

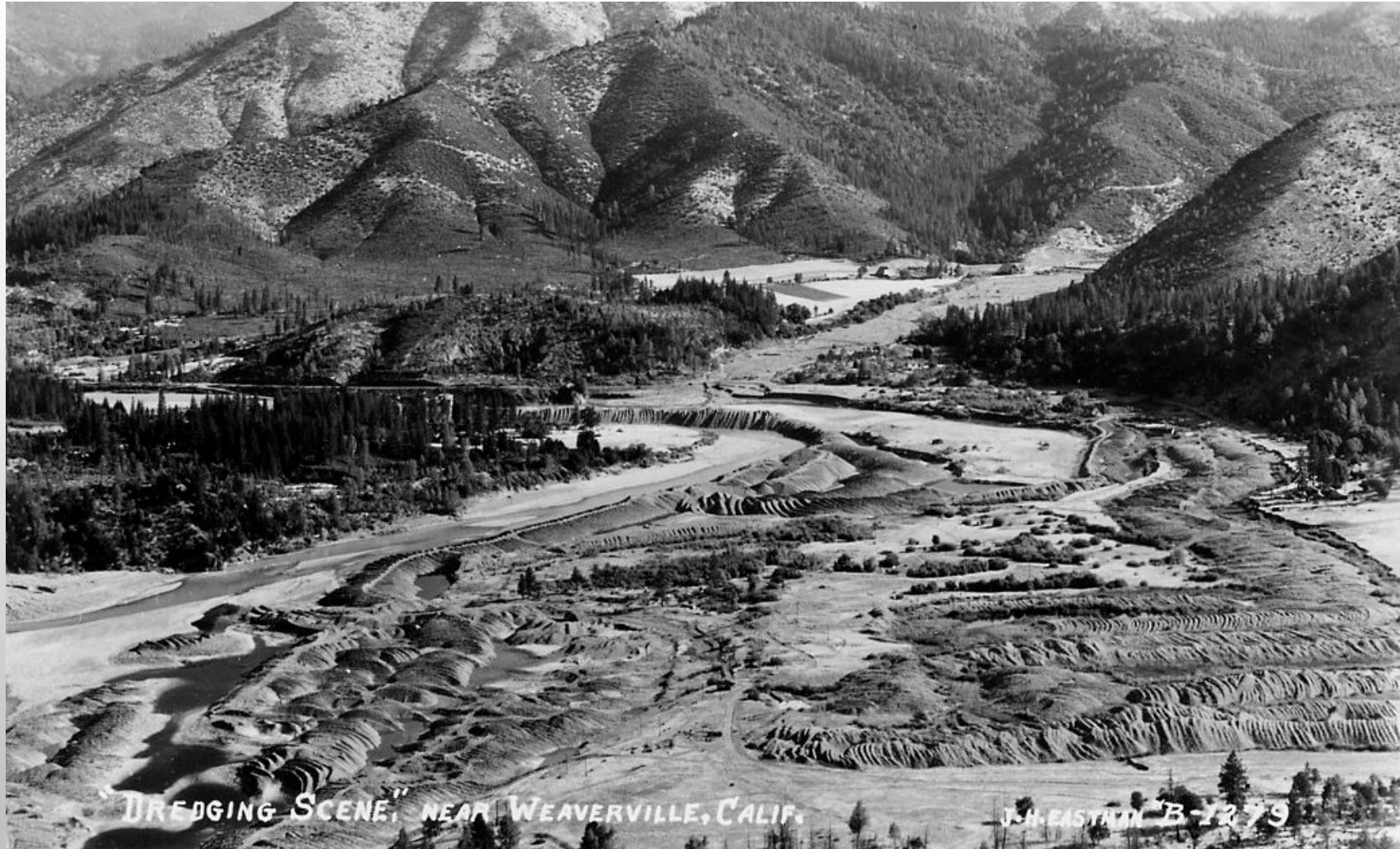


OREGON GULCH DESIGN UPDATE

YUOK TRIBE DESIGN TEAM APRIL 4, 2019



