STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

STREAM DIVERSION WORKS PERMIT APPLICATION

For Official Use Only:

Instructions: Please print in ink or type and send one (1) completed hardcopy and one (1) digital copy of the application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Applications must be accompanied by a non-refundable filing fee of **$25.00** payable to the Department of Land and Natural Resources. The Commission may not accept incomplete applications without the required signatures. For assistance, call the Stream Protection and Management Branch at **587-0234**. For further information and updates to this application form, visit http://dlnr.hawaii.gov/cwrm.

☐ Check here to allow Commission staff to communicate primarily via e-mail.
Legally required and other key correspondence will still be transmitted via postal mail.

PERMIT TYPE

1. Permit Status: ☒ New ☐ After-The-Fact

2. Type of Construction: ☒ Installation ☒ Modification ☐ Removal / Abandonment

APPLICANT INFORMATION

3. APPLICANT'S NAME / COMPANY	Applicant's Contact Person	Applicant's Phone
Kauai Island Utility Cooperative	David Bissell	808-246-4388
Applicant's Mailing Address 4463 Pahee Street, Suite 1 Lihue, HI 96766	Applicant's E-mail Address dbissell@kiuc.coop	

☒ **Check here if project will impact multiple landowners.** *If project impacts multiple landowners, skip* ***Item 4*** below*, then complete and attach* ***Form LND-APP*** *to identify and verify landowner's approval of proposed stream diversion work.*

4. LANDOWNER'S NAME / COMPANY	Landowner's Contact Person	Landowner's Phone
Landowner's Mailing Address	Landowner's E-mail Address	

5. CONSULTANT'S NAME / COMPANY	Consultant's Contact Person	Consultant's Phone
Joule Group	Dawn Huff	360-483-6488
Consultant's Mailing Address 5362 Kumole Street Kapaa, HI 96746	Consultant's E-mail Address dhuff@joulegroup.com	

6. CONTRACTOR'S NAME / COMPANY	Contractor's Contact Person	Contractor's Phone
To be determined.		
Contractor's Mailing Address	Contractor's E-mail Address	

STREAM INFORMATION

7. Island: *(Check only one)* ☒ Kauai ☐ Oahu ☐ Molokai ☐ Lanai ☐ Maui ☐ Hawaii

8. Tax Map Key(s) *List all affected tax map key parcels.*
(4) 1-4-001:Various

9. Stream / Gulch Name(s) *List all affected streams and/or gulches.*
Waiakoali Stream Diversion, Kawaikoi Stream Diversion, Kokee Stream Diversion

FOR OFFICIAL USE ONLY:	SWHU ID:	FILE ID:
LAT:	GWHU ID:	DOC ID:
LON:	REACH ID:	

GENERAL PROJECT INFORMATION

10. Diversion No: *(if already assigned)* **11. Diversion Name:** Waiakoali, Kawaikoi, Kokee

12. Project Site Location(s): *Provide site coordinates of downstream-most point of project in degrees, minutes, seconds (NAD83).*

Latitude: 22° 06' 54" Longitude: 159° 39' 18" Elevation: ft. above mean sea level

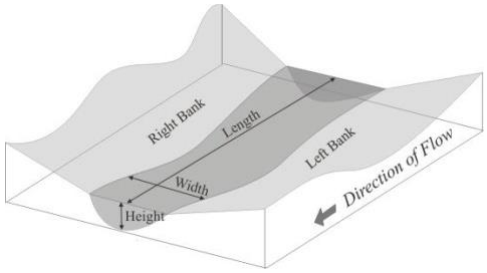
13. Diversion Structure Type: *(Check all that apply)*

☐ Unlined channel ☐ Hand-built rock ☐ Concrete masonry ☐ Dam/weir ☐ Pipe
☐ Metal ☐ Plastic ☐ Wood ☐ Pump ☐ Direct use
☐ Other - Describe:

STREAM DIVERSION WORKS SPECIFICATIONS *(For Abandonments, skip to Legal Requirements section, Item #32.)*

14. Structure Dimensions: *(feet)*
Provide generalized dimensions for the entire project / structure area. If the project includes a pipe (e.g., culvert, drain, etc.), provide the pipe diameter.

