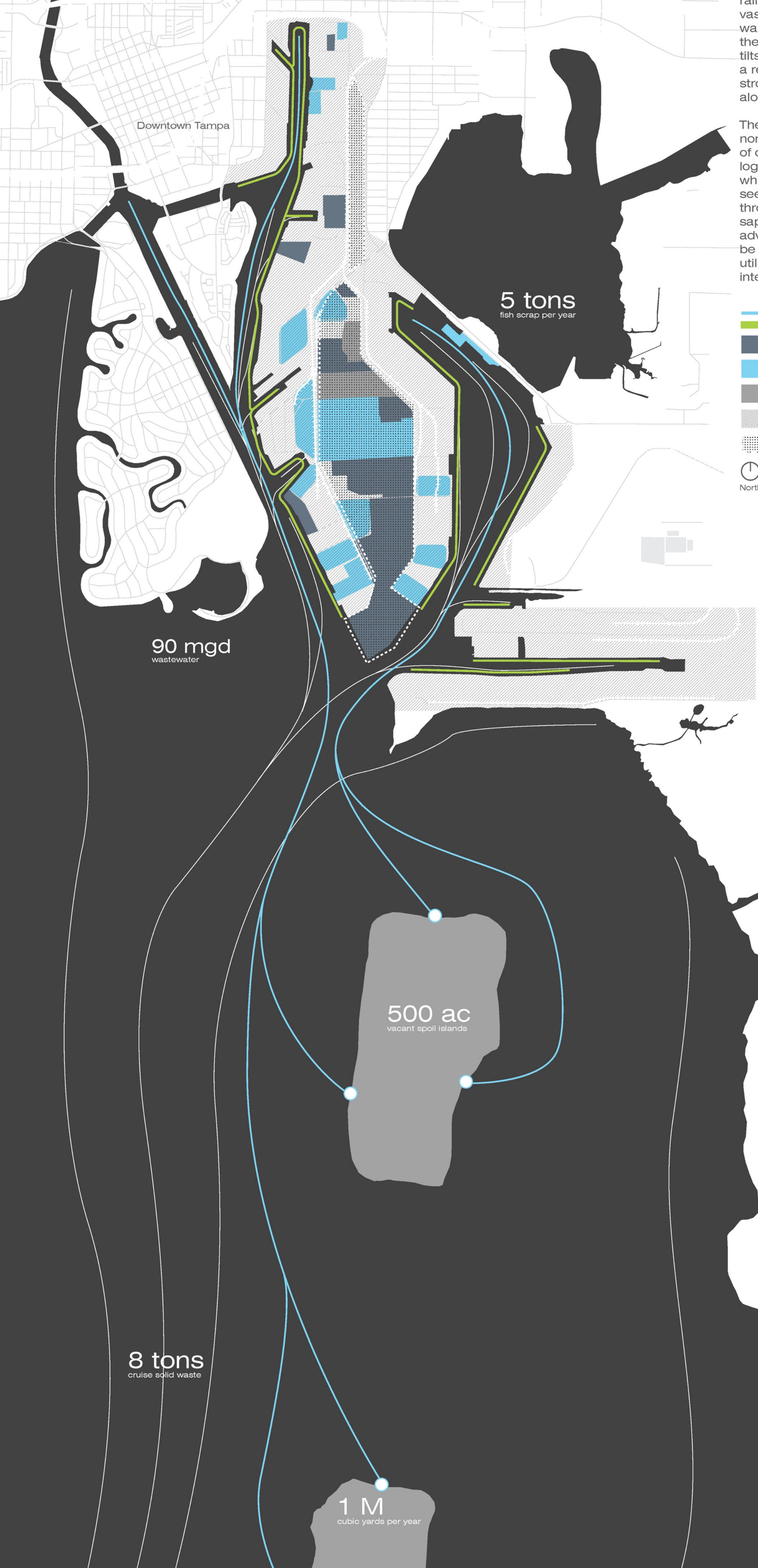


PORT+WASTE

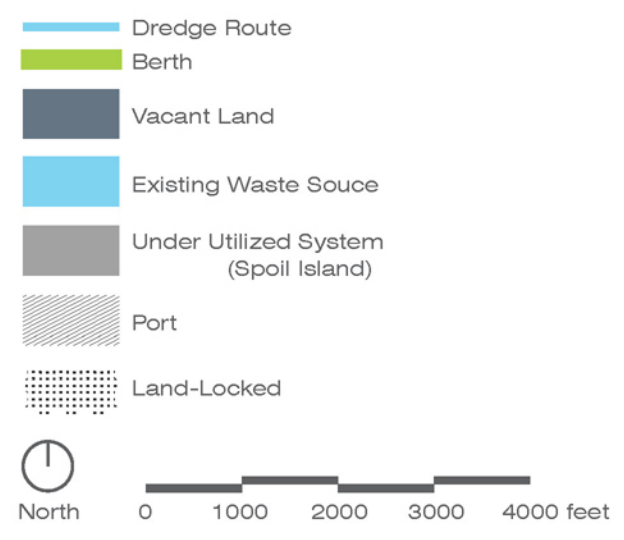
an opportunistic infrastructure intervention



ABSTRACT

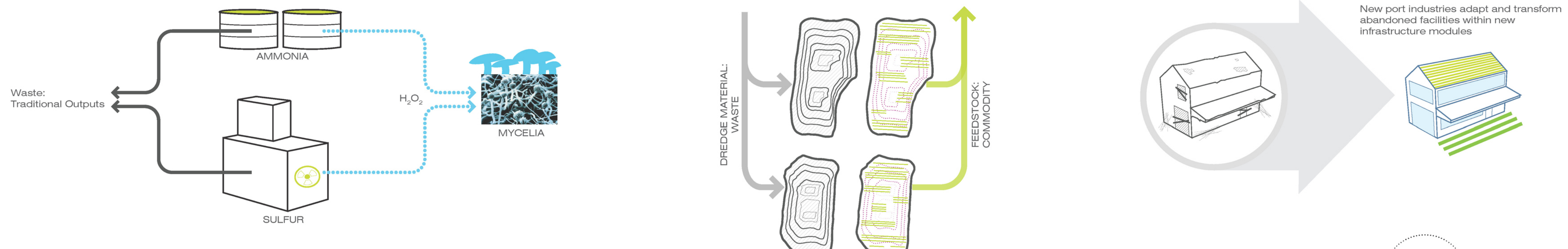
Most ports in the US and across the globe function solely as gateways for trade. They are purposefully designed to move goods from road to water to rail and vice versa. Ports are characterized by vast landscapes of pavement, storage tanks, warehouses, and desolate fields of weeds. As the virtual universe grows and the economy tilts toward global trade, many ports have seen a retreat of manufacturing and have focused strongly on logistics - leaving blighted urban voids along city waterfronts.

The Port+Waste concept is a socio-economic proposal seeking to harness the entropy of opportunity that exists at the intersection of logistics, raw materials, and underutilized land which pervades today's port land. The proposal seeks to invoke an economy built on sustainability through collocation of industries which share saprophytic relationships. The proximal advantages of these cooperative industries will be based on waste stream siphoning, byproduct utilization, energy harvesting, and fostering intellectual capital based on industrial innovation.