OREGON GULCH ~1940'S



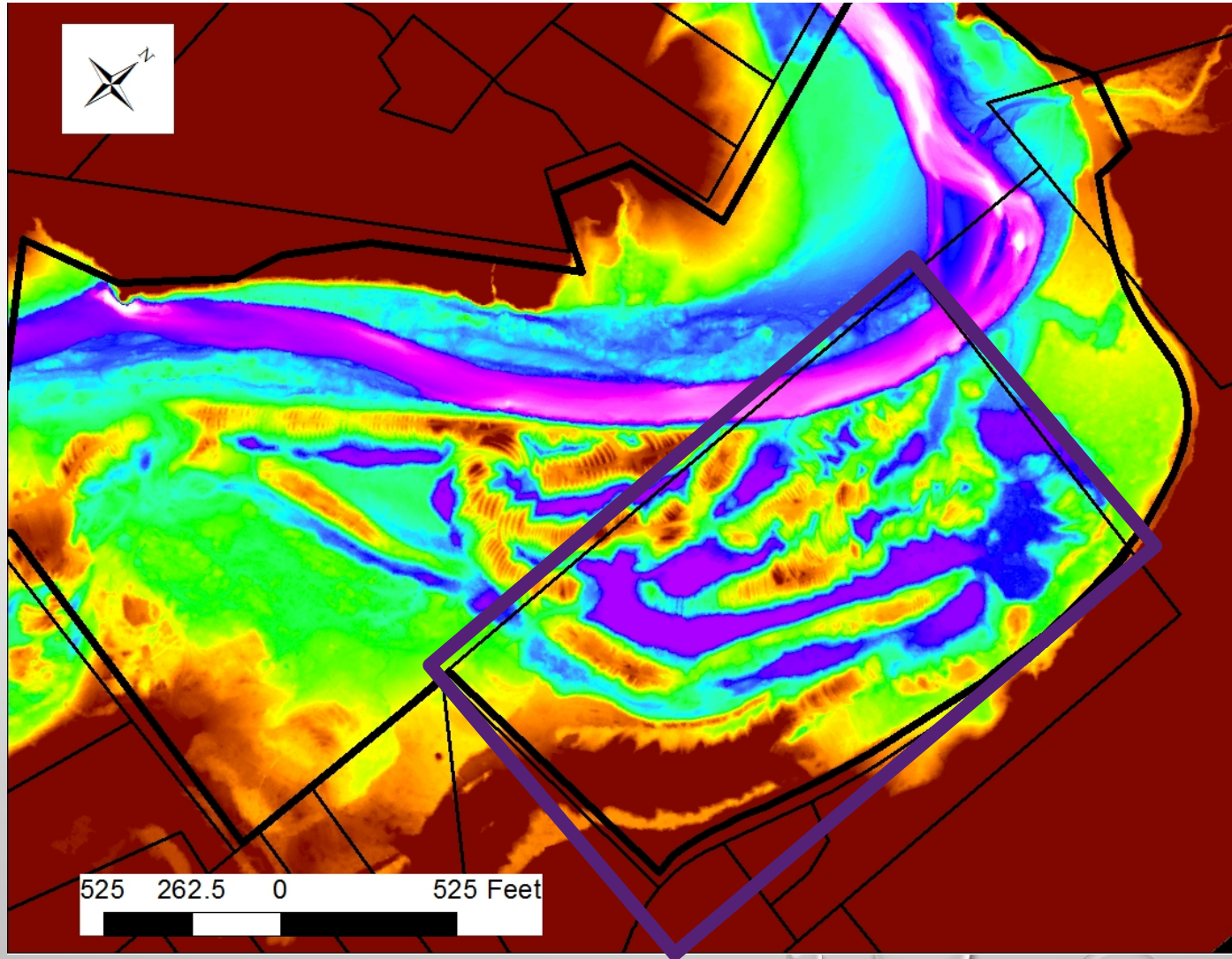
"DREDGING SCENE," NEAR WEAVERVILLE, CALIF.

