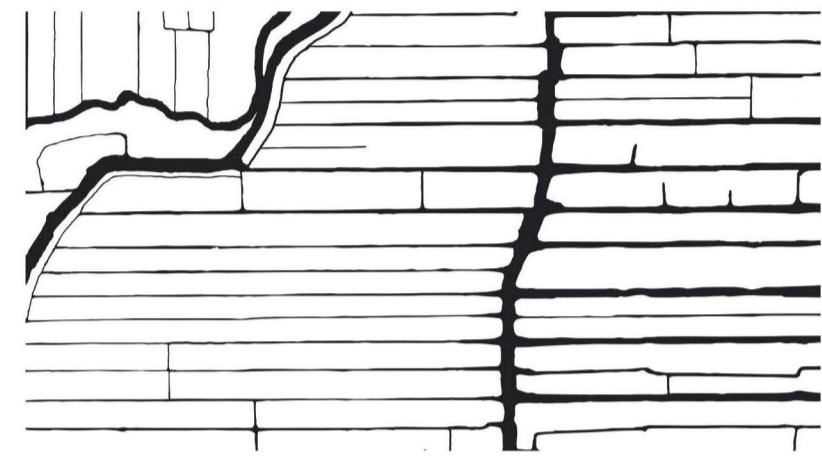


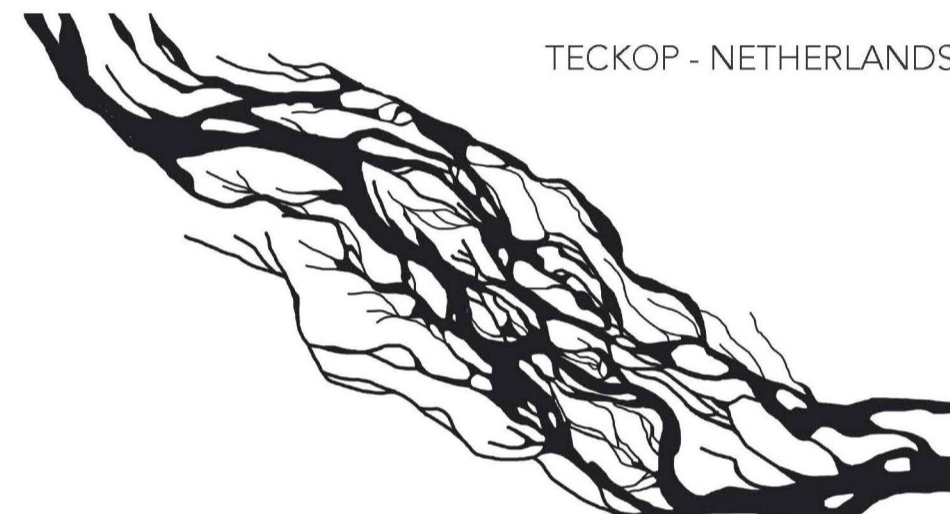
DESIGN STRATEGY MASTERPLAN

THE PERIODIC FLOOD ON THE ORTICA SITE WAS THE STARTING POINT OF OUR DESIGN STRATEGY FOR THE MASTERPLAN. WE WERE SEARCHING FOR A WAY TO USE THE FLOOD FOR FOOD PRODUCTION AND DECREASE THE HIGH RISK FLOOD AREAS. SO WE STARTED WITH AN ANALYSIS OF MEN MADE AND NATURALLY DEVELOPED FLOODPLAINS. IN COMBINATION WITH 2 DIFFERENT SCALED GRIDS WE FOUND OUT SPECIFIC RULES OF THE NATURAL RIVER FLOW. CONSIDERING THE SITE MAPS AND THE GIVEN TOPOGRAPHY WE CREATED A RIVER AND CANAL PATTERN THAT IS WELL ADAPTED FOR OUR ORTICA SITE AND HELPS THE PEOPLE LIVING AND BENEFITING FROM THE FLOOD.

