

REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS		Report Control Symbol (RCS): [RCS Needed]
INSTRUCTIONS: Section I to be completed by Proponent; Sections II and III to be completed by Environmental Planning Function. Continue on separate sheets as necessary. Reference appropriate item number(s).		
SECTION I - PROPONENT INFORMATION		
1. TO (Environmental Planning Function) 21 CES/CEIE	2. FROM (Proponent organization and functional address symbol) Air Force - 15 SPSS/MAF	2a. TELEPHONE NO. 808-891-7772
3. TITLE OF PROPOSED ACTION Flood control sensors		
4. PURPOSE AND NEED FOR ACTION (Identify decision to be made and need date)		
<p>1. State the purpose of this action. The purpose of this action is to monitor and prepare against flood events, erosion at Maui SFS.</p> <p>2. State the need for this action. High rainfall events on steep slopes can cause dangerous flash floods, washouts, water pollution, property damage, and loss of life and unfortunately, Maui's leeward slopes are not healthy; they are severely denuded, deer-damaged, and invaded by pyrophytic grasses. Estimates suggest that over 90% of Maui's native dry and mesic species have been lost. These major landscape changes have altered water regimes, increased erosion and soil loss, and magnified the island's vulnerability to drought, and extreme weather disasters. The result is that high rainfall events in Kula become flood events in Kihei and catastrophic mudslides due to the speed of water and large sediment loads. Downslope, the wetland systems that would normally mitigate storm flood impacts are struggling under the pressures of development, habitat fragmentation, impermeable cover, and species loss. The remaining systems are overtaxed and unable to handle flood deluge (FY24 Maui County REPI Full Proposal, pg. 2-3).</p> <p>3. What do you intend to accomplish and why is the action necessary? Install flood monitoring sensors in 3 gulches on the leeward side of Haleakala (see attached Intellisense Sites Referene Maps). These sensors installs are part of the Maui Mauka-to-Makai Stewardship REPI Project to reduce flood damage and protect the community through a flood warning/management network.</p> <p>4. Is the action identified in existing environmental management plans? If so please identify which one (e.g. INRMP, ICRMP, Wildland Fire, Other) and the status of that plan. This project is being accomplish by County of Maui with funding from OSD through the REPI program. The work is being done on county and private land.</p> <p>5. What is currently being done to meet the need? Flood sensing is not currently be done.</p> <p>6. Provide any additional details related to the Purpose and Need for Action. Need Date: 07/01/2024</p>		
5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA) (Provide sufficient details for evaluation of the total action.)		
<p>1. Describe the proposed action. Proposed action will install flood monitoring sensors in 3 gulches on the leeward side of Haleakala; Kulanihako, Waipuilani, and Waimahaihai Gulch Streams (see attached Intellisense Sites Referene Maps). Project is being done by Maui County with OSD funding through the REPI program. Install includes AWARE Flood cameras with universal pole and t-post bracket mounts, tipping bucking bird spikes, and rain gauges.</p> <p>2. Describe alternatives to the proposed action. USSF has not concidered other alternatives. Maui County may have concidered other options prior to submitting the proposal, including no action.</p> <p>3. What alternatives were eliminated from consideration and why? USSF has not concidered other alternatives. Maui County may have concidered other options prior to submitting the proposal. No action does not address the increasing flooding and safety concerns.</p>		

4. Describe what will happen if no action is taken.

The risk for flooding threatening Maui SFS would remain high, with increased potential for impacts to training, operations, and safety.

5. Please provide a description of the environmental management action and timing when it will occur.

Install 20 AWARE flood cameras and 8 high accuracy rain gauges will be installed on the 3 gulches highlighted in the attached maps.

6. Describe the project location. Attach map(s)/diagram(s) – make sure to include an overview map of where your requested project area is on the installation.

Sensors will be installed in 3 gulches on the leeward side of Haleakala east of Kihei on Maui; Kulanihakoi, Waipuilani, and Waimahaihai Gulch Streams (see attached Intellisense Sites Referene Maps).

7. What external coordination has occurred with environmental management stakeholders and what coordination remains before the action can be implemented?

None. Uaware of needed coordination.

8. Provide any additional details related to the Description of the Proposed Action and Alternatives (e.g., outline mitigation measures and other issues).

