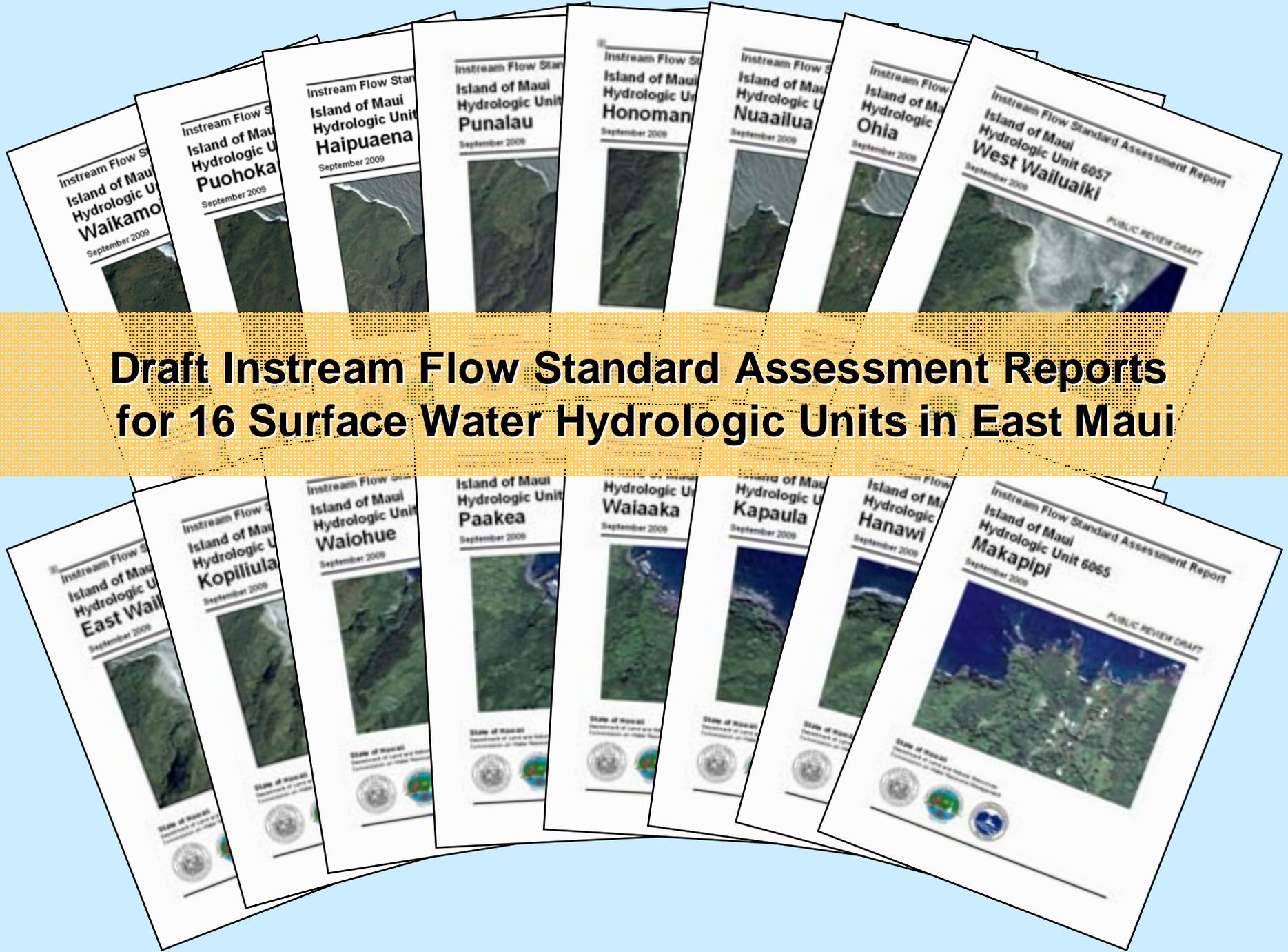
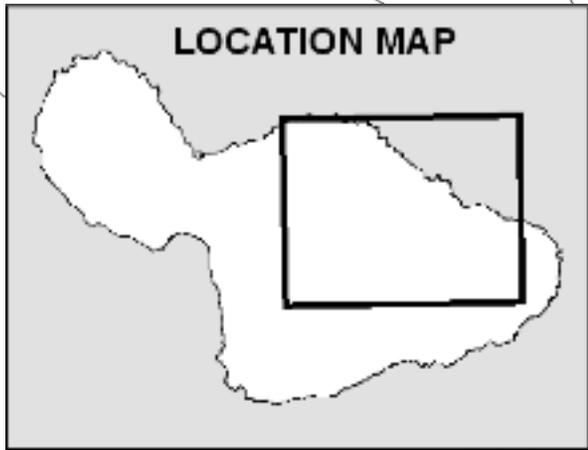
