

C-2-g. Cropland Maui Benchmark System Worksheet

1	STATE	Hawaii
2	FIELD OFFICE	Wailuku
3	MLRA	158
4	COMMON RESOURCE AREA (CRA)	Cropland Maui
5	RESOURCE INTERPRETATIONS	<i>see Section II FOTG for interpretations</i>
5.1	SOIL	Maui - Waiakoa-Keahua-Molokai association Pulehu-Ewa-Jaucas association Hana-Makaalae-Kailua association Pauwela-Haiku association Honolua-Olelo association Puu Pa-Kula-Pane association
5.2	WATER	Not Available
5.3	AIR	Not Available
5.4	PLANT	Not Available
5.5	ANIMAL	Not Available
5.6	HUMAN	Not Available
6	HYDROLOGIC UNIT	20020000
7	SYSTEM TEMPLATE LABEL	CMA00
8	SYSTEM NAME	Cropland Maui, Benchmark
9	PLANNING PHASE	Benchmark
10	PLANNING LEVEL	Not Applicable
11	NRCS LANDUSE	CROP
12	EXISTING CONSERVATION PRACTICES	
		1. None 2. 3. 4. 5.

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13	SYSTEM NARRATIVE	
	<p>Representative Areas: All cropland on Maui.</p> <p>Land Use: Cropland - sugarcane, pineapple, truck crop, orchard, and flowers.</p> <p>Topography: Flat to steep slopes.</p> <p>Soil: Maui -</p> <p style="margin-left: 20px;"><u>Waiakoa-Keahua-Molokai association</u>: Moderately deep and deep, nearly level to moderately steep, well drained soils that have a moderately fine textured subsoil; on low uplands.</p> <p style="margin-left: 20px;"><u>Pulehu-Ewa-Jaucas association</u>: Deep, nearly level to moderately sloping, well-drained and excessively drained soils that have a moderately fine textured and coarse-textured subsoil or underlying material; on alluvial fans and in basins.</p> <p style="margin-left: 20px;"><u>Hana-Makaalae-Kailua association</u>: Moderately deep and deep, gently sloping to steep, well-drained soils that have a moderately fine textured or fine textured subsoil or underlying material; on intermediate uplands.</p> <p style="margin-left: 20px;"><u>Pauwela-Haiku association</u>: Deep, gently sloping to moderately steep, well-drained soils that have a fine-textured subsoil; on low uplands.</p> <p style="margin-left: 20px;"><u>Honolua-Olelo association</u>: Deep, gently sloping to moderately steep, well-drained soils that have a fine-textured subsoil; on intermediate uplands.</p> <p style="margin-left: 20px;"><u>Puu Pa-Kula-Pane association</u>: Deep, gently sloping to steep, well-drained soils that have a medium-textured or moderately fine textured subsoil or underlying material; on intermediate and high uplands.</p> <p>Rainfall 15 - 75" per year.</p> <p>Special Conditions:</p>	

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14	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil / Erosion / Sheet & Rill Erosion	1. Soil loss exceeds acceptable tolerance level. Sheet & rill erosion estimated at _____ tons/acre/year.
	2. Soil / Erosion / Wind Erosion	2. Land is scoured by wind.
	3. Soil / Erosion / Ephemeral Gully	3. Gullies develop after rainfall events.
	4. Soil / Erosion / Classic Gully	4. Gullies are increasing in depth and width.
	5. Soil / Erosion / Streambank Erosion	5. Stream banks and bottoms are not stabilized.
	6. Soil / Condition / Tilt, Crusting, Infiltration, Organic Matter	6. Soil contains little organic matter. Water infiltration is reduced.
	7. Soil / Condition / Soil Compaction	7. Soil is compacted and forms a plow pan within the root zone of the crop.
	8. Soil / Condition / Excess Chemicals in Soil	8. Pesticide residue buildup found in soil.
	9. Soil / Condition / Other (Chemistry)	9. Soil analysis shows excess acidity in the topsoil.
	10. Water / Quantity / Irrigation Water Management	10. Distribution and application of existing water supplies are ineffective.
	11. Water / Quantity / Runoff / Flooding	11. Floodwater cause damage to cropland and residential areas.
	12. Water / Quantity / Streams/Lakes Restricted Capacity	12. Streams and watercourses contain or transport sediment deposits.
	13. Water / Quality / Pesticides in Groundwater	13. Pesticides have been detected by DOH in some groundwater wells.
	14. Water / Quality / Nutrients & Organics in Groundwater	14. According to DOH reports, state water quality standards have been exceeded for nutrients in some coastal waters.
	15. Water / Quality / Suspended Sediment & Turbidity in Surface Water	15. According to DOH reports, state water quality standards have been exceeded for turbidity in some coastal waters.
	16. Air / Quality / Airborne Sediment & Smoke Particles - Onsite Safety	16. Agricultural activities create dust clouds and large amounts of fugitive dust.