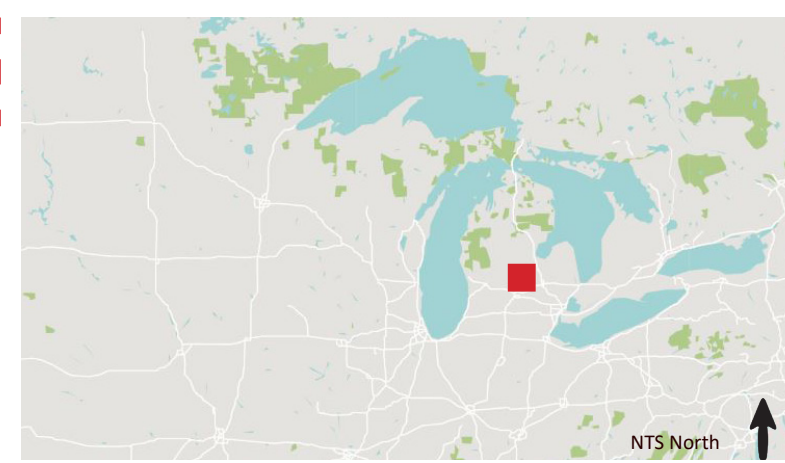


# BLUE LINES

AMANDA WAKEFIELD  
MITCHELL KREINER  
ANGELA YUAN  
SAM LINEBAUGH

TEAM M10

SCOPE



MICHIGAN, USA

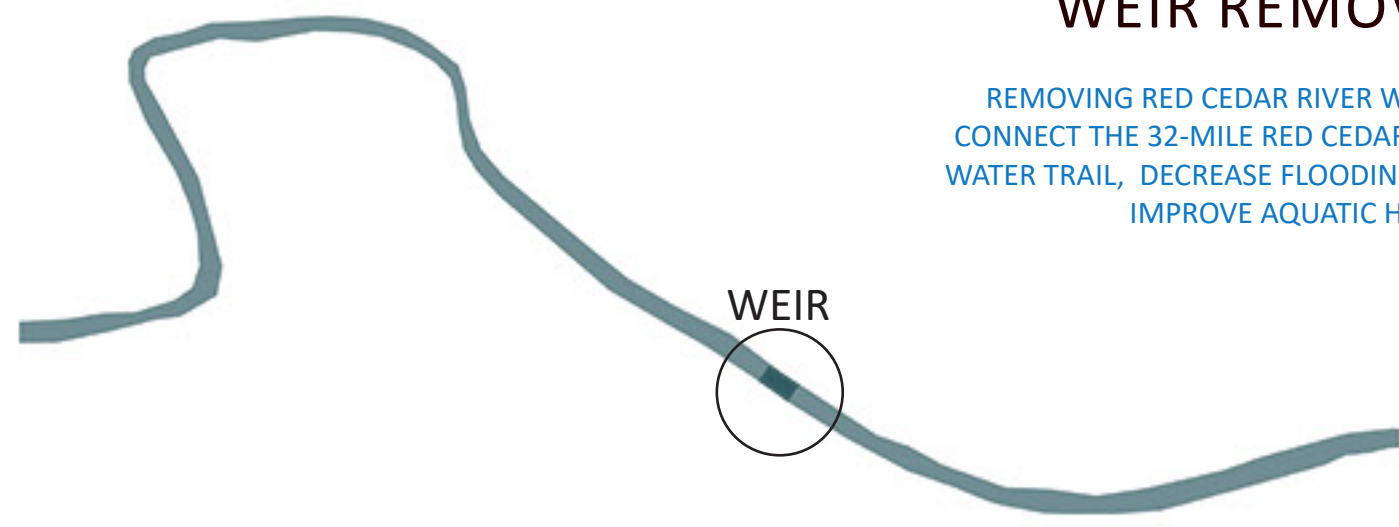


MICHIGAN STATE UNIVERSITY

## GREEN INFRASTRUCTURE:

### WEIR REMOVAL

REMOVING RED CEDAR RIVER WEIR TO CONNECT THE 32-MILE RED CEDAR RIVER WATER TRAIL, DECREASE FLOODING, AND IMPROVE AQUATIC HABITAT