ZERO+ HOUSE OF THE FEW'S ARCHITECTURAL DESIGN STUDIO 2
MIDTERM 02.04.2016
CARLA-CHRISTIN KNÖDLER LISA DAUTEL



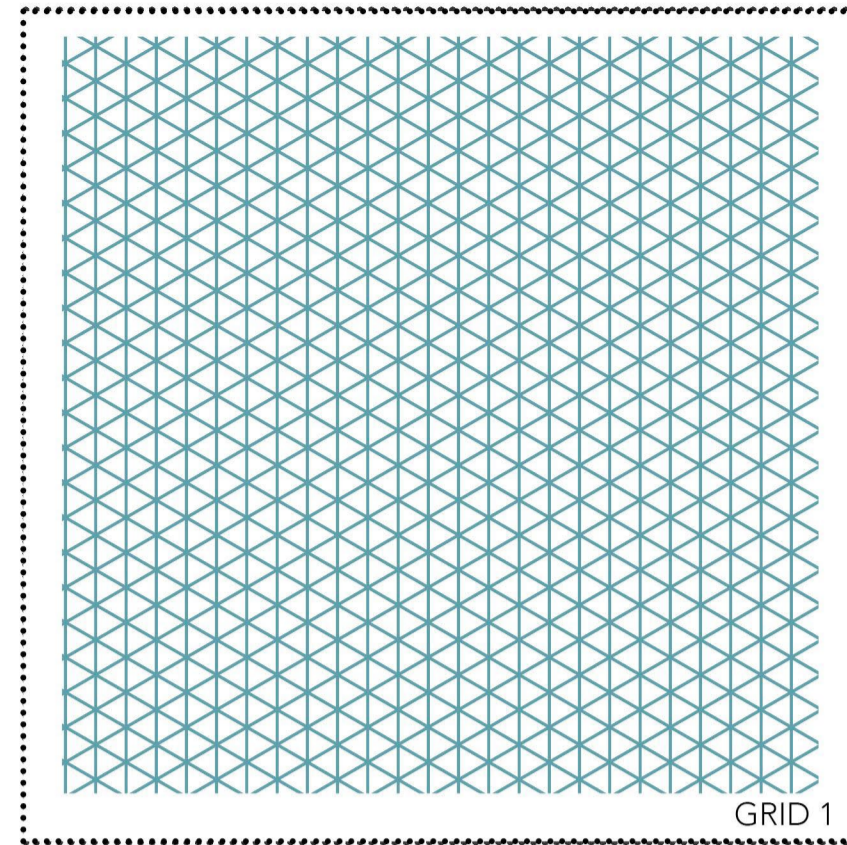
