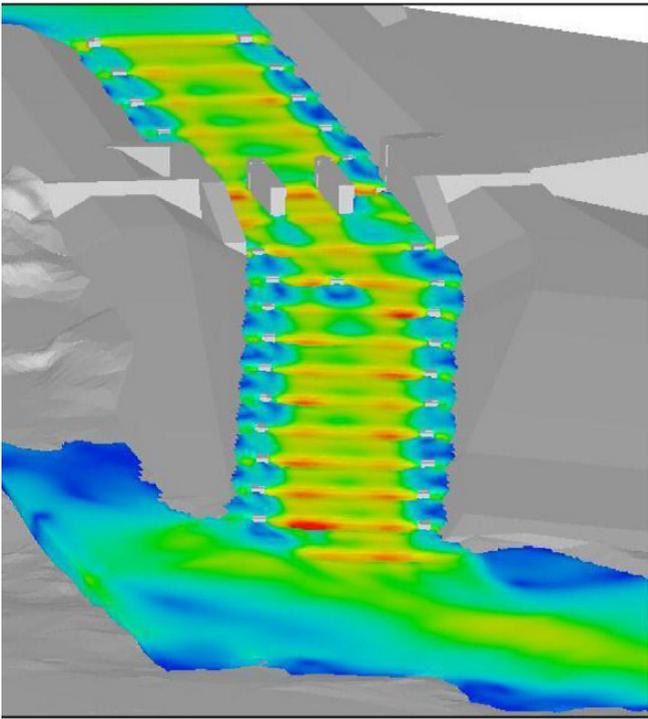


FLOW-3D[®]

HYDRO

FISH PASSAGES



Courtesy of AECOM

FLOW-3D HYDRO is the ideal tool for the design and analysis of fish passage structures. Highly accurate 3D simulations of complex free surface conditions provide advanced investigations of upstream passage success through the evaluation of flow velocities, depths, drop heights and turbulence characteristics along potential movement pathways.

Additionally, **FLOW-3D HYDRO** can be used for downstream passage behavior guidance, barrier design and habitat suitability evaluations. Our advanced postprocessing tool, FlowSight™, allows for easy and seamless analysis of simulation results.

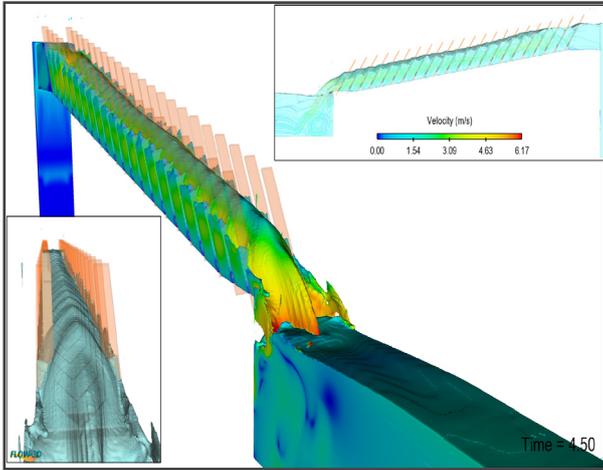
FLOW-3D®

We Solve the World's Toughest CFD Problems

FISH PASSAGES

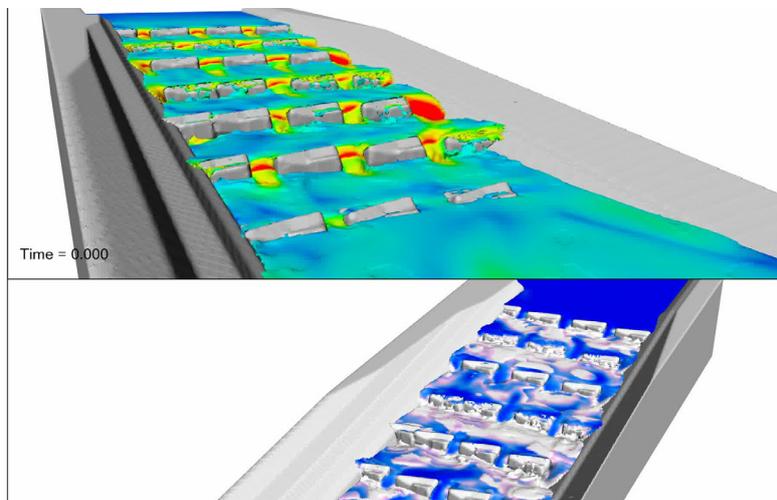
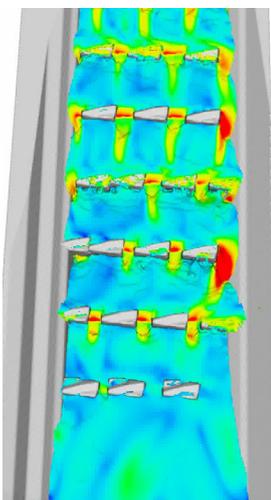
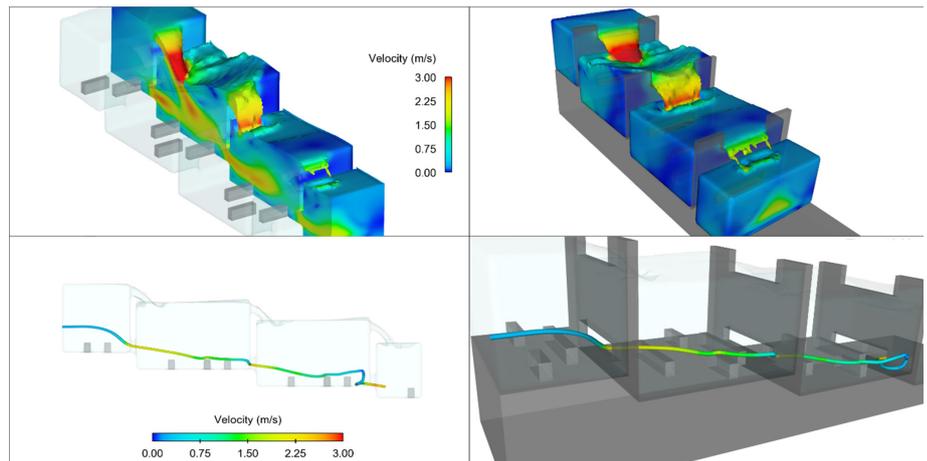
APPLICATIONS

- Design of upstream passage structures
- Evaluation of fish passage success criteria
- Invasive species barrier design
- Optimization of attraction flows
- Entrance location siting
- Downstream behavioral guidance
- Diversion screening



Denil fishway

FLOW-3D HYDRO
simulation of a pool-weir orifice type fishway. Hydraulic characteristics along potential movement pathways are extracted and analyzed.



FLOW-3D HYDRO
simulation of a nature-like fishway