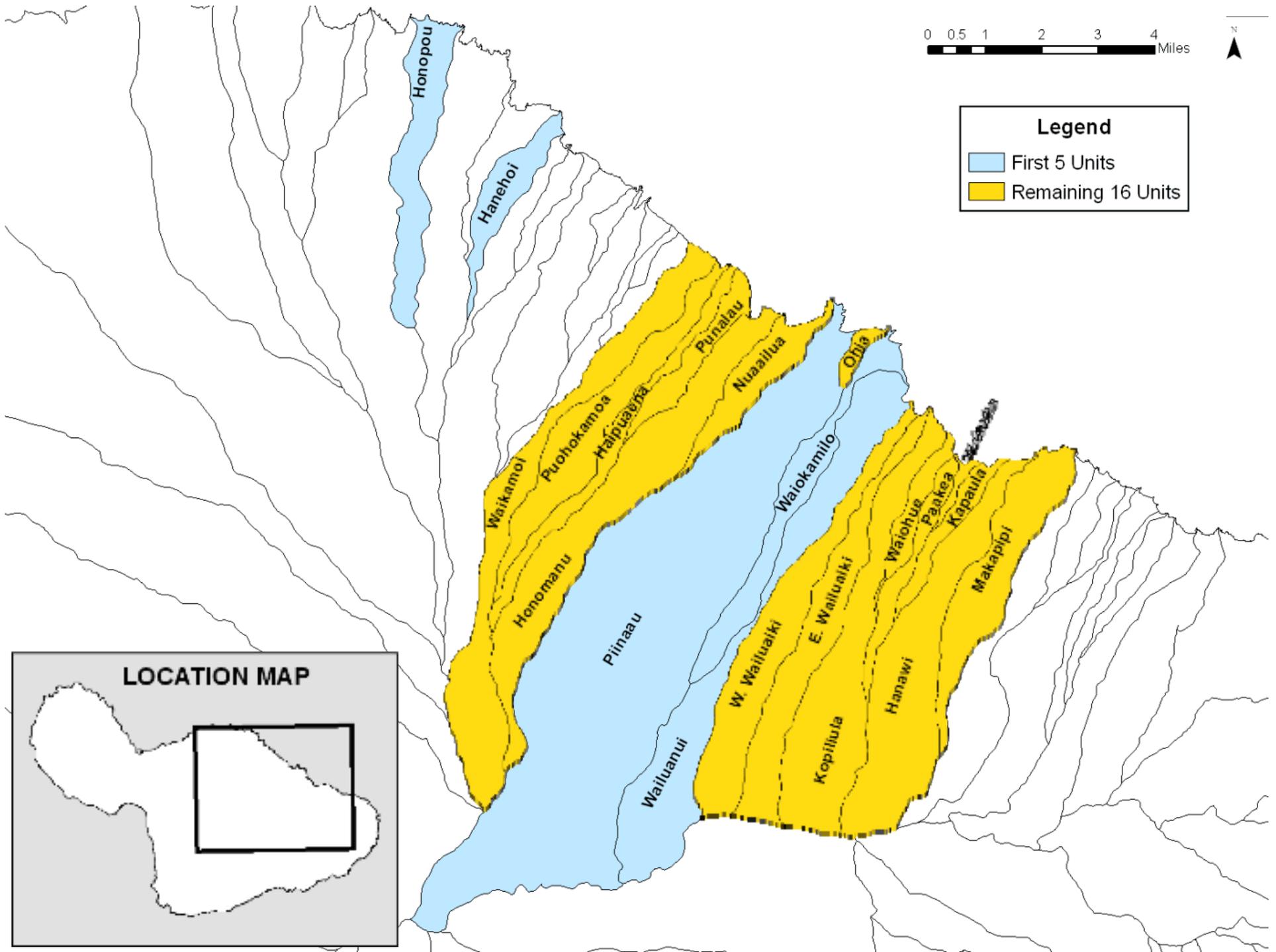