Width: See Report.
Height:
Length:
Diameter:



15. Diversion Location:
Provide the general location of the diversion intake structure in relation to the streambank.

☐ Left bank *(downstream view)*
☐ Right bank *(downstream view)*
☒ Across entire stream channel

16. Intake Dimensions: *(feet)* Width: See report. Height: Length: Diameter:

17. Average diversion amount: *(cubic feet per second)* See report.

18. Diversion is part of a system of diversions: ☒ Yes ☐ No

19. Diverted flow can be controlled: ☐ Yes ☒ No

Control Dimensions: *(feet)* Width: Height: Length: Diameter:

20. Water will be pumped from the stream: ☐ Yes ☒ No

If yes, identify pump capacity: *(gallons per minute)* **Daily average pumping time:** *(hours)*

21. Water will be impounded in the stream channel: ☒ Yes ☐ No

22. Water diversion capacity will be measured daily: ☒ Yes ☐ No

23. Water will be returned to the stream: ☒ Yes ☐ No

If yes, average amount of return flow: *(cubic feet per second)* Per IIFS, see report.

24. Water will be stored off-stream: ☒ Yes ☐ No **Storage capacity:** *(gallons)*

Describe storage facility: Kokee Ditch System has existing reservoirs that are not part of the proposed work.

25. State Land Use Classification: *(Check all that apply)* ☐ Agriculture ☒ Conservation ☐ Rural ☐ Urban

WATER USE INFORMATION

Check all water use categories below that are intended for the proposed diversion, then describe the proposed use in more detail.

☒	**26. Agriculture**	The existing diversions are being used for diversified agriculture on state lands
☒	**27. Domestic**	The existing diversions are being used to supply water for sanitary/bathroom facilities owned and operated by State Parks
☒	**28. Industrial**	The existing diversions are being used to supply water for state managed recreational fishing
☒	**29. Irrigation**	The existing diversions are being used to supply water for diversified agriculture on state lands
☐	**30. Military**	
☐	**31. Municipal**	

LEGAL REQUIREMENTS

If required, the permits or approvals below must be obtained before the Commission on Water Resource Management can legally issue a permit. Visit the Commission's Applications & Forms webpage (http://dlnr.hawaii.gov/cwrm/info/forms/) for links to agency websites/contact information.

32. Conservation District Use Permit (CDUP): *To find out if your stream diversion works is located in a Conservation District (CD), you may visit to the Land Use Commission (LUC) website at http://luc.hawaii.gov/maps to view Land Use District Boundary maps. If the stream diversion works will be located in a CD, contact the Department of Land and Natural Resources' Office of Conservation and Coastal Lands (OCCL) at (808) 587-0377 to determine is a CDUP is required.*

☒ Stream diversion works is in a Conservation District.
- ☐ Required. CDUP #: _____ Date CDUP approved: _____
- ☒ Not Required. *Attach documentation from Office of Conservation and Coastal Lands (OCCL), Department of Land and Natural Resources.*
- ☐ I have not checked with the OCCL about whether or not a CDUP is required.

☐ Stream diversion works is not in a Conservation District.

33. Special Management Area Permit (SMAP): *To determine if an SMAP is necessary, contact your County Planning Department.*

☐ Required. SMAP #: _____ Date SMAP approved: _____

☒ Not Required. *Attach documentation from applicable County agency.*

☐ I have not checked with the County about whether or not an SMA Permit is required.

34. State Historic Preservation Division (SHPD), Department of Land and Natural Resources: *If the parcel(s) affected by the stream alteration has been reviewed by the State Department of Land and Natural Resources Historic Preservation Division (SHPD or through an OEQC Environmental Review, Special Management Area Permit, etc.), check "yes" and attach any relevant documentation from SHDP. If the affected parcel(s) has not undergone SHDP review, attach a photograph of the affected area, a schematic diagram (showing the location, access road and infrastructure for the alteration), and a short description of the prior use(s) of the land on which the alteration resides.*

Please note: You are **strongly advised to contact the SHPD to obtain a pre-review of your project. In the event that you do not get an HP pre-review and if during the course of either review or the permit itself it is determined that you need SHPD's concurrence, your application or permit may be held in abeyance or denied until issues with HP are resolved. To contact SHPD, please call (808) 692-8015.*

☒ I have consulted the SHPD regarding potential impacts of stream channel alteration activities on historic sites. I have attached applicable documentation from the SHPD.

