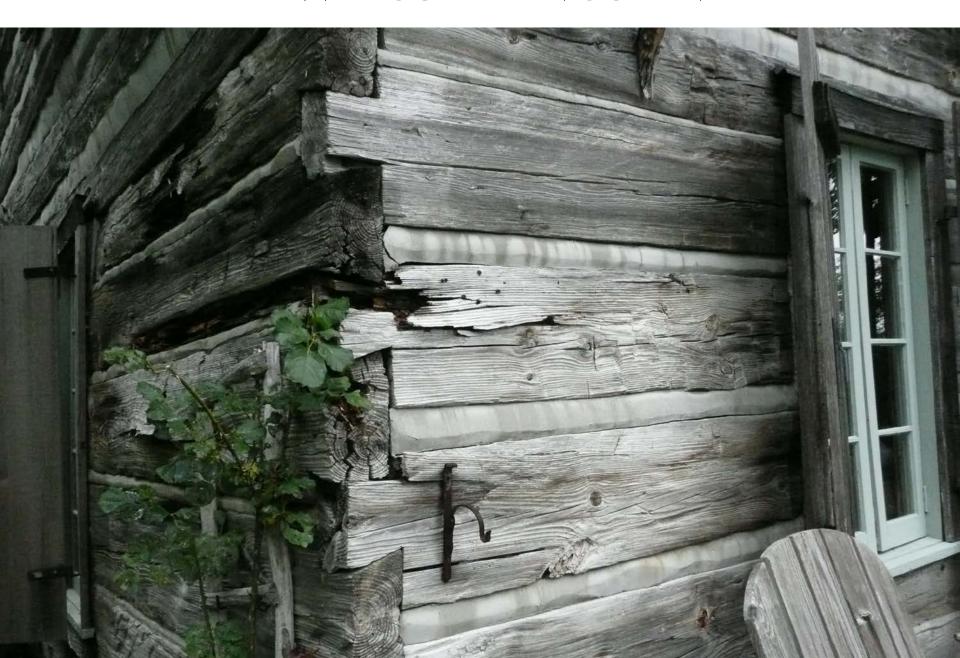
A BIT OF DETERIORATION







AND 2 AROUND THE CORNER



THE LOGS CANNOT BE REPAIRED IN PLACE

WE WILL FOLLOW THIS LOG



OTHER LOGS





LOG REMOVAL



THESE LOGS HAVE BEEN REMOVED.

TEMP. STUD &
PLYWOOD INFILL

STUDY LOG

LOG REMOVAL



STUDY LOG READY FOR REMOVAL

LOG REMOVAL



STUDY LOG FROM THE END SHOWING THE CONDITION OF THE CORE

CUSTOM TRAYS FOR EACH LOG



TRANSPORT TO THE SHOP



FACES ARE REMOVED





FACES SOAKED IN TIMBOR SOLUTION





DRIED





KEEPING IT GREY

TO KEEP THE LOGS GREY
IT IS NECESSARY TO PROTECT THE FACE DURING CONSOLIDATION.

SEVERAL MATERIALS WERE CONSIDERED, IE CYCLODUODECANE WAX ETC.
BUT A REMOVABLE ACRYLIC EMULSION WAS CONSIDERED THE BEST CHANCE
TO STOP THE BLEED THROUGH OF THE CONSOLIDANT
WHICH WAS EXPECTED TO BE AN EPOXY.

TESTING THE ACRYLICS



TWO DIFFERENT COMMERCIALLY AVAILABLE ACRYLICS WERE TESTED AT EACH END OF A SAMPLE BEFORE APPLYING EPOXY TO THE REAR.

TESTING THE ACRYLICS



EPOXY SPILLED ON THE FACE STAINED THE CENTER.
BOTH ACRYLICS WHEN REMOVED WITH AMMONIA PROTECTED THE GREY. THE AREA ABOVE AND BELOW THE EPOXY STAIN HAD NO TREATMENT.

THE FUTURE FLOOR FINISH ON THE RIGHT SIDE WAS THE LEAST VISIBLE.

ON SECOND THOUGHT

- WHY USE EPOXY?
- THE FACES WILL NOT BE STRUCTURAL.
- Would the acrylic alone be strong enough?
- ACTUALLY YES.
- SO THE FACES WERE SOAKED IN FUTURE FLOOR
 FINISH AFTER DRYING FROM THE TIMBOR.