TECKOP - NETHERLANDS



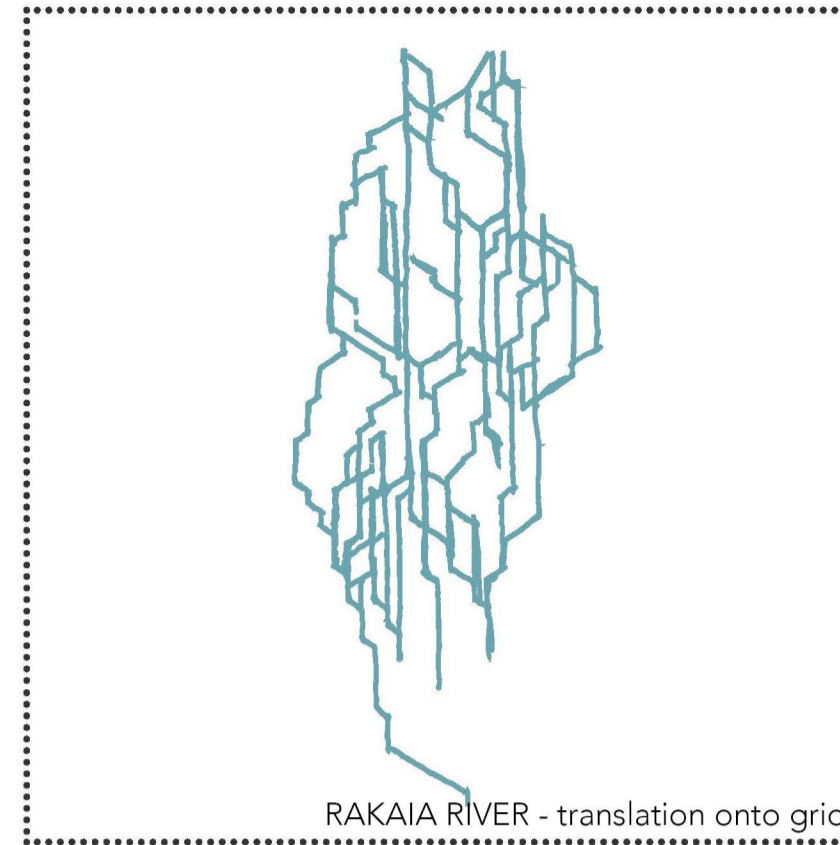
RAKAIA RIVER - NEW ZEALAND



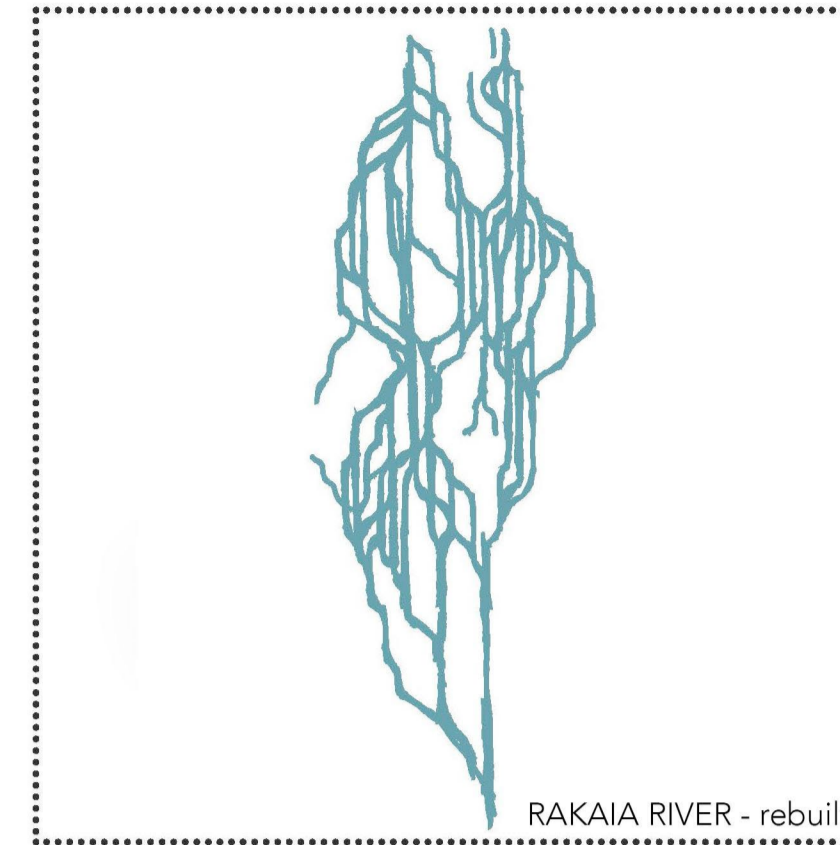
SAMBESI RIVER - AFRICA



