

# Flood Control South Fork CDA River Update

Kellogg City, USACOE, BEIPC

# COE Floodplain Management Services Program

- Flood Risk Assessment Modeling Report.
- Current FEMA Flood Maps are based on a 2002 Hydrologic Study. New Report using more current data indicates that there is a considerable difference in hydraulic loadings vs the one used to develop the current FEMA Flood Maps.
- Based on Report presented in February 2019 more work was needed; Alta Engineering compiled current work and developed a scope of work which was presented to FEMA.

# Flood Hydrology

- **2002 Analysis, Elizabeth Park**
  - 50 yr. flood - 10,300 cfs
  - 100 yr. flood – 14,100 cfs
- **2018 Analysis, Elizabeth Park**
  - 50 yr. flood – 6,734 cfs
  - 100 yr. flood 8,002 cfs
- **2002 Analysis, Pinehurst**
  - 50 yr. flood – 16,955 cfs
  - 100 yr. flood – 22,150 cfs
- **2018 Analysis, Pinehurst**
  - 50 yr. flood - 11,191 cfs
  - 100 yr. flood – 12,699 cfs

# Alta Engineering Scope of Work Summary for COE Program

- Included COE Modeling Report.
- Map locations for CERCLA Remedy Protection side drainage projects.
- Submitted to FEMA in August 2019.
- Conference call with FEMA, COE, BEIPC, City of Kellogg concerning summary in November 2019 to discuss flood map revisions.

# Additional Work Needed

- Gather survey data on reach of river cross-sections from Elizabeth Park to Pinehurst.
- Work funded by BEIPC and Kellogg City.
- Work performed by Alta Engineering and submitted to COE for use in finalizing modeling report.
- COE finalize report February 2020.
- Revise FEMA Flood Maps.

# Flood Map Revision

- A letter of map revision LOMR for the modeled reach is needed.
- LOMR application is required to be submitted to FEMA.
- Objective of LOMR is to obtain a letter from FEMA officially revising the current flood map to show changes to flood plains, regulatory floodways or flood elevations per 44 CFR Parts 60,65 and 72.

# Next Actions Needed

- Secure funding for LOMR request – cost estimated for this work is \$35,000.
- Contract with consultant to prepare LOMR request.
- Submit request to FEMA for action.
- Pursue funding for Levy upgrade in vicinity of Bunker Ave Bridge – only true leveed and occupied reach in the study area where upgrade is needed from COE report.