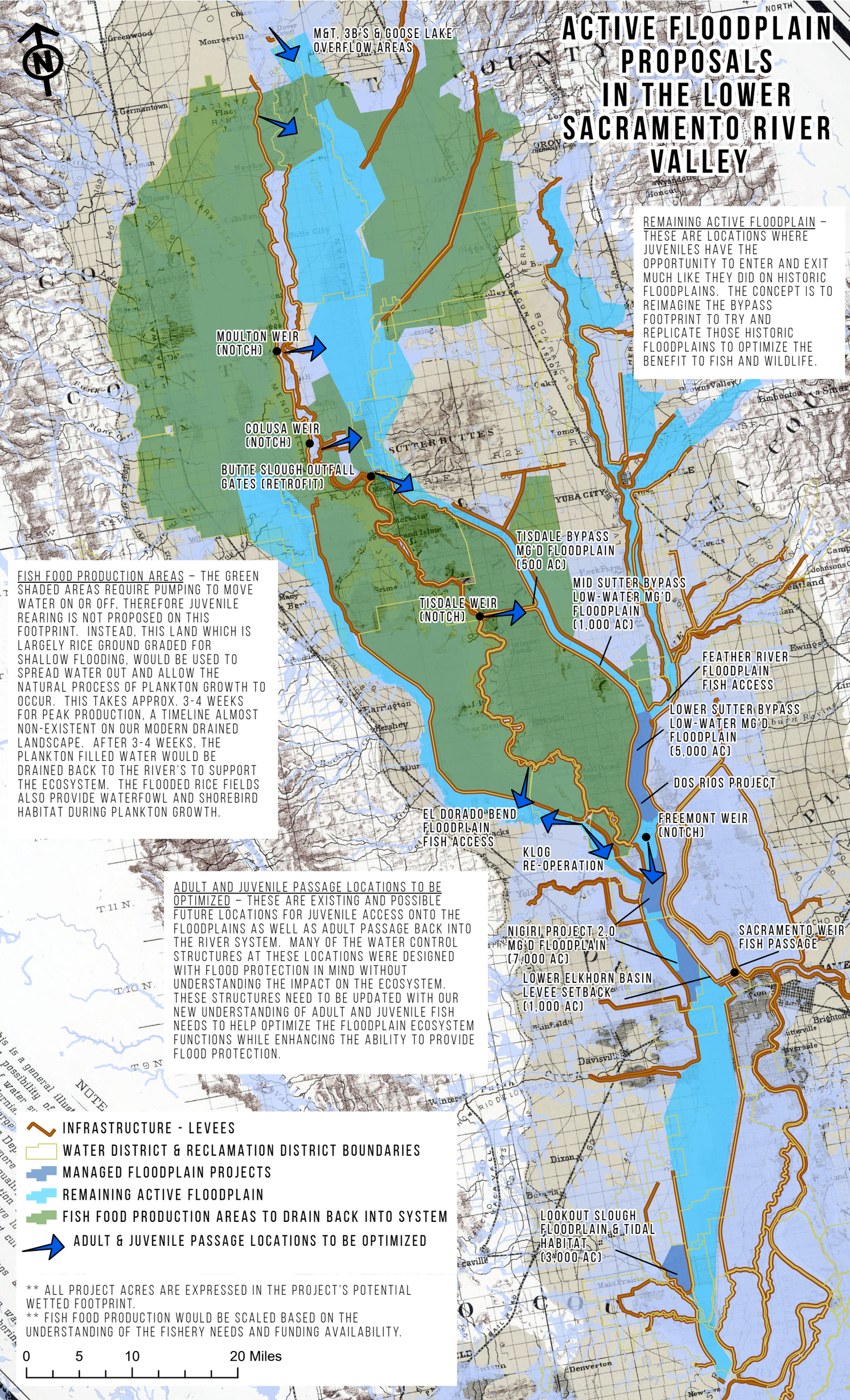
ACTIVE FLOODPLAIN PROPOSALS IN THE LOWER SACRAMENTO RIVER VALLEY



REMAINING ACTIVE FLOODPLAIN – THESE ARE LOCATIONS WHERE JUVENILES HAVE THE OPPORTUNITY TO ENTER AND EXIT MUCH LIKE THEY DID ON HISTORIC FLOODPLAINS. THE CONCEPT IS TO REIMAGINE THE BYPASS FOOTPRINT TO TRY AND REPLICATE THOSE HISTORIC FLOODPLAINS TO OPTIMIZE THE BENEFIT TO FISH AND WILDLIFE.

FISH FOOD PRODUCTION AREAS – THE GREEN SHADED AREAS REQUIRE PUMPING TO MOVE WATER ON OR OFF, THEREFORE JUVENILE REARING IS NOT PROPOSED ON THIS FOOTPRINT. INSTEAD, THIS LAND WHICH IS LARGELY RICE GROUND GRADED FOR SHALLOW FLOODING, WOULD BE USED TO SPREAD WATER OUT AND ALLOW THE NATURAL PROCESS OF PLANKTON GROWTH TO OCCUR. THIS TAKES APPROX. 3-4 WEEKS FOR PEAK PRODUCTION, A TIMELINE ALMOST NON-EXISTENT ON OUR MODERN DRAINED LANDSCAPE. AFTER 3-4 WEEKS, THE PLANKTON FILLED WATER WOULD BE DRAINED BACK TO THE RIVER'S TO SUPPORT THE ECOSYSTEM. THE FLOODED RICE FIELDS ALSO PROVIDE WATERFOWL AND SHOREBIRD HABITAT DURING PLANKTON GROWTH.

ADULT AND JUVENILE PASSAGE LOCATIONS TO BE OPTIMIZED – THESE ARE EXISTING AND POSSIBLE FUTURE LOCATIONS FOR JUVENILE ACCESS ONTO THE FLOODPLAINS AS WELL AS ADULT PASSAGE BACK INTO THE RIVER SYSTEM. MANY OF THE WATER CONTROL STRUCTURES AT THESE LOCATIONS WERE DESIGNED WITH FLOOD PROTECTION IN MIND WITHOUT UNDERSTANDING THE IMPACT ON THE ECOSYSTEM. THESE STRUCTURES NEED TO BE UPDATED WITH OUR NEW UNDERSTANDING OF ADULT AND JUVENILE FISH NEEDS TO HELP OPTIMIZE THE FLOODPLAIN ECOSYSTEM FUNCTIONS WHILE ENHANCING THE ABILITY TO PROVIDE FLOOD PROTECTION.

- INFRASTRUCTURE - LEVEES
- WATER DISTRICT & RECLAMATION DISTRICT BOUNDARIES
- MANAGED FLOODPLAIN PROJECTS
- REMAINING ACTIVE FLOODPLAIN
- FISH FOOD PRODUCTION AREAS TO DRAIN BACK INTO SYSTEM
- ADULT & JUVENILE PASSAGE LOCATIONS TO BE OPTIMIZED

** ALL PROJECT ACRES ARE EXPRESSED IN THE PROJECT'S POTENTIAL WETTED FOOTPRINT.
** FISH FOOD PRODUCTION WOULD BE SCALED BASED ON THE UNDERSTANDING OF THE FISHERY NEEDS AND FUNDING AVAILABILITY.

0 5 10 20 Miles