SOAKING IN THE ACRYLIC AND ON THE DRYING RACK







SOAKED FACE

EXTERIOR OF AN INTERIOR FACE
BEING WASHED WITH AMMONIA TO
REMOVE EXCESS ACRYLIC TO AVOID
GLOSS

DARKNESS WAS DEFINITELY SCARY



SOME AREAS WERE COATED
WITH A WHITE SCUM —
POSSIBLY BORATE LEACHING
AND INTERACTING WITH THE
ACRYLIC.

IT ALSO CAME OFF WITH AMMONIA.



ACRYLIC BRUSH APPLIED AFTER
DRYING TO INTERIOR OF THE
FACE UNTIL NO MORE WOULD BE
TAKEN UP

FACE OF THE STUDY LOG AFTER CONSOLIDATION



ACTUALLY THIS IS THE INTERIOR OF THE FACE.

PORTION OF THE FACE LET INTO THE NEW CORE





SILICONE CAULK USED AS ADHESIVE





CONTOUR OF END LET INTO THE CORE





ASSEMBLED, ALIGNED AND CLAMPED



STILL GREY READY TO ATTACH THE INTERIOR TO THE OTHER FACE.



BEFORE

AFTER





SOME FACES WERE MORE OF A PROBLEM



THIS ONE WAS SO
WARPED IT HAD TO BE
FLATTENED AFTER
SOAKING BEFORE IT
COULD BE CUT DOWN
TO A FACE



CLAMPED TO A CORE
TO DRY FLAT

EVEN SOME OF THE MOST CONTRARY COME AROUND



SOME WERE JUST MISSING PARTS OR SO THIN TO PRECLUDE REUSE IN THIS — EXTERIOR APPLICATION

THIS HAD BEEN SALVAGED BY
THE OWNER



PROBABLY THE WORST



INLAYING THE SALVAGEABLE PARTS





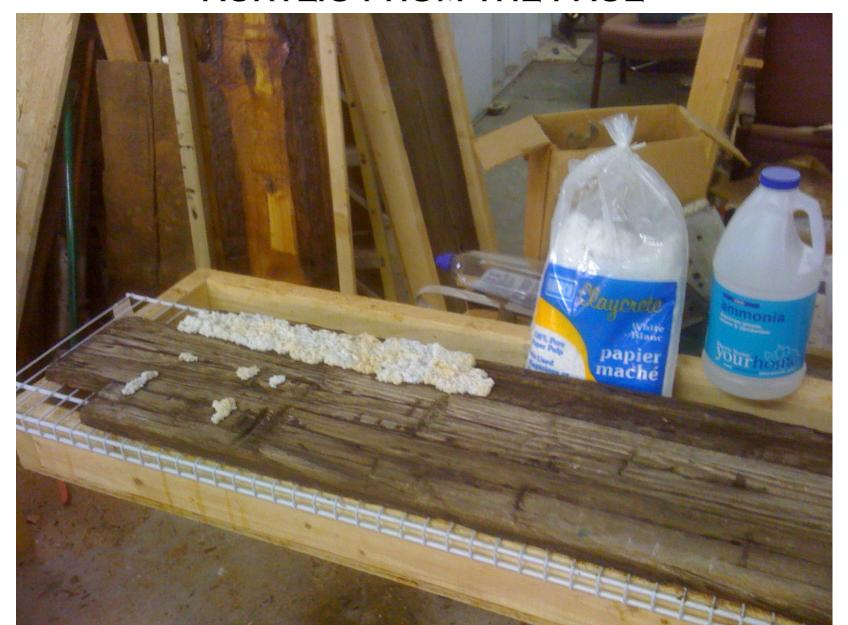
AND THE OTHER END







SOME NEEDED A POULTICE TO REMOVE EXCESS ACRYLIC FROM THE FACE



SO WILL THEY GO BACK IN?



NOTE THE STEEL ROD ON THE 4X4 POSTS SUPPORTING THE CORNER

FIRST LOG IN PLACE







BEFORE AFTER







LIME AND SAND CHINKING

CHINKING WAS PLACED ON GALVANIZED 1/4IN MESH

GREY HAS BEEN TINTED WITH PIGMENT
TO MATCH THE EXISTING PORTLAND
CEMENT CHINKING WHICH WILL BE
REPLACED IN THE FUTURE

BUFF CHINKING IS THE BASE COAT

NEW LEASE ON LIFE





SOMETIMES IT TAKES THE ENCOURAGEMENT OF:

"YOU CAN'T DO THAT!"

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FINIS

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