BLIGHT:
Abandoned Facilities
Vacant Land
Failing Waste Infrastructure

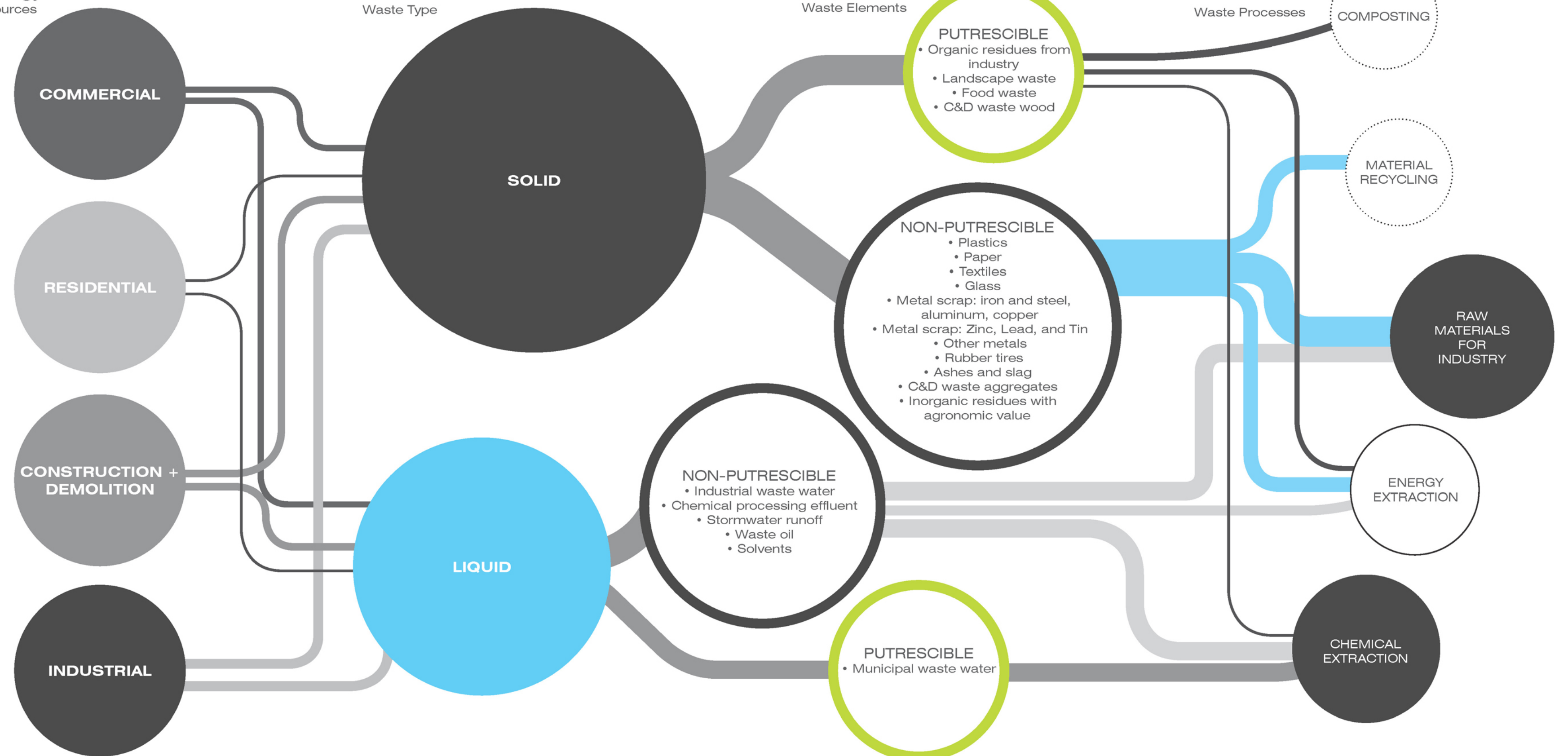
3 Waste Opportunities:



The Port of Tampa, like many seaports, is a pass-through point for materials with significant bulk, quantity, or properties that favor an ocean route over air or land. Ports often include a human cargo component in the recreational travel category - normally for short, roundtrip leisure cruises on ships carrying up to 7,500 passengers per voyage.