☐ I have not consulted with the SHPD regarding potential impacts of stream channel alteration activities on historic sites.

35. Chapter 343, Hawaii Revised Statutes, Hawaii Environmental Policy Act:

☐ An Environmental Assessment was completed, and

☐ An Environmental Impact Statement was required and has been accepted (attach letter of acceptance).

Publication date in The Environmental Notice: Exempt

☐ A Finding of No Significant Impact has been determined (attach letter).

Publication date in The Environmental Notice: _____

This project proposes:

☒ Use of state or county lands, or use of state or county funds
☒ Use within a state conservation district
☐ Use within a shoreline setback area
☐ Use within a national or Hawaii registered historic site
☐ Use within the Waikiki Special District
☐ The construction, expansion or modification of helicopter facility
☐ A wastewater treatment unit
☐ Waste-to-energy facility
☐ Landfill
☐ Oil refinery
☐ Power-generating facility
☐ None of the above 11 items

OTHER REGULATORY REQUIREMENTS

If the proposed stream channel alteration is subject to the following permits or approvals, indicate by checking the appropriate box below and submit either the approval letter from the appropriate agency or attach a copy of the application form. If the proposed stream channel alteration is not subject to the following permits or approvals, indicate by checking the "N/A" (Not Applicable) field.

	Attached	N/A
36. U.S. Army Corps of Engineers (Harbors and Rivers Act, Section 404, Clean Water Act)	☒	☐
37. State Department of Health, Clean Water Branch (Section 401, Clean Water Act, Water Quality Certification, Best Management Practices Plan)	☒	☐
38. Right-of-Entry or Right-of-Way Permit if the proposed stream channel alteration includes State lands. (Chapter 171, Hawaii Revised Statutes)	☒	☐
39. Hawaii Environmental Policy Act (Chapter 343, Hawaii Revised Statutes; Title 11, Chapter 200, Hawaii Administrative Rules)	☐	☒
40. Soil and Water Conservation District	☐	☒
41. County Certification of "No-Rise"	☐	☒
42. County Grading Permit	☐	☒
43. County Discretionary Permit(s)	☐	☒

CULTURAL IMPACTS

Articles IX and XII of the State Constitution, other state laws, and the courts of the State, require government agencies to promote and preserve cultural beliefs, practices, and resources of Native Hawaiians and other ethnic groups. If there is not enough space available, please make a note in the field (e.g., "See attached") and attach all information with this application as requested.

44. Please provide the identity and scope of cultural, historical, and natural resources in which traditional and customary native Hawaiian rights are exercised in the area.

The proposed work is on the existing Kokee Ditch system, which is actively diverting water for irrigation, recreational fishing and other state facility uses. The proposed work is for the purpose of stream restoration consistent with the IIFS for each stream. During our community and stakeholder outreach for the proposed work, we did not identify any native Hawaiians who access this area for traditional and customary practices. Several people mentioned that due to difficulty of accessing the area, it isn't an ideal location for their purposes. Access is by a rough road, accessible by four wheel drive vehicles only, that terminates in a foot path. The footpath is approximately 1/4 mile in distance, steep and lightly maintained. However, it is possible there are native Hawaiians who do access the area for traditional plant gathering, fishing and ceremonial practices. Based on stream surveys conducted in 2018, no native aquatic species were found in Waiakoali, Kawaikoi and Kokee Streams downstream of each diversion. Flora and fauna surveys in the area indicated the predominant vegetation coverage is alien forest with some scattered remnant native koa and ohia.

45. Identify the extent to which those resources, including traditional and customary Native Hawaiian rights, will be affected or impaired by the proposed action.

The sole purpose of the proposed work will result in stream restoration per the IIFS adopted by CWRM as part of the Mediation Agreement for the Waimea Watershed, which was approved by CWRM in April 2017. If any traditional and customary native Hawaiian practices occur in the area, the stream restoration will likely provide for improved aquatic and riparian habitats. Because all modifications/installations will be within the footprint of the existing ditch system, this proposed work is not expected to negatively impact any traditional and customary Native Hawaiian rights on land around the ditch system or in the streams.

46. What feasible action, if any, could be taken by the Commission on Water Resource Management in regards to your application to reasonably protect Native Hawaiian rights?