### RIVERBANK RESTORATION

RESTORING 3.6 ACRES OF RIVERBANK, THROUGH TOE STABILIZATION AND REGRADING



### BIOSWALES

EXPANDING RIPARIAN BUFFER INTO A SERIES OF BIOSWALES



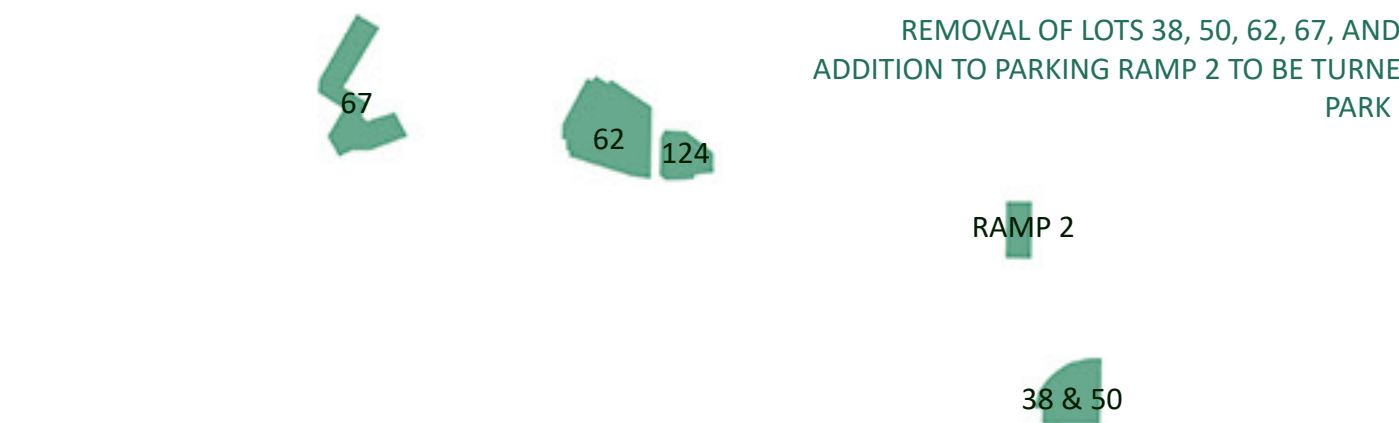
### GREEN ROOFS

INCREASING THE NUMBER OF GREEN ROOFS ON CAMPUS FROM 9 TO 22



### PARK SPACE FORMERLY PARKING LOTS

REMOVAL OF LOTS 38, 50, 62, 67, AND 124 IN ADDITION TO PARKING RAMP 2 TO BE TURNED INTO PARK SPACES



