

All water systems to be powered by PV solar panels or wind power.

**WATER SYSTEM KEY**

Inflow - - - - ->  
Outflow .....>

Potable Water [Blue Box]  
Light Gray Water [Light Gray Box]  
Dark Gray Water [Dark Gray Box]  
Black Water [Black Box]

**SEAWATER SYSTEM**

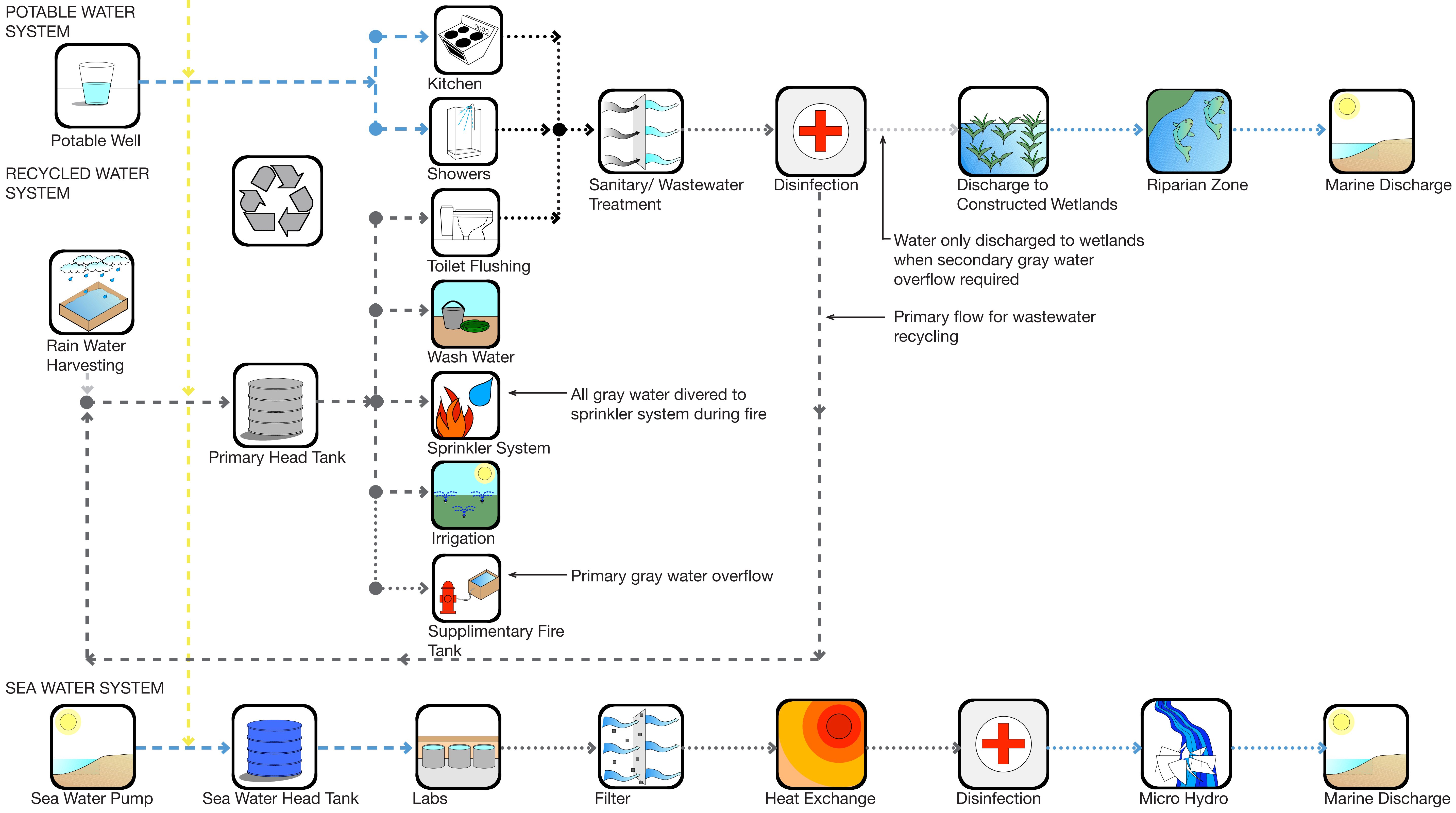
- Seawater Pump
- Seawater Head Tank
- Labs
- Filter
- Heat Exchange
- Disinfect
- Micro Hydro & Marine Discharge

**RECYCLED WATER SYSTEM**

- Rain Water Harvesting and Run-Off Collection
- Disinfection
- Primary Gray Water Tank
- Gray Water Use
  - Toilet Flushing
  - Wash Water
  - Sprinkler System- Primary During Emergency
  - Irrigation
  - Primary Gray Water Overflow- Supplementary Fire Tank
- Sanitary/Waste Water Treatment System
- Primary Flow- Gray Water Reuse
- Secondary Overflow- Disinfection
- Discharge to Site- Constructed Wetlands
- Riparian Zone
- Marine Discharge

**POTABLE WATER SYSTEM**

- Well
- Potable Water Use
  - Kitchen
  - Showers- Heat Recovery
- Join Into Recycled Water System At Sanitary/Waste Water Treatment



# WATER SYSTEMS

Deep Bay Field Station  
Centre for Shellfish Research  
VANCOUVER ISLAND UNIVERSITY  
DEEP BAY, BRITISH COLUMBIA



LARRY McFARLAND ARCHITECTS LTD

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303 - 2930 Arbutus Street, Vancouver, BC V6J 3Y9