**Draft Instream Flow Standard Assessment Reports
for 16 Surface Water Hydrologic Units in East Maui**





Report Outline

1.0 Introduction

- General overview
- IFS process
- Surface water definitions

2.0 Unit Characteristics

- Geology and soils
- Climate
- Land use

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Report Outline

3.0 Hydrology

- Surface and ground water interaction
- Streamflow characteristics (based on 1999 and 2005 USGS studies)

4.0 Maintenance of Fish and Wildlife Habitat

- Impacts on native species distribution
- USGS habitat availability study
- Distribution of native fish species



Report Outline

5.0 Outdoor Recreational Activities

- Hawaii Stream Assessment (camping, hiking, fishing, hunting, swimming, boating, parks, scenic views)
- Educational opportunities

6.0 Maintenance of Ecosystems

- Forest reserves and wetlands
- Watershed partnerships
- Critical habitats
- Native versus alien species



Report Outline

7.0 Aesthetic Values

- Scenic views and waterfalls
- State parks

8.0 Navigation

- Commercial and recreational boating

9.0 Instream Hydropower Generation

- Hydropower plants



Report Outline

10.0 Maintenance of Water Quality

- Water quality evaluations
- Marine and inland water classification
- 2006 List of Impaired Waters

11.0 Conveyance of Irrigation and Domestic Water

- Surface water for domestic uses
- Drinking water wells



Report Outline

12.0 Traditional and Customary Hawaiian Rights

- Appurtenant water rights
- Traditional gathering and taro cultivation
- Other historical uses (Hawaii Stream Assessment)