### RENOVATED ROAD NETWORK

REMOVAL OF RED CEDAR RIVER ROAD  
NEW BUS LOOP

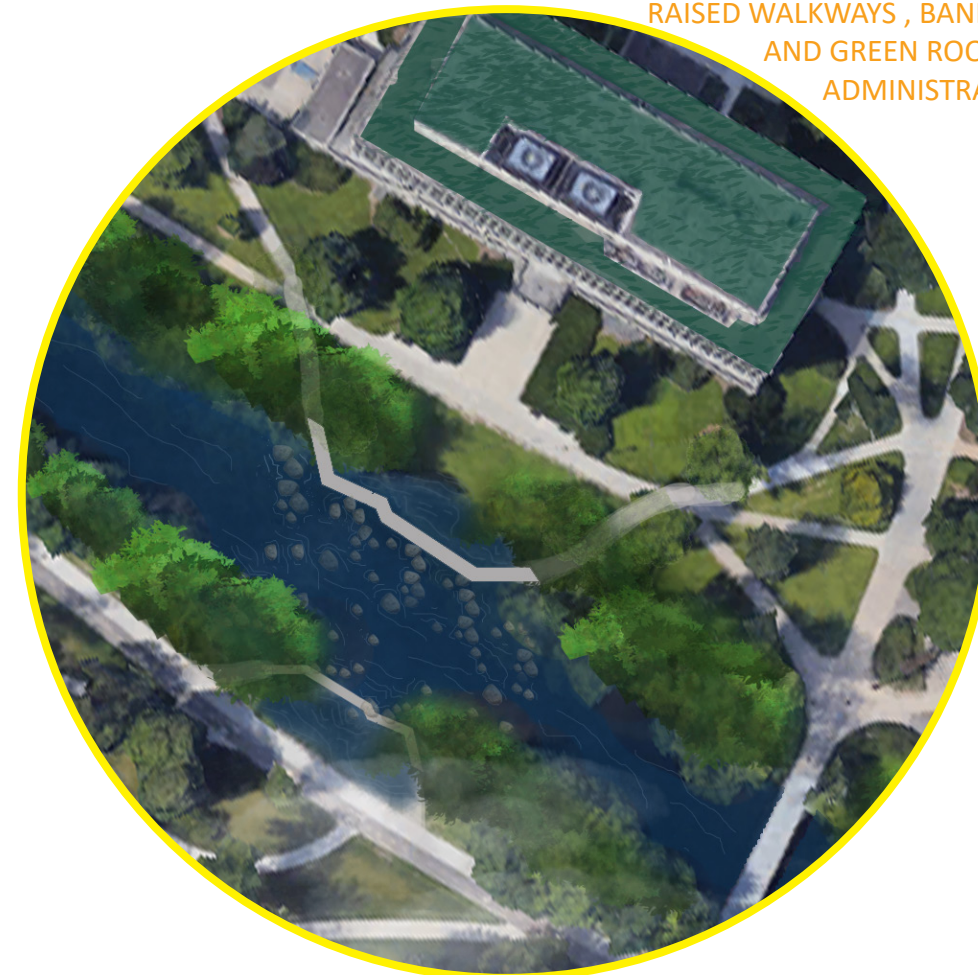


## SOCIAL INFRASTRUCTURE AND RECREATION AMENITIES:

- FISHING STATION
- ART IN THE LANDSCAPE
- INFORMATIONAL SIGNAGE
- OUTDOOR CLASSROOM
- POSTS FOR HAMMOCKING
- BOAT LAUNCH
- POLLINATOR GARDEN
- ADDITIONAL BIKE PARKING
- RAISED BOARDWALK WITH RIVER ACCESS
- ICE AND HOCKEY RENTALS
- GATHERING SPACE