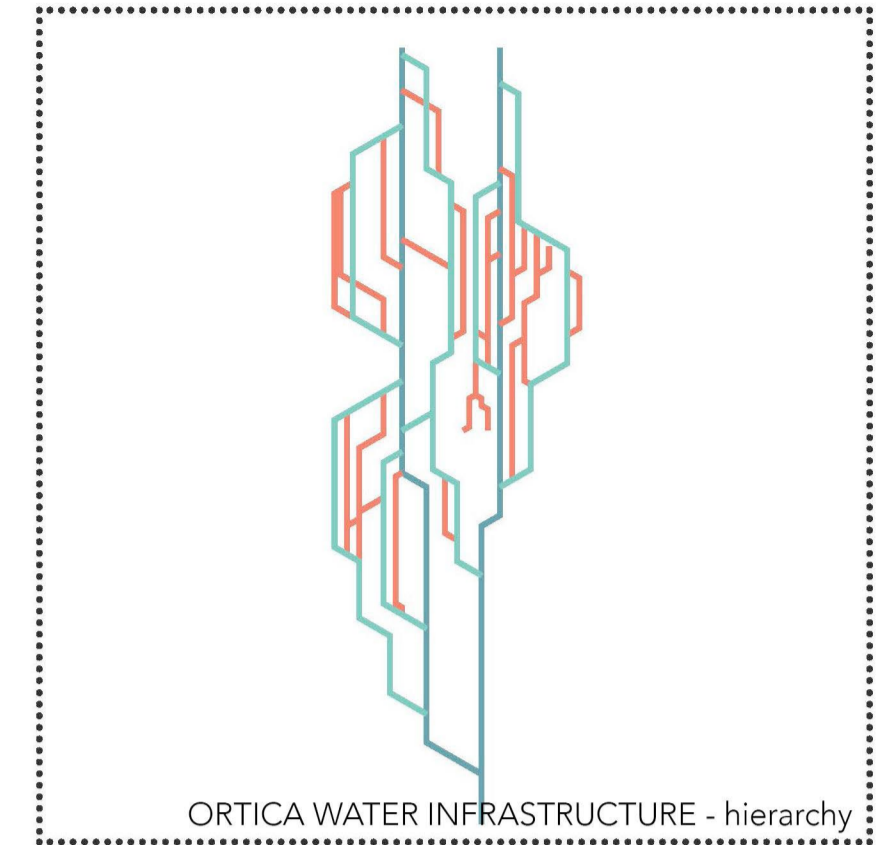
GRID 1



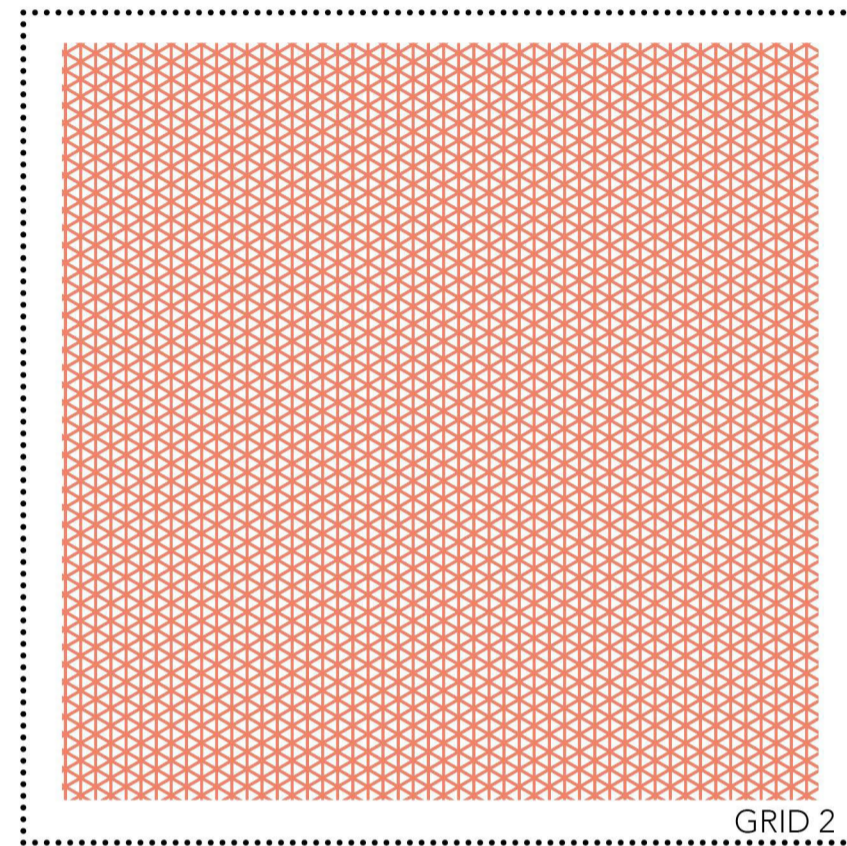
RAKAIA RIVER - translation onto grid