Map Attachments:

[image Intellisense Sites Terrain.pdf](#)

[image Intellisense Sites.pdf](#)

6. PROPONENT APPROVAL (Name and Grade) Eady Kevin DOD - kevin.t.eady1	6a. SIGNATURE //Eady Kevin DOD - kevin.t.eady1 i:0e.t fedvis kevin.t.eady1//	6b. DATE 04/09/2024
SECTION II - PRELIMINARY ENVIRONMENTAL SURVEY (Check appropriate box and describe potential environmental effects including cumulative effects.) (+ = positive effect; 0 = no effect; - = adverse effect; U = unknown effect)		+ 0 - U
7. AIR INSTALLATION COMPATIBLE LAND USE/ZONE USE (Noise, accident potential, encroachment, etc.)		X
8. AIR QUALITY (Emissions, Attainment status, state implementation plan, etc.)		X
9. WATER RESOURCES (Drinking water, wastewater, quality, quantity, source, water features, etc.)		X
10. SAFETY AND OCCUPATIONAL HEALTH (Asbestos/lead-based paint/radiation/chemical exposure, explosives safety quantity distance, bird/wildlife aircraft hazard, etc.)		X
11. HAZARDOUS MATERIALS/WASTE (Use/storage/generation, solid waste, toxic materials, etc.)		X
12. BIOLOGICAL RESOURCES (Wetlands/floodplains, threatened or endangered species, etc.)		X
13. CULTURAL RESOURCES (Burial sites, archaeological, historical, etc.)		X
14. GEOLOGY AND SOILS (Topography, minerals, geothermal, Installation Restoration Program, seismicity, etc.)		X
15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)		X
16. OTHER (Potential impacts not addressed above, such as Host Nation considerations/concerns for non-US locations.)		X
SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATION		
17. <input checked="" type="radio"/> PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) #DON-(f)(45) ; OR <input type="radio"/> PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.		
18. REMARKS The proposed action qualifies for applications CATEX DON-(f)(45) because it involves flood response on land zones owned by the State of Hawaii. Project is public health and safety management from yearly flash floods and authorized through the FY2024 REPI Maui Mauka-to-Makai Stewardship Project. Maui County Office of Economic Development is managing responsibility and authority over the project and install minor flood protection sensors. The proposed action does not fall within MSSC, however, it is still consistent with the INRMP established property management procedures, and the action will adhere to all state and local property management regulations. The		

DAF extraordinary circumstances pursuant to appendix B to 32 CFR part 989—Categorical Exclusions, § A2.2. Additional Analysis has been reviewed and no circumstances have arisen in A2.2.1 thru A2.2.8. CATEX DON-(f)(45) is still available and part of the owning agency's regulation and the DON extraordinary circumstances pursuant to appendix B to 32 CFR part 775.6—Planning Considerations, § (e) Categorical Exclusions has been reviewed and no circumstances have arisen in 1(i) thru 1(v)(E). Proposed action improves overall human and environment health with well established methods adhering to all applicable laws, and site visits were conducted to confirm no adverse effect on wilderness areas, endangered species, wetlands, or historical lands. Proposed action does not use uncontrolled/unpermitted hazardous substances and provides an overall positive effect on human safety, native vegetation growth, and natural disaster aversion.

The DAF is aware of the November 12, 2024 decision in *Marin Audubon Society v. Federal Aviation Administration*, No. 23-1067 (D.C. Cir. Nov. 12, 2024). To the extent that a court may conclude that the Council on Environmental Quality (CEQ) regulations implementing NEPA are not judicially enforceable or binding on this agency action, the DAF has nonetheless elected to follow those regulations at 40 C.F.R. Parts 1500– 1508, in addition to the DAF's procedures/regulations implementing NEPA at 32 CFR 989, to meet the agency's obligations under NEPA, 42 U.S.C. §§ 4321 et seq.

19. ENVIRONMENTAL PLANNING FUNCTION CERTIFICATION (<i>Name and Grade</i>) Tomlinson, Robert GS-13	19a. SIGNATURE //Tomlinson Robert DOD - robert.r.tomlinson i:0e.t fedvis robert.r.tomlinson//	19b. DATE 06/09/2025
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CONTINUATION SHEET

Review Comments:

Safety and Occupational Health (04/11/2024 - Mcdevitt Jacob DOD - jacob.m.mcdevitt)

Comply with all OSHA and consensus standards for the installation of the equipment. If required ensure dig permits are submitted.

Bioenvironmental (04/12/2024 - Puleo Michael DOD - michael.j.puleo)

Per AFI 48-154, Occupational and Environmental Health Program and AFTTP 3-2.82, Occupational and Environmental Health Site Assessment, the activities for this proposed action are categorized as/similar to/identical to current operations at this installation. No significant occupational or environmental health concerns to mission personnel are noted, and 21 CES will ensure compliance with all applicable requirements.

Water Resources (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

☐ This project is not expected to have any impact to Water Quality Resources. However, ensure during project operations that any produced waste debris/material or spills are properly contained/captured/cleaned-up to minimize runoff and reduce elicit discharges into the stormwater culverts or drain system. Contact 15 SPSS/CE for any questions/concerns regarding water resource.

Tanks (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

1. Will the Project require a new and/or replacement of a tank(s)? - No.
 2. Will the Project require the relocation of a tank(s)? - No.
- ☐ Overall, no impact to or addition of tanks for this project.