As previously mentioned, the purpose of the proposed work is restoring stream flows consistent with the IIFS adopted by CWRM as part of the Mediation Agreement for the Waimea Watershed, which was approved by CWRM in April 2017. DHHL was a party to the mediation and has approved the proposed work.

PROJECT DESCRIPTION

Please complete the following sections by providing detailed information on the project components identified below. If there is not enough space available, please make a note in the field (e.g., "See attached") and attach all information with this application as requested.

47. Describe the overall project scope and objectives.

The sole purpose of the proposed work is streamflow restoration consistent with the IIFS as adopted by CWRM as part of the Mediation Agreement for the Waimea Watershed, which was approved by CWRM in April 2017. The Kokee Ditch is a currently operating ditch system with active diversions that provides water for irrigation use, recreational fishing and other state owned facilities. The proposed work involves making changes to the diversions to provide for the IIFS and mauka to makai streamflow while also allowing the current uses to continue.

The existing diversions and ditch system was constructed in a way that diverts all or most stream flow during low to moderate flow conditions. Only high stream flows are sufficient to increase the impoundment level enough to result in discharge over the spillway therefore maintaining streamflow continuity. The primary challenge is the lack of any water control gates that can be modified to facilitate water release and to control of diversion volumes.

At Waiakoali, streamflow restoration will be addressed as follows: The headwall modification will serve to control ditch flow and impoundment level. The new headwall will be keyed into the ditch walls and have a height of at least 18" above the diversion crest. The center of the headwall bulkhead will contain a 36" wide stoplog bay that will have boards set in place to provide a fixed opening. A new release point will be cut into the concrete crest wall of the existing spillway and will be located at the west end of the spillway crest and measure 18" wide and 12" deep.

At Kawaikoi, streamflow restoration will be addressed by installing an earthen coffer dam in the ditch immediately below the diversion, among other modifications as described in the attached report. The cofferdam will contain a gated culvert to allow ditch flows to be regulated and thereby keep water in the stream during periods of natural low flows.

The goal of the modifications at Kokee Stream is to retain all natural flows in the stream, which requires the ditch flows to pass across the stream without comingling. The ditch flow will be conveyed in a 24" HPDE flume pipe from the end of the ditch across the stream and into the downstream ditch tunnel. The pipe will be partially submerged during all flow conditions and will have supports every 10 feet. A new 36" tall bulkhead will be installed at the end of the concrete ditch section. The existing ditch gate, gate frame, hoist and operator's platform will be repaired and modified to accept the new flume pipe.

48. Describe existing stream channel dimensions and median streamflow conditions at the site of the proposed stream diversion works.

WAIAKOALI STREAM

The proposed work will take place primarily in the ditch, not in the stream channel. The Waiakoali stream channel at the point of diversion is approximately 35 feet in width above the existing diversion structure and 15 feet in width below the diversion. Median streamflow values will vary depending on the methodology. Based on USGS records from 1905 to 1925 with data gaps, the Q50 is 3.1 cfs.

KAWAIKOI STREAM

The proposed work will take place primarily in the ditch and not in the stream channel. The Kawaiakoi stream channel at the point of diversion is approximately 80 feet in width above the existing diversion structure and 30 feet in width below the diversion. Median streamflow values vary depending on the methodology. Based on USGS records from 1909 to 2015 the Q50 is 12 cfs.

KOKEE STREAM

The proposed work will take place in both the ditch and the impounded stream channel behind the existing diversion structure. The Kokee stream channel upstream of the diversion is comprised of small braided channels two to six feet in width with a total width of 10 to 15 feet. The stream channel below the diversion varies from 4 to 12 feet in width. Median streamflow values will vary depending on the methodology. There is no gauged flow data available for Kokee Stream. Based on Kawaikoi Stream USGS data and rainfall records, a synthetically derived estimated Q50 is 2.3 cfs.

49. Identify and describe the project components outlined below

A. Materials

Waiakoali: (1) concrete headwall with control gate
Kawaikoi: (1)gravel cofferdam with gated pipe and trashrack
Kokee: (1) 36" bulkhead with gate, (1) 85 foot long 24" HPDE pipe flume;

B. Quantities

See included description of proposed work for additional dimensional and quantity information

C. Excavation

Waiakoali: no excavation is required
Kawaikoi:Minor excavation is required to prepare an access path from the exisitng road to the new cofferdam location.
Kokee: no excavation is required.