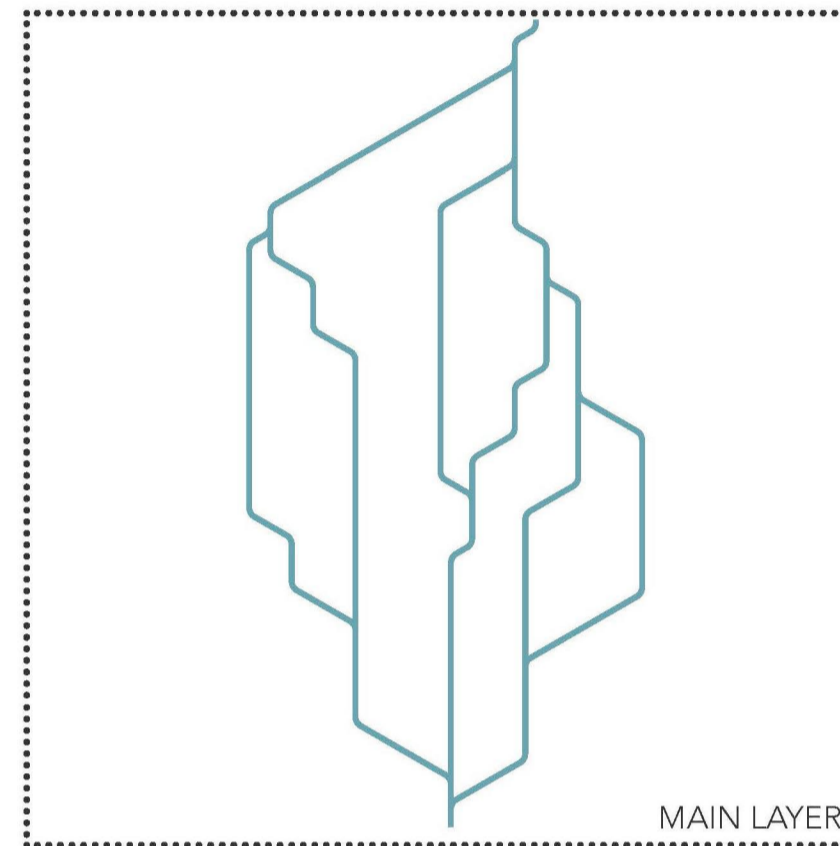
RAKAIA RIVER - rebuilt



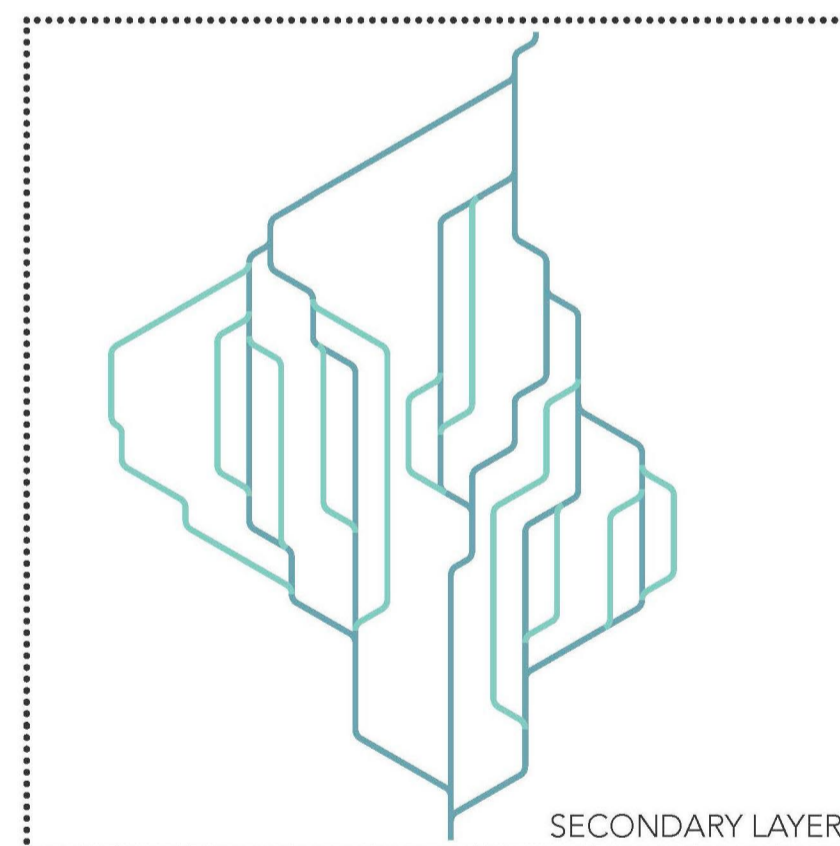
ORTICA WATER INFRASTRUCTURE - hierarchy



