

Upper and Lower Sawyer Mill Dam Removal Project

Bellamy River

Dover, NH



GOMEZ AND SULLIVAN
ENGINEERS



Tighe&Bond

The H.L. Turner Group Inc.

PROJECT PARTNERS AND FUNDERS



LEAD FEDERAL AGENCY



US Army Corps of Engineers



UPPER DAM



LOWER DAM



GOALS OF THE SAWYER MILL DAM REMOVAL PROJECT

- Remove 2 High Hazard Dams
- Reduce water surface elevation by 7+ ft during the 100 year storm
- Remove 3,000 cubic yards of contaminated sediment
- Restore river herring passage to 1 river mile
- Restore 21 acres of floodplain wetland
- Remove Sawyer Mill Pond from EPA's 303(d)/305(b) list

DAM SAFETY

ENV-WR 303.11: High Hazard Dams must meet runoff generated by 250% of a 100 year storm event with one foot of freeboard



Upper Dam Spillway Capacity **810 cfs**

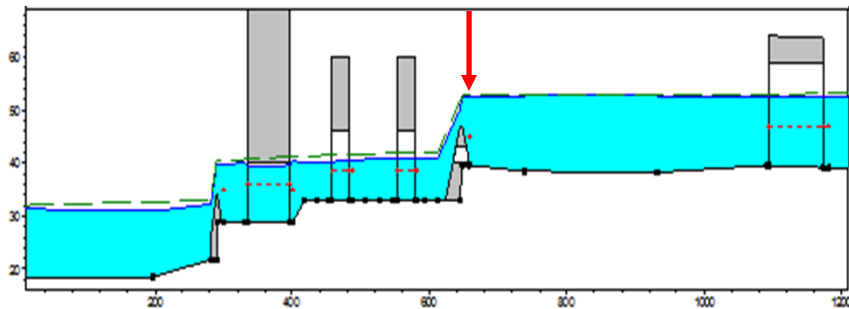


Lower Dam Spillway Capacity **3,065 cfs**

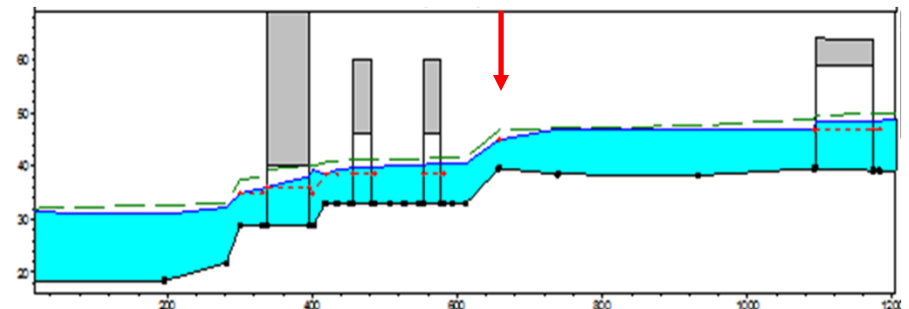
	Bellamy River Discharge at Sawyer Mill (cfs)	Regulatory Design Standard (250%)
100- Year (SCS)	1,495	2,949
100- Year (NRCC)	2,949	7,373