### WEIR REPLACEMENT

RAISED WALKWAYS, BANK RESTORATION, AND GREEN ROOFS ON HANNAH ADMINISTRATION BUILDING



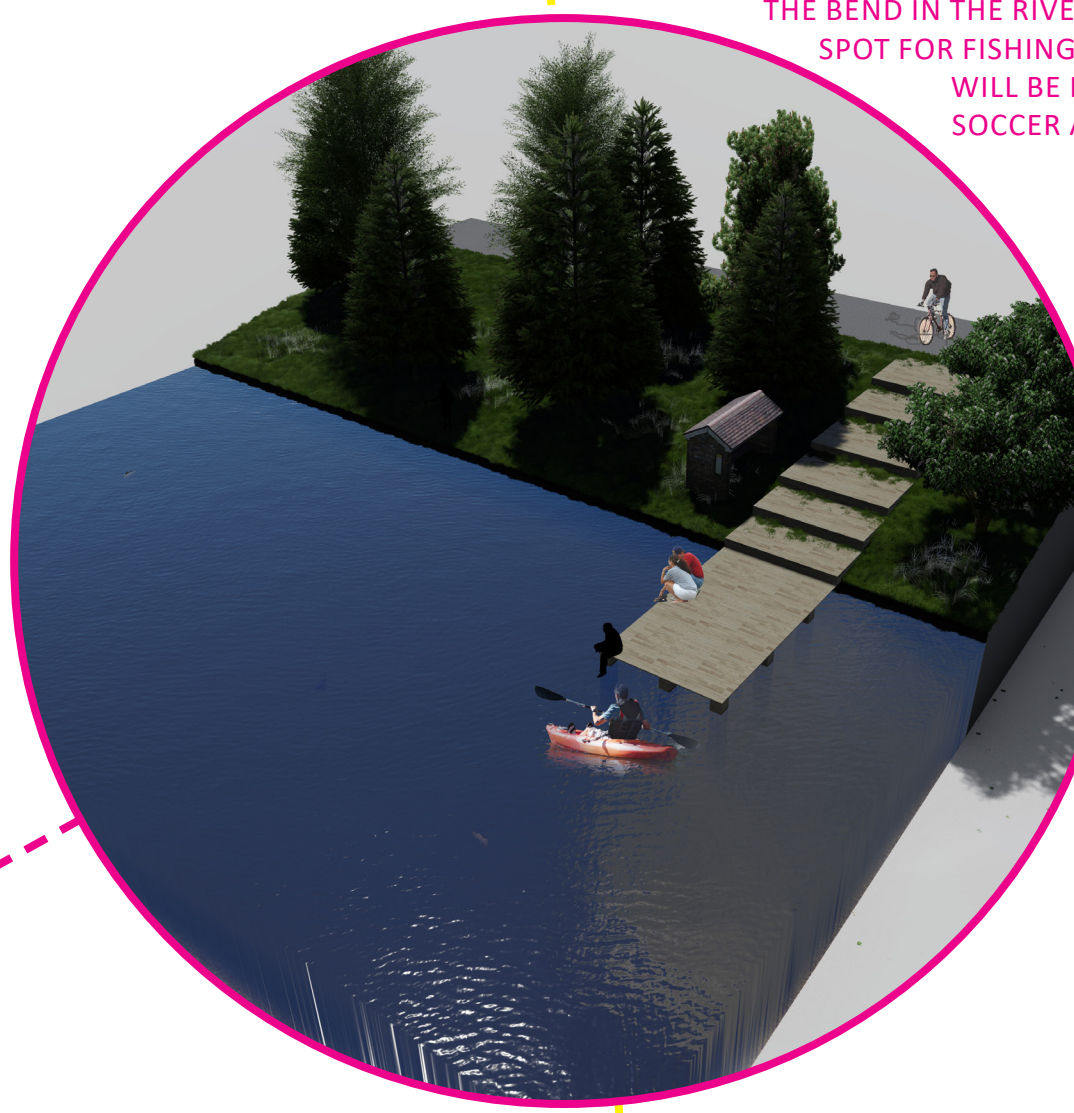
### ICE RINK

REMOVING RAMP 2 IN ORDER TO CREATE A WETLAND THAT WILL ALSO BE AN ICE RINK DURING THE WINTER



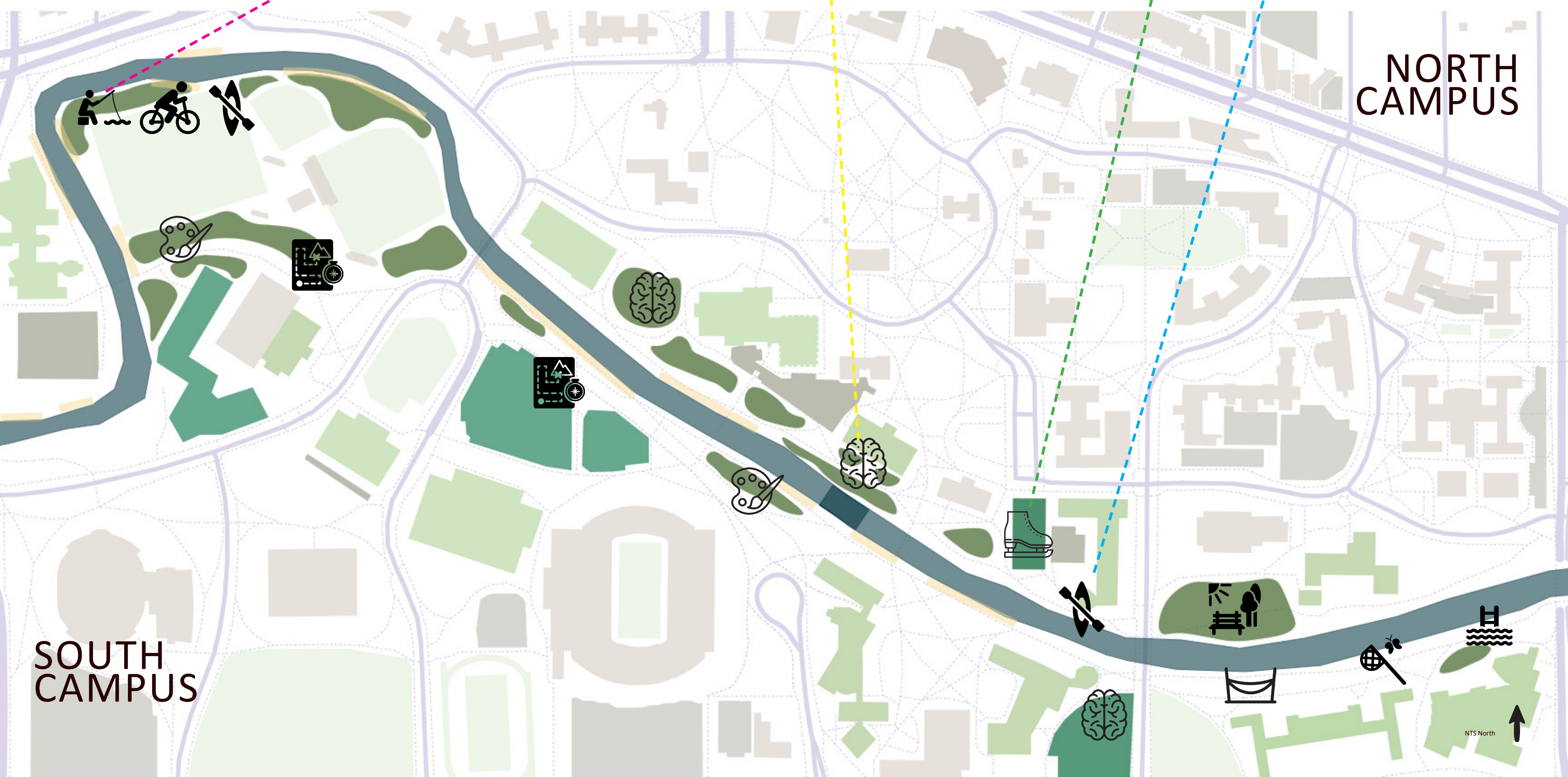
### FISHING STATION

THE BEND IN THE RIVER IS THE IDEAL SPOT FOR FISHING. THE SECOND WILL BE NORTH OF THE SOCCER AND BASEBALL FIELDS.



### CANOE LAUNCH

ONE CANOE LAUNCH WILL BE LOCATED BEHIND BESSEY HALL. A KAYAK AND CANOE RENTAL FACILITY WILL BE BUILT IN THE CURRENT LOCATION OF PARKING RAMP 2 OUTSIDE OF THE FLOODPLAIN.



NORTH CAMPUS

SOUTH CAMPUS

NTS North