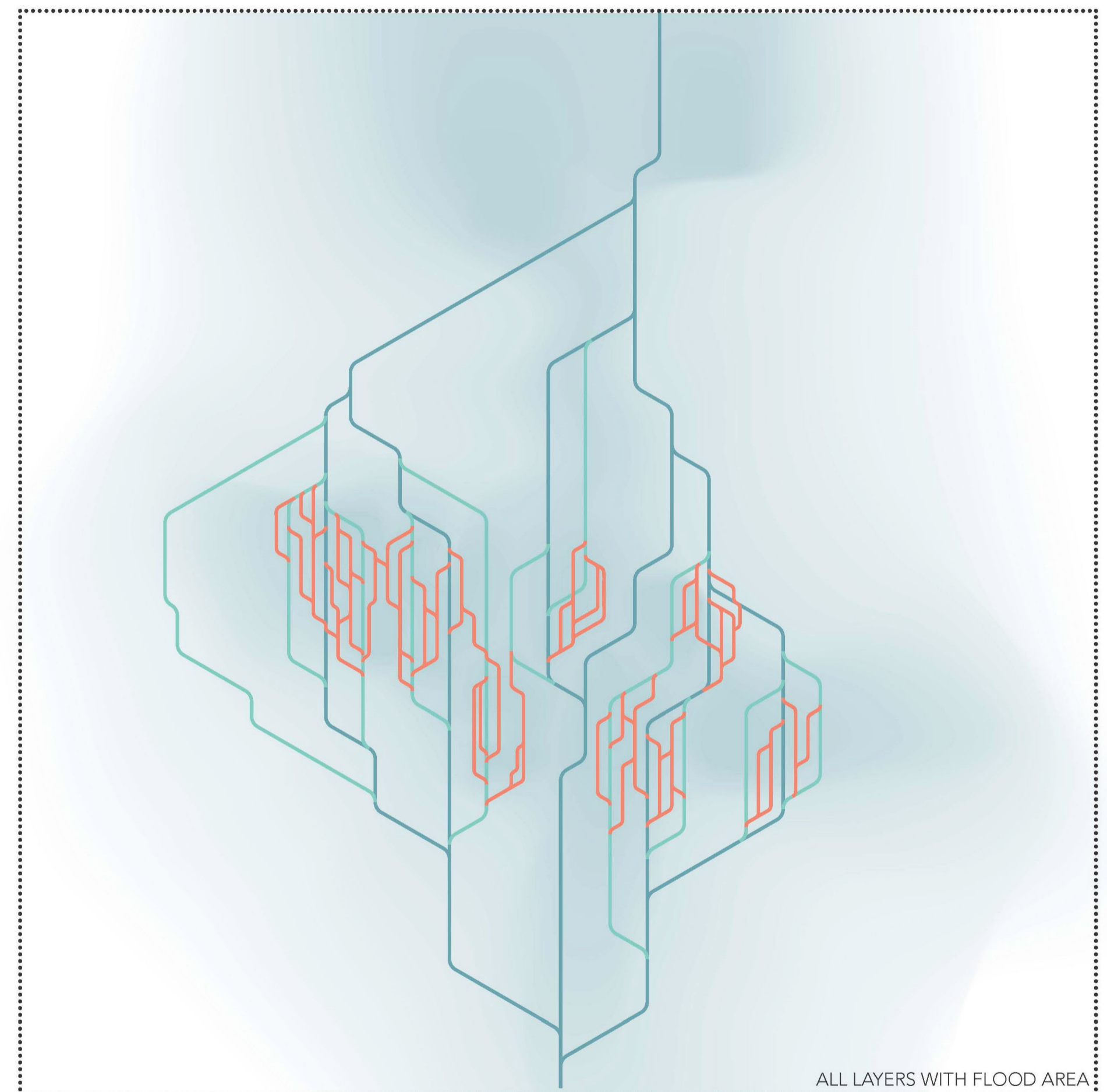
GRID 2



MAIN LAYER



SECONDARY LAYER



ALL LAYERS WITH FLOOD AREA



DRY SEASON

RAIN SEASON

FLOOD



WEEK 0

WEEK 1

WEEK 2