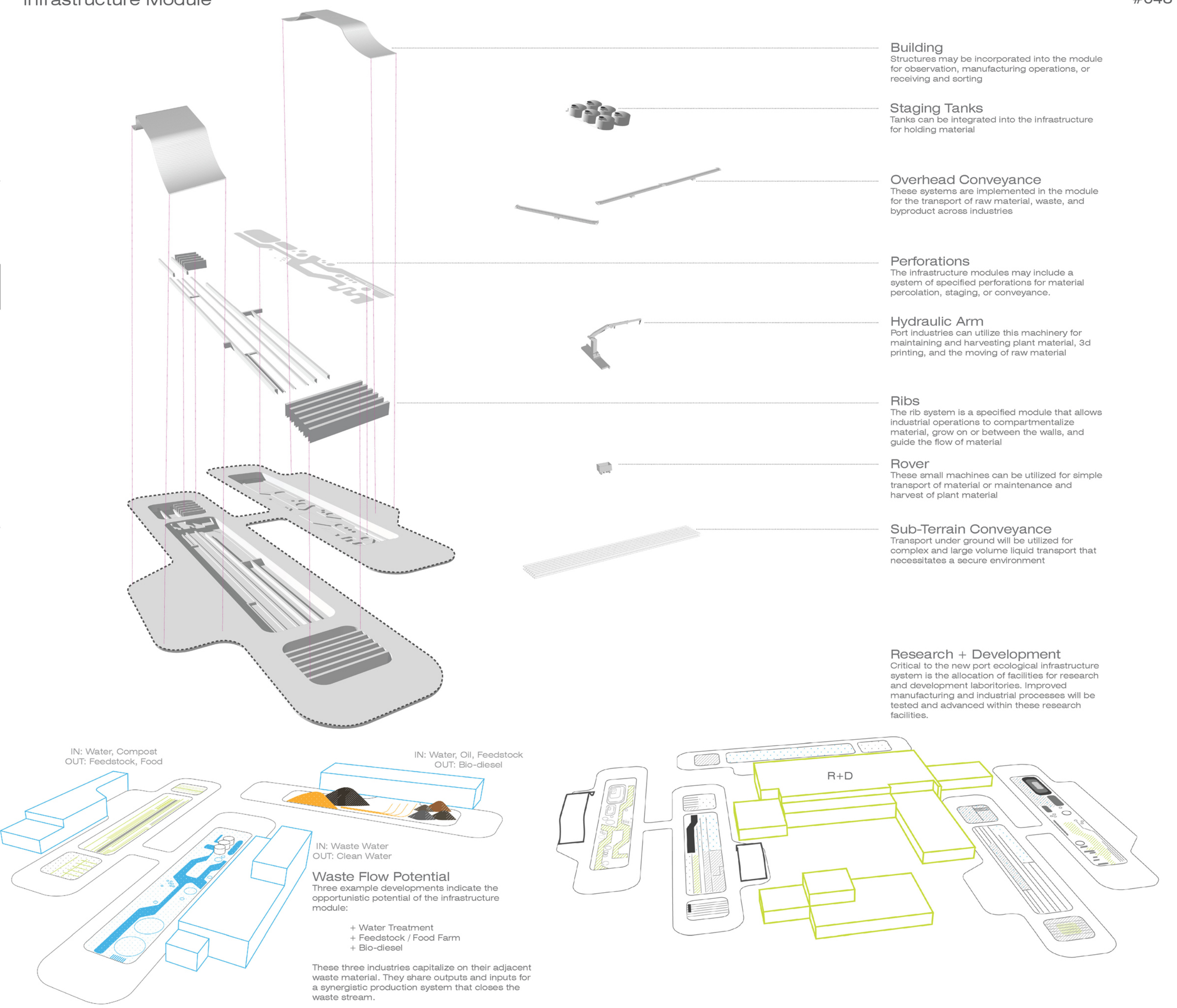
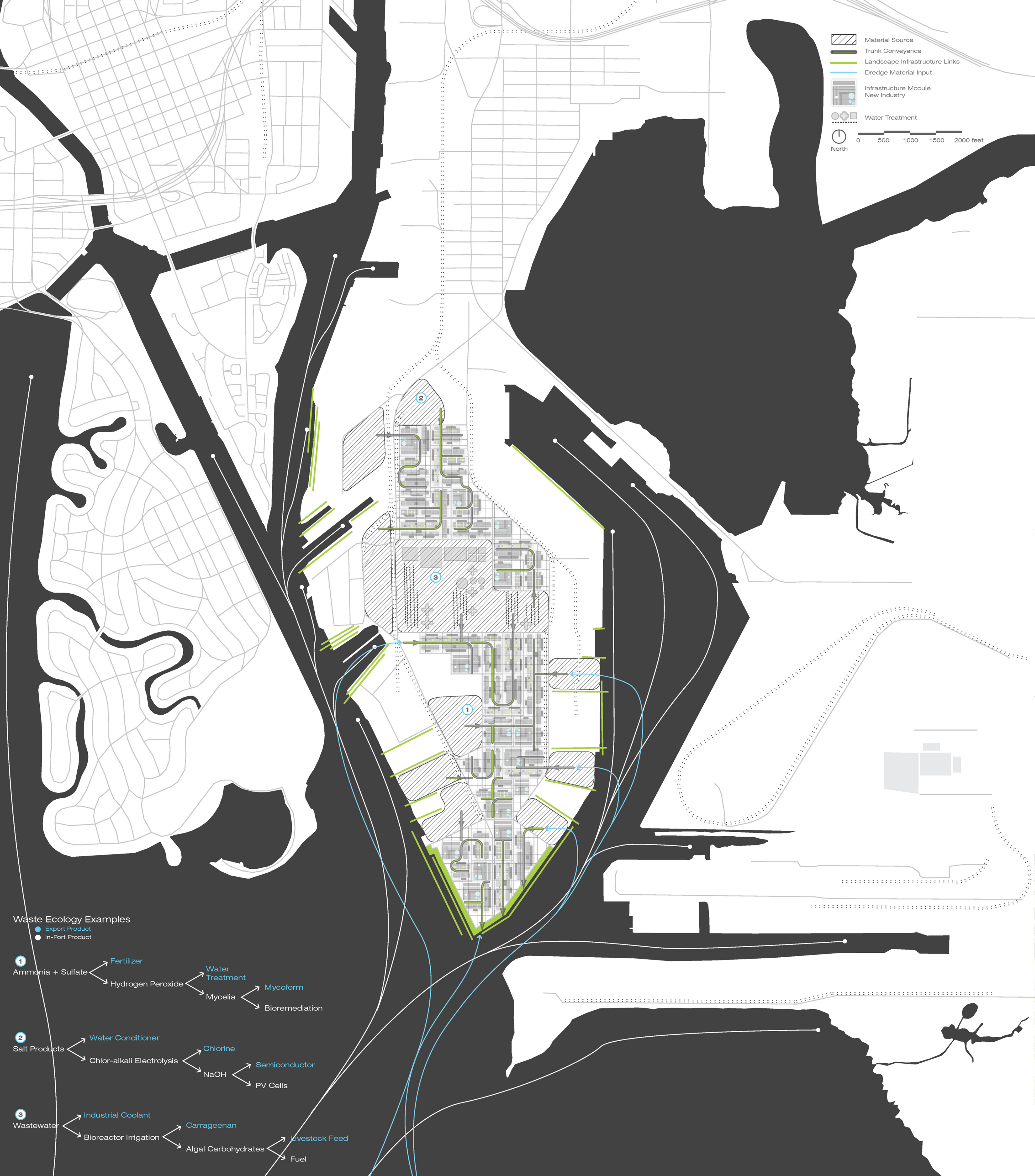
These functions remain crucial to global trade and economic stability. However, there is a significant level of potential energy available in vacant dock lands, spoil islands, and new industries that could supplement the existing economy of logistics. The Port of Tampa has a considerable amount of waste - land and abandoned facilities, material resources, and potential economic synergies - which presents opportunity for innovative design.

Waste Ecology: Sources



PORT+WASTE

an opportunistic infrastructure intervention



Infrastructure Module Operations

The waste chain infrastructure is composed of multiple units of linear industrial plots intended to provide multiple modes of material processing and conveyance when joined in series. Each chain will link industries that share either a common waste stream source such as wastewater, or they may share byproducts from multiple sources; thereby creating a dynamic network of infrastructure that grows organically.