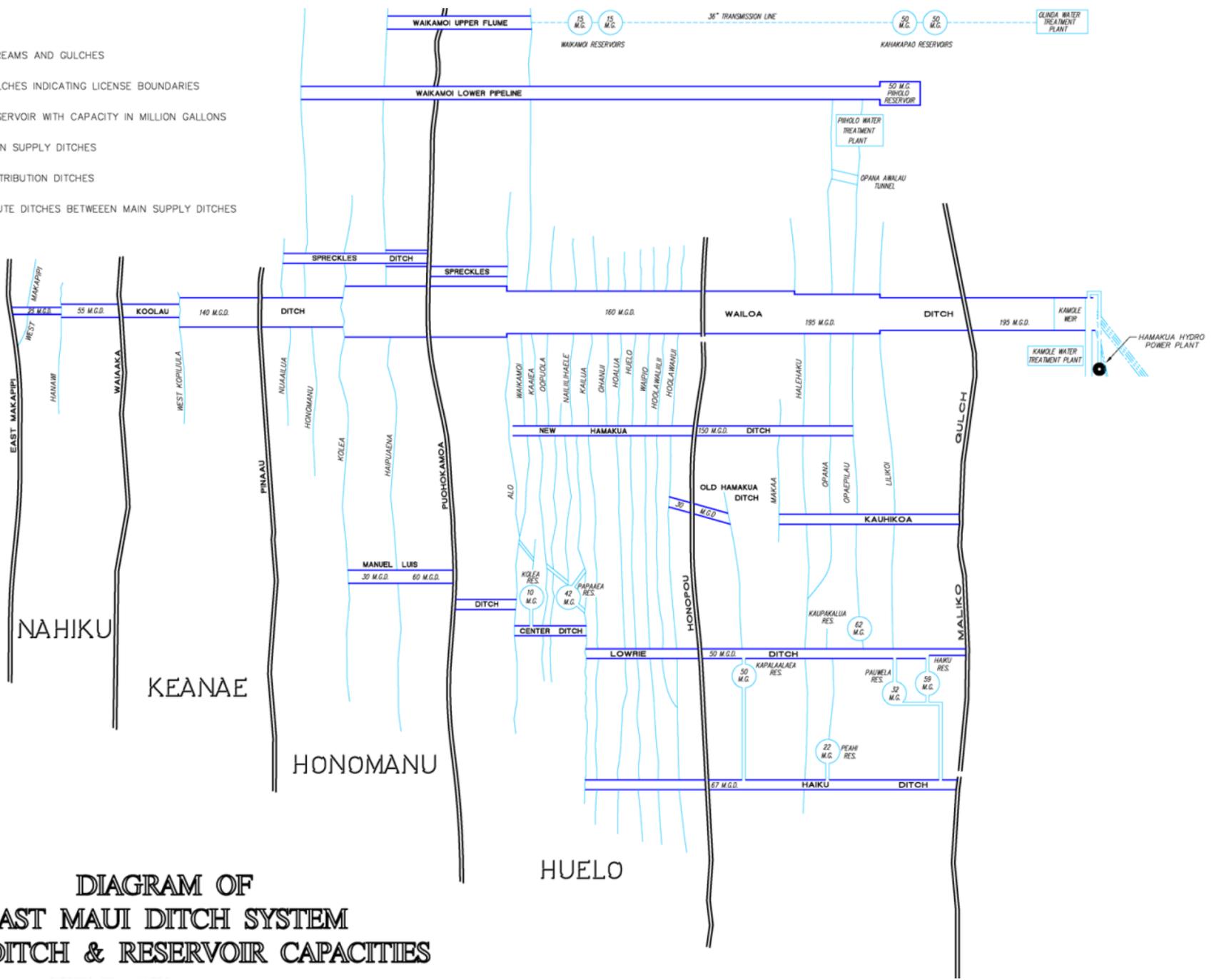
13.0 Noninstream uses

- List of stream diversions
- Overview of EMI and Maui DWS Upcountry System
- Surface water / system users

