



Hopkins Pumphouse

Main Tether

Power: 375Vdc / 300Vdc
Ethernet: Gb Fiber (x2)
Enriched Seawater

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Seawater

Shallow Water
FOCE
Experiment
(MBARI)



FOCE Tether

Power: 375Vdc
Comms: 10/100 Ethernet Cu

KFCL Micro Node

Onboard Optical-Electrical Converters
Passes power through

KFCL Central Node

HV-to-LV DC-DC Converters
Passes FOCE power through
Load switching to Science Ports

Four Science Ports

Power: Low Voltage
Comms: 10/100 Ethernet Cu

KFCL Onboard Instrumentation