FLOOD HAZARD

100 YEAR WATER SURFACE ELEVATION - DAMS IN PLACE



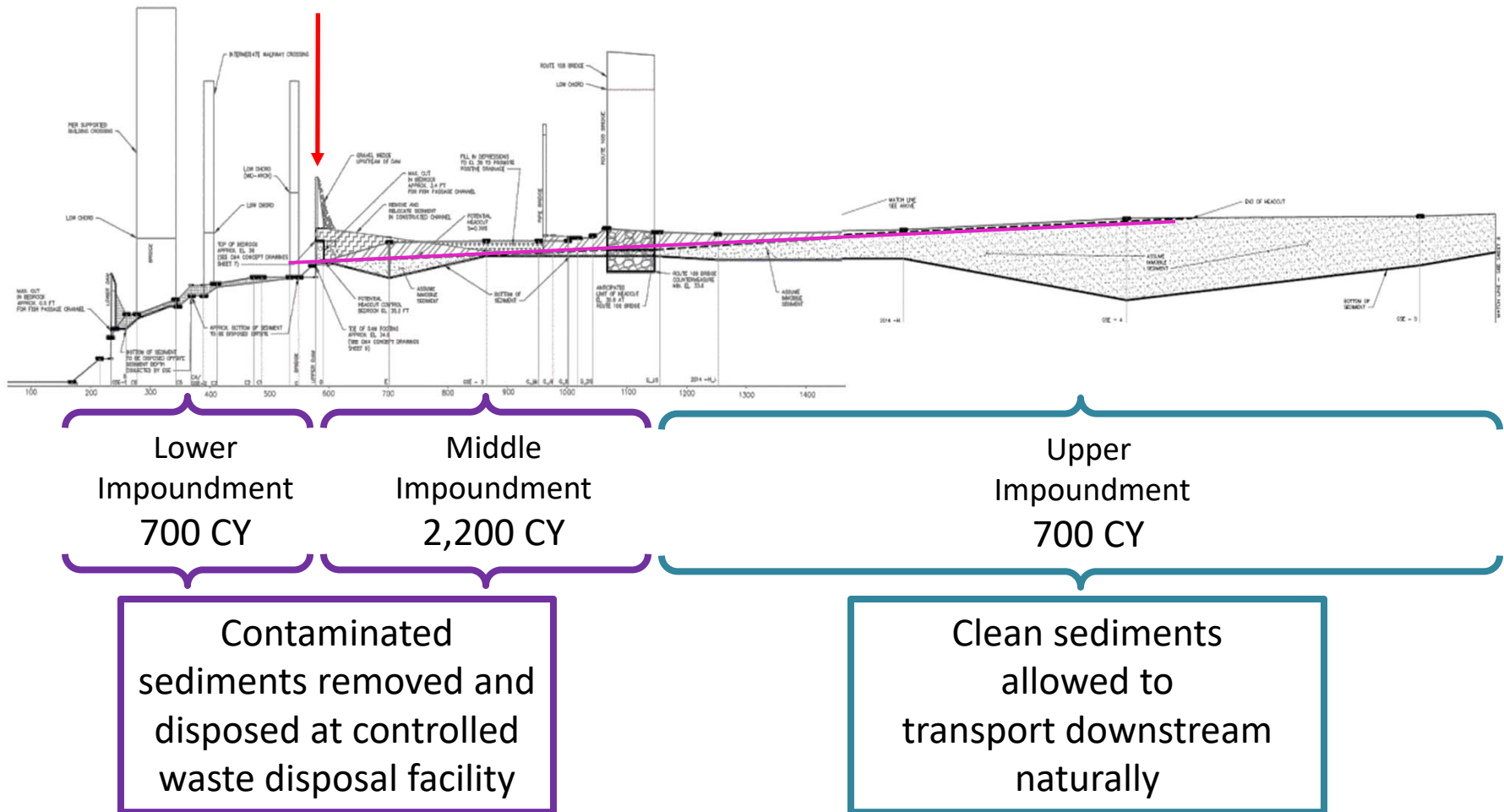
100 YEAR WATER SURFACE ELEVATION - DAMS REMOVED



100 YEAR WATER SURFACE ELEVATION (WSE) AT SAWYER MILL DAMS

	DAMS IN PLACE	DAMS REMOVED	CHANGE IN WATER SURFACE ELEVATION
SCS Upper Dam	50.30	43.43	6.87
NRCC Upper Dam	52.63	44.90	7.73
SCS Lower Dam	37.97	32.87	5.1
NRCC Lower Dam	39.94	34.97	4.97