J.H. EASTMAN B-1279

OREGON GULCH CURRENT CONDITION



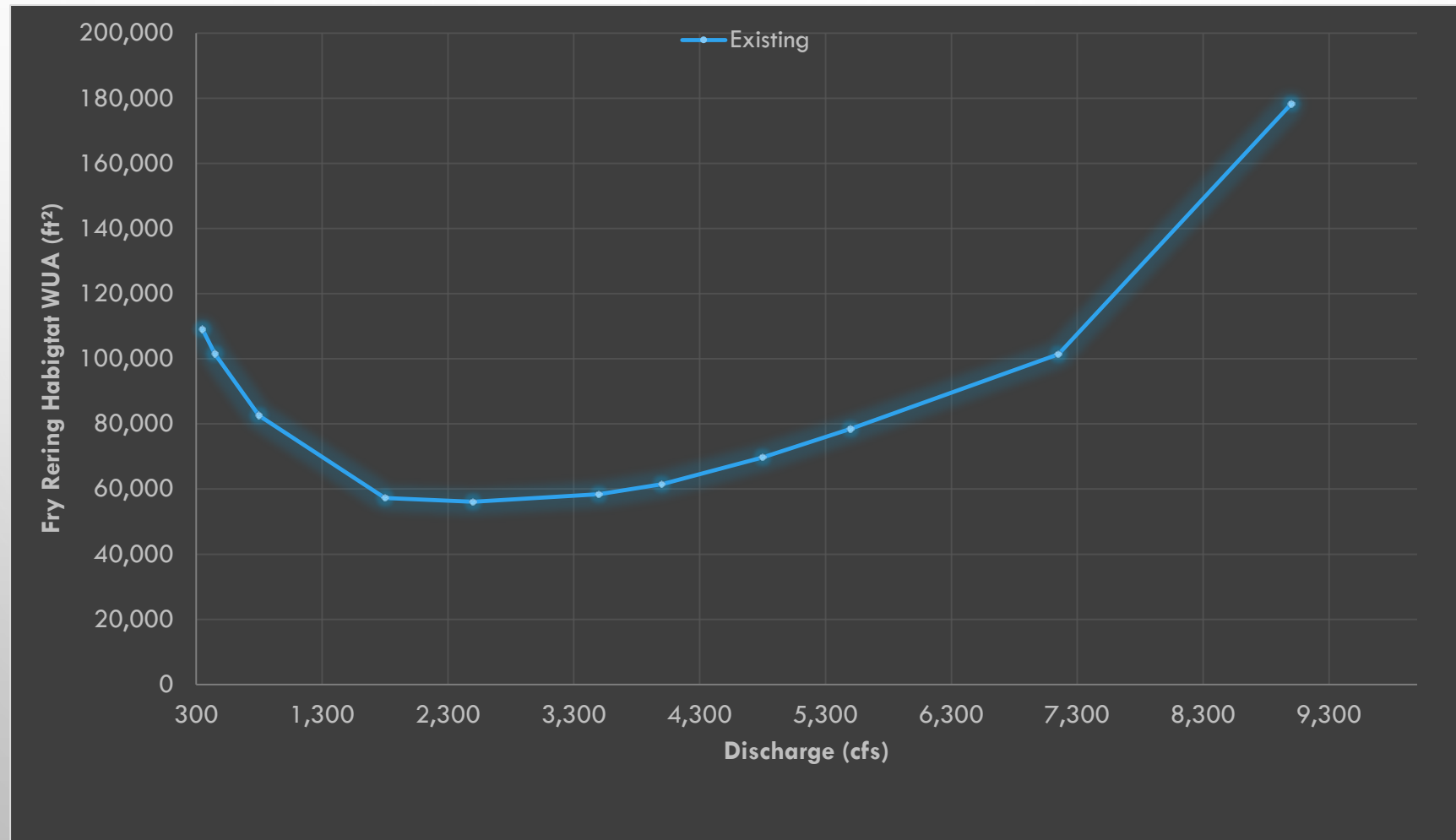
OREGON GULCH - OWNERSHIP



MAJOR DESIGN OBJECTIVES

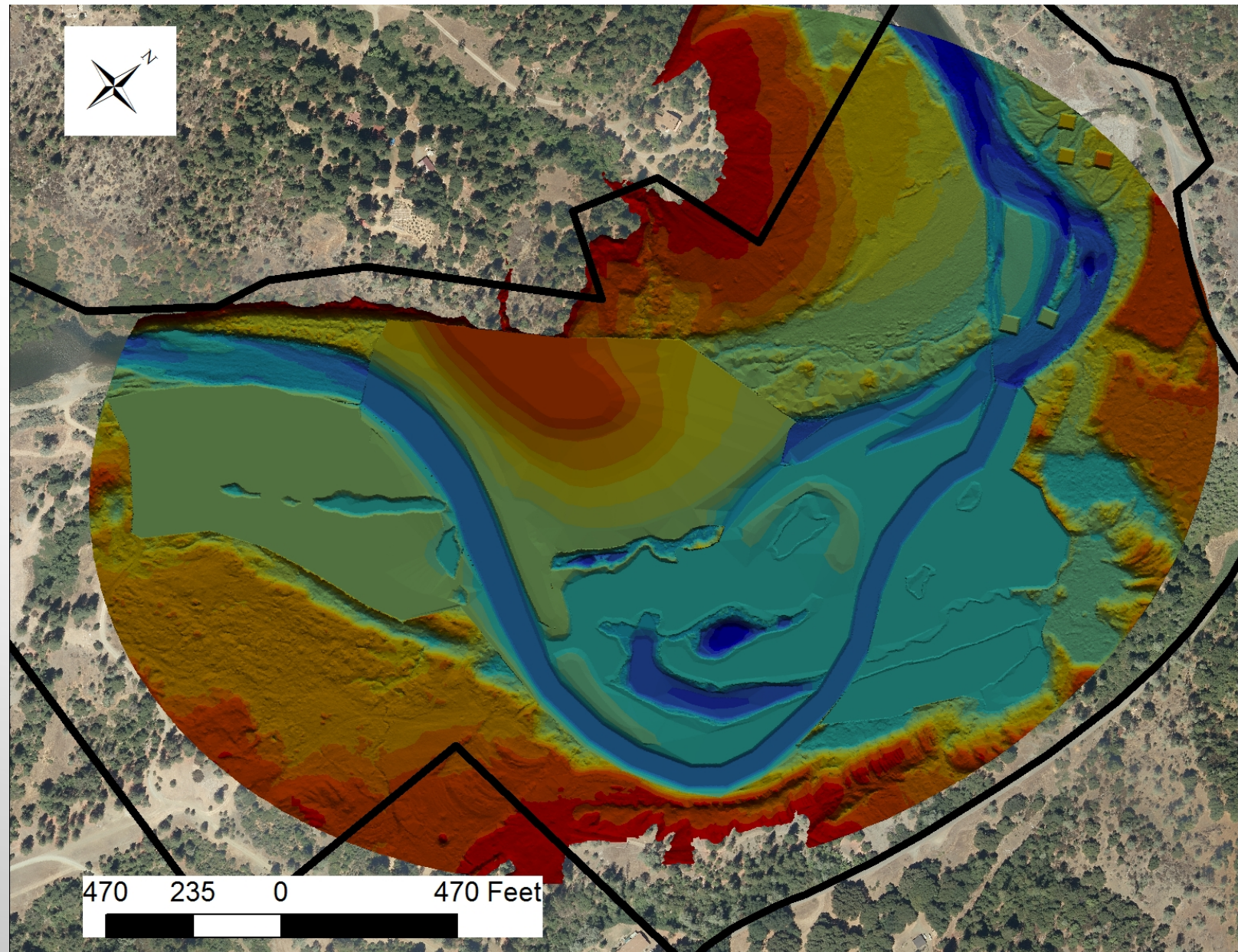
- RECONNECT RIVER WITH ITS VALLEY
- INCREASE FLOODPLAIN
- PROMOTE DYNAMIC PROCESSES
- ELIMINATE DECREASE IN HABITAT BETWEEN LOW FLOW AND BANKFULL FLOW
- DOUBLE REARING HABITAT (AT A MINIMUM) AT LOWER RANGE OF FLOWS
- IMPROVE RIPARIAN BIOMASS AND ABUNDANCE COMPARED TO EXISTING CONDITIONS