Other (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

In the event of any of the following items contact the Environmental Office at 15 SPSS/CE Office at 808-891-7711.

1. Hazardous waste, hazardous materials or oil and fuel spills? - None expected.
 2. Adding or removing tanks? - Not applicable.
 3. Bringing hazardous materials onto the installation? - None expected.
 4. Removing hazardous or toxic waste from the installation? - None expected.
 5. Adding or removing generators or real property installed engine? - Not applicable.
 6. Inadvertent discoveries of human remains or historic artifacts? - None expected.
- Overall, no impact to project area from HazMat or HazWaste is expected during installation of flood control sensors.

Hazardous Materials/Waste (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

1. Would the Project require the use of new or different hazardous or toxic substances that may come in contact with the surrounding environment? - None expected.
 2. Would mission personnel be required to use hazardous or toxic materials to implement the Project? - None expected.
 3. If renovation is to occur, has the building been surveyed for asbestos-containing material (ACM)? - Not applicable.
 4. Does the Project have the potential to generate hazardous materials and/or waste? - None expected.
 5. Would the Project require issuance of new or modified solid waste and/or hazardous waste related permit? - No.
 6. If renovation is to occur, lead base paint (LBP) may be present. Coordinate with the Toxics Program POC accordingly. - None expected.
 7. Does the Project require hazardous waste to be collected and stored on the property? - None expected.
 8. Does the Project increase potential risks for explosion, spill or the release of hazardous materials or waste? - No.
 9. Any wastes characterized as Universal (lamps, batteries, etc.) or Hazardous waste must be properly disposed of by the contractor IAW all federal & state regulations. - Follow Fed/state requirements.
- Overall, no impact from HazWaste or HazMat is expected to install flood control sensors.

Air Quality (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

1. Will the Project create criteria pollutant and/or hazardous air pollutant emissions during construction and or operations? - None expected.
 2. Will implementation of the Project require the issuance of a new or modified air permit? - No new or modified air permit is required.
 3. Has the Project been analyzed in Air Conformity Applicability Model (ACAM)? Attach the ACAM report. - Not required.
 4. Will the Project include source(s) that may be classified as a New Source or a major modification of an existing source? - No new sources.
 5. Will mitigation, emissions control devices and/or other management practices be required to minimize or eliminate effects to the region's air quality condition with regard to attainment of National Ambient Air Quality Standards (NAAQS)? - No negative effects to region's air quality.
- ☐ Overall, no impact to Air Quality is expected for installation of flood control sensors.

Cultural Resources (05/28/2024 - Wooten David DOD CIV - david.f.wooten1)

See Charlie Lawton comments regarding cultural resources.

Natural Resources (09/03/2024 - Kelley David DOD - david.j.kelley)

1. Would the Project potentially impact caves, faults, geothermal vents, mineral resources or any other geologic feature?

Based on a review of the maps and the scope of work provided. None of the above referenced geologic features listed are located within the project area. Because of this a no effect determination has been made.

Biological Resources (09/03/2024 - Kelley David DOD - david.j.kelley)

1. Would the Project impact any plants or animals that are listed or candidates for threatened, unique, rare or endangered status?

2. Will there be any impacts from the construction of the Project on any types of critical, sensitive or unique habitats to include floodplains, wetlands, vernal pools, etc.?

3. Would there be any potential impacts to Threatened or Endangered species (TES) from implementing the Project's construction, operation and/or maintenance activities?

4. Are there any surveyed federal- or state-listed TES within the Project's region of influence?

The proposed action area contains numerous species, habitats and wetlands. The specific location and activities identified in the scope of work will have no effect on the biological resource referenced above. Based on the determination of no effect, consultation with the FWS is not required. Informal consultation was performed with Fish and Wildlife Service (Ryan Pe'a), discussed the project, FWS concurred to determination of no effect.

Cultural Resources (02/20/2025 - Lawton William DOD - william.c.lawton)

Consultation with SHPO and NHOs initiated per Section 106 on 13 December 2024. 30 day response window passed with no contact from any consulting party. DAF proposed a finding of No Adverse Effect to Historic Properties. CRM recommends that CATEX applied and project proceed; in the event that consulting parties do respond at some later date, their responses will be retained for the administrative record, and as appropriate CRM may recommend changes to scope, work plan, etc.

Legal (06/06/2025 - Haynes Valerie DOD - valerie.v.haynes)

Legal review memo finding legal sufficiency for application of adopted DON CATEX (f)(45) sent to 21CES this date. VVH

Attachments:

[T-Post Installation Example-AWARE.pdf](#)

[Quote Maui AWARE Install -1 25 2024.pdf](#)

[FY24 Maui County Full Proposal.pdf](#)