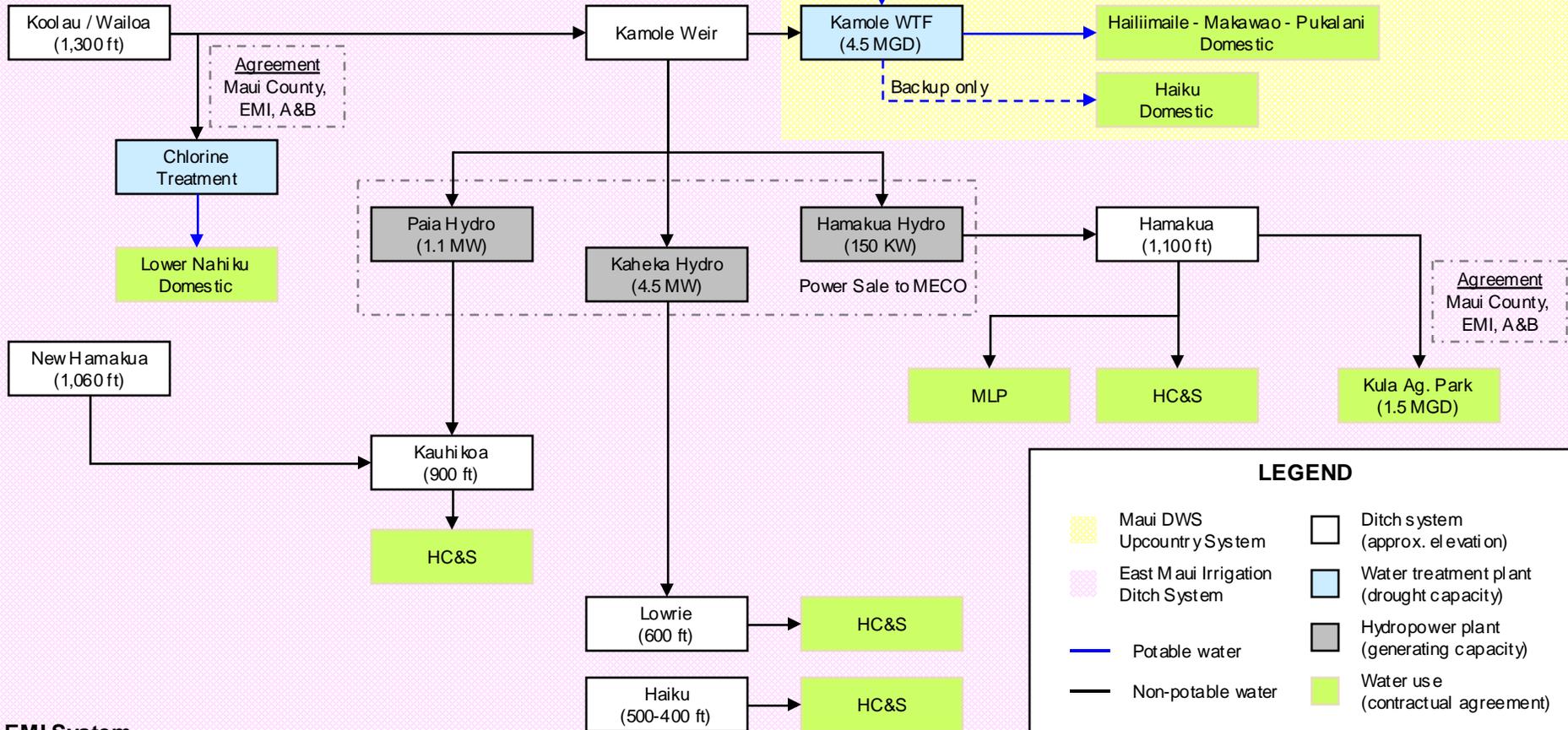
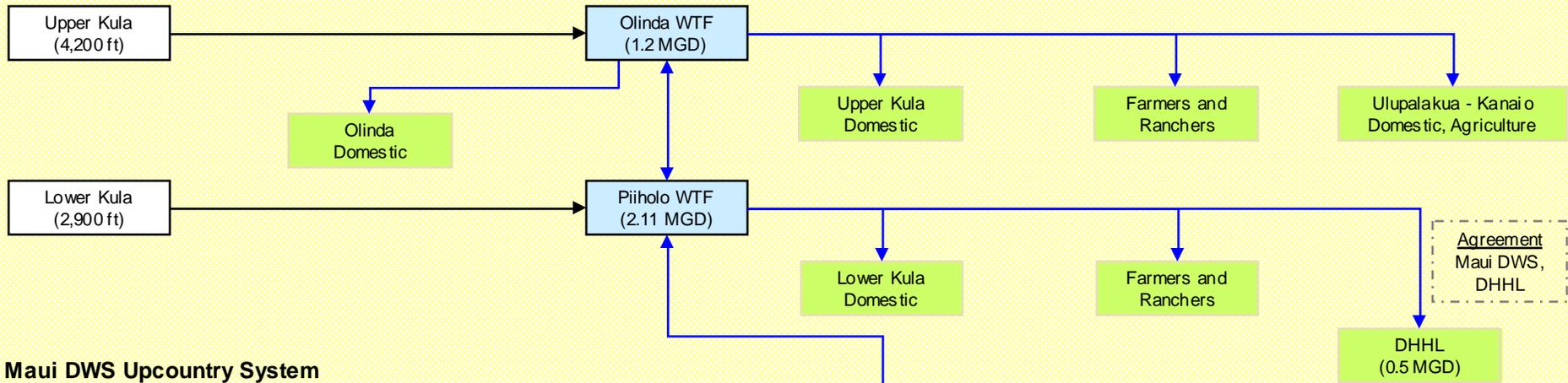


KEY:

-  STREAMS AND GULCHES
-  GULCHES INDICATING LICENSE BOUNDARIES
-  RESERVOIR WITH CAPACITY IN MILLION GALLONS
-  MAIN SUPPLY DITCHES
-  DISTRIBUTION DITCHES
-  CHUTE DITCHES BETWEEN MAIN SUPPLY DITCHES



**DIAGRAM OF
EAST MAUI DITCH SYSTEM
WITH DITCH & RESERVOIR CAPACITIES**



LEGEND	
	Maui DWS Upcountry System
	East Maui Irrigation Ditch System
	Potable water
	Non-potable water
	Ditch system (approx. elevation)
	Water treatment plant (drought capacity)
	Hydropower plant (generating capacity)
	Water use (contractual agreement)