EXISTING REARING HABITAT

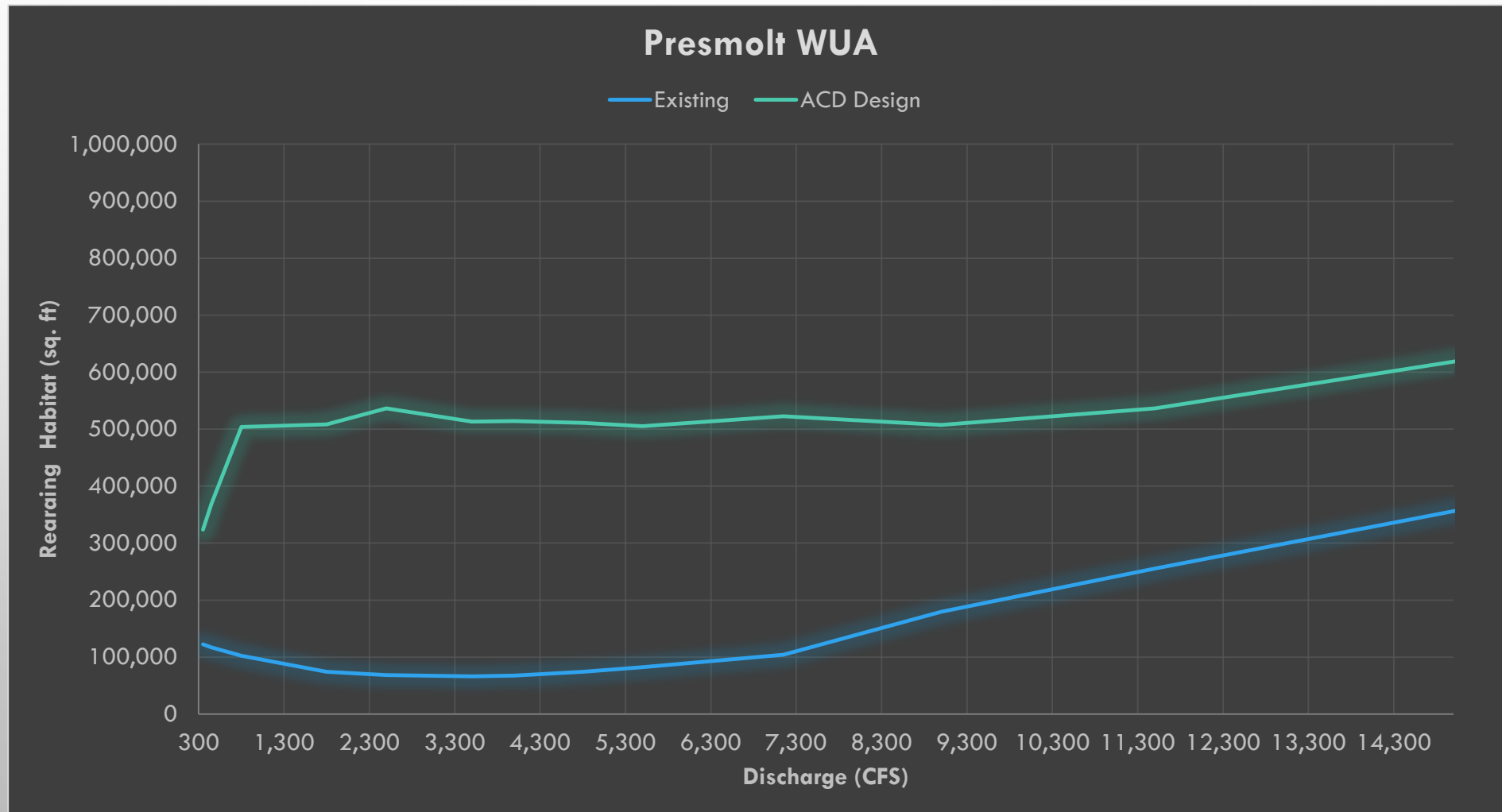


CURRENT DESIGN

- ROUGHLY 400,000 CYD EXCAVATION
- EMULATED LANDSLIDE (KEEP SOME MATERIAL ON SITE)
- SINGLE CHANNEL
- 2 FLOODPLAIN ELEVATIONS



POTENTIAL HABITAT RESULTS



NEXT STEPS

- TERRAIN REFINEMENT
- HYDRAULIC AND HABITAT MODELING
- 60% DESIGN REPORT (REVIEW)
- SEDIMENT TRANSPORT MODELING
- CONSTRUCTION LOGISTICS
 - WHAT DO WE DO WITH ALL THE ROCKS