SEDIMENT MANAGEMENT



UPPER DAM REMOVAL



LOWER DAM REMOVAL

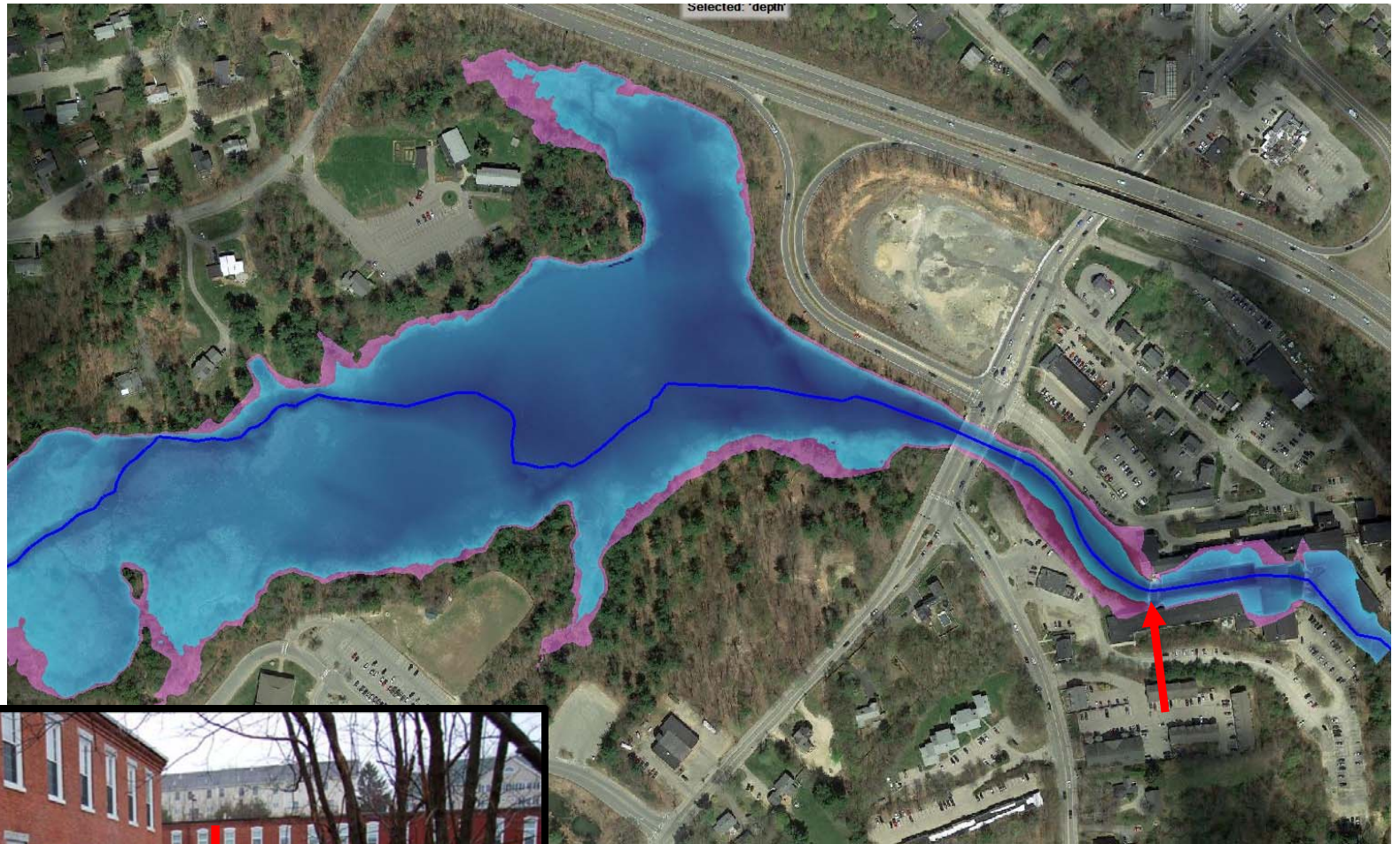


FISH PASSAGE



FLOODPLAIN WETLAND RESTORATION





LETTER OF MAP REVISION