

**CONSERVATION SECURITY PROGRAM (CSP) 2006
REQUIREMENTS TO MEET 0.5 FOR WILDLIFE RESOURCE CONCERN—TIER III**



Applicant Name: _____
NRCS Hawaii Stream Visual Assessment Protocol

Date: _____

Assessed By: _____

Version 1.0

**SCORING SHEET
FOR THE ELEMENTS**

1. TURBIDITY (indicator of present erosion)

For CSP 2006—N/A. Land owner does not have control of upstream conditions that may affect turbidity.

Condition	Score
Very clear; objects visible at depth to the bottom.	2.0 - 1.5
Moderately turbid	1.0 - 0.5
Very turbid	0

2. PLANT GROWTH (indicator of eutrophication)

For CSP 2006—Tier III, score must be ≥ 1.5

Condition	Score
Water clear with no significant algal scum or microalgae; rocks may be slimy but algae not obvious	2.0 - 1.5
Large clumps of macroalgae present, or distinctive green/brown scums visible on bottom or sides of stream	1.0 - 0.5
Water distinctly green or pea green; or channel choked with grasses	0

3. CHANNEL CONDITION

For CSP 2006—Tier III, score must be ≥ 1.2

Condition	Score
Natural Channel	2.0 - 1.8
Channelized by humans but natural walls and bottom	1.7 - 1.2
Walls Hardened (e.g. concrete, riprap)	1.1 - 0.6
Walls and Bottom Hardened	0.5 - 0

4. CHANNEL FLOW ALTERATION

For CSP 2006—Tier III, score must be ≥ 1.2

Condition	Score
No withdrawals, diversions, or stormwater/ag water discharge entering segment.	2.0 - 1.8
Temporary, Intermittent withdrawals occurring within segment.	1.7 - 1.2
Permanent, Intermittent withdrawals or stormflow inputs (e.g. culverts occurring within segment.	1.1 - 0.6
Temporary, Constant withdrawals occurring within segment.	0.5 - 0.2
Permanent, Constant withdrawals occurring within segment.	0 - 0.2

5. PERCENT EMBEDDEDNESS

For CSP 2006—N/A. Land owner does not have control of upstream conditions that may affect embeddedness.

Condition	Score
< 10%	2.0
11 - 25 %	1.5 - 1.0
26 - 50 %	0.9 - 0.5
50 - 75 %	0.4 - 0.2
Completely sedimented in (includes hardpan sedimentation)	0

6. BANK STABILITY (total, both sides)

For CSP 2006—Tier III, score must be ≥ 1.5

Condition	Score
> 90% Stable (not bare or erodable)	2.0
75 to 89% Stable (not bare or erodable)	1.5 - 1.9
50 to 74% Stable (not bare or erodable)	1.4 - 1.0
25 to 50% Stable (not bare or erodable)	0.9 - 0.1
<25% Stable (not bare or erodable)	0

7. CANOPY / SHADE

For CSP 2006—Tier III, score must be ≥ 1.0

Condition	Score
Mixed canopy, 20 - 80% cover	2.0 - 1.6
Closed but mixed canopy, >80% cover	1.5 - 1.0
Closed monotypic canopy >80% cover	0.9 - 0.5
Open canopy, 0- 19% cover	0

8. RIPARIAN CONDITION

For CSP 2006—Tier III, score must be ≥ 1.0

Condition	Score
Riparian area same width as floodplain, diverse vegetation, or stream is naturally incised, stable banks. Undisturbed.	2.0 - 1.8
Riparian area width at least two channel widths wide, diverse vegetation, or stream is naturally incised. Minimal Degradation	1.7 - 1.0
Riparian area width at least one channel width wide, or stream is naturally incised, riparian area is somewhat degraded. Regularly grazed, cropped or other disturbance.	0.9 - 0.5
Severely degraded riparian area, less than one channel width wide.	0.4 - 0.2
Little to no riparian vegetation, dirt-lined or fully channelized and lined.	0

9. HABITAT AVAILABLE FOR NATIVE SPECIES

For CSP 2006—Tier III, score must be ≥ 1.0

Condition	Score
5 habitat types available	2.0
4 habitat types available	1.9 - 1.8
3 habitat types available	1.7 - 1.0
2 habitat types available	0.5 - 0.2
1 habitat type available	0

Habitat types: (1) seeps/springs (2) pools (3) runs (4) riffles (5) cascades

10. LITTER/TRASH (indicator of urban/human influence)

For CSP 2006—Tier III, score must be ≥ 1.8

Condition	Score
No litter or trash is present.	2.0 - 1.8
Litter or trash is evident but not prominent.	1.0 - 0.5
Abundant trash, unsanitary wastes, eg. animal carcass or excrement, diapers, or many dead fish.	0