D. Fill

Waiakoali: no fill is required
Kawaikoi: 40 cubic yards +/- of clean compacted fill and rock for the cofferdam
Kokee: no fill is required

E. Disposal

Any materials that require disposal will be taken off site and disposed of in the proper manner in keeping with county and state guidelines.

F. Construction methods

The construction is limited in nature and involves small footprints. The work will be performed primarily by hand with portable tools. The placement of Kawaikoi cofferdam and Kokee flume will be performed with a combination of a small excavator and hand labor. Existing roads and footpaths will be used for site acess and material delivery with the exception of the Kokee flume materials which will be delivered by helicopter.

G. Temporary facilities

No temporary facilities are required for the project.

H. Expected period of time required for construction

90 days

I. Liability during construction

Liability for this project is minimal. KIUC and KIUC's contractors will all carry the appropriate liablity insurance to cover any potential accidents that may occur.

50. Describe the project's consistency with county zoning and development plans.

The project is located within the Conservation District. According to the Kauai General Plan, the "Open" designation encompasses lands within the State Conservation District, over which the State Board of Land and Natural Resources has jurisdiction. The project is consistent with the land uses in the Conservation District, including P-I Data Collection (B-I), P-8 Structures and Land Uses, Existing (B-1), and P-9 Structures, Accessory (B-1), as noted by the OCCL in its February 12, 2019 letter.

The proposed work will result in restored stream flows at the Kokee Diversion, which is consistent with the Kauai General Plan's Vision for Kauai 2020.

Specifically, the plan envisions that "Kaua'i's groundwaters, rivers and streams are managed to supply water for human consumption and agricultural irrigation, while maintaining surface flows needed to support native aquatic life, taro cultivation and other riparian uses, and recreation." The stream restoration will likely provide for improved aquatic and riparian habitats.

51. Identify potential alternatives (sources of water) to the project and describe the relative costs and benefits of each alternative.

The proposed work is for the sole purpose of streamflow restoration and reduces the amount of water being currently diverted into the existing Kokee Ditch System. Therefore there is no water alotment needed for the project and there are no alternative sources of water. More specifically, the purpose of project is to decrease the quantities of water diverted from the subject streams in response to and for compliance with the Interim Instream Flow requirements and the Mediation Agreement for the Waimea Watershed.

SUBMITTALS

Please submit the following plans, maps, or drawings in legible form, preferably on 8.5" by 11" sheets.

52. Location Map: Provide a location map of the proposed project relative to major roadways.

53. Plans / Elevations / Sections: Provide a plan view of the proposed stream diversion works structure in relation to the stream channel and property boundaries. Elevation and section views of the diversion structure in relation to the stream channel should also be provided if available.

SIGNATURES

Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that if the permit requested is granted by the Commission on Water Resource Management (Commission), the permit shall be subject to the following conditions:

1) The proposed work is to be completed within two (2) years from the date of permit approval.
2) The permittee shall notify the Commission, by letter, of the actual dates of project initiation and completion.
3) The permittee shall submit a set of as-built plans and photographs to the Commission upon completion of the project.
4) The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months.
5) If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

54. APPLICANT

Print Name:	Signature:	Date:
David Bissell, President and CEO KIUC	David J Bissell	01/27/23

55. CONSULTANT

Print Name:	Signature:	Date:
Dawn Huff, Joule Group	Dawn L Huff	02/01/23

56. CONTRACTOR

Print Name:	Signature:	Date:

57. LANDOWNER *(If multiple landowners, skip **Section 53**, then complete and attach **Form SCAP-LND** with appropriate landowner signatures.)*

Print Name:	Signature:	Date:

CHECKLIST FOR A COMPLETE APPLICATION and ITEM DESCRIPTIONS (ITEMS 1 - 31)

- □ Fill in the most recent application form (check **http://dlnr.hawaii.gov/cwrm** or call 587-0234 for updates).
- □ Fill in every line which includes Items 1-57, as indicated (total 7 pages).
- □ Enclose a check for $25 payable to the Department of Land and Natural Resources.
- □ Mark the proposed diversion location on: the appropriate USGS quad map, TMK map, photo and schematic, and attach to the application.
- □ Attach Form LND-APP to identify and obtain authorizations for the project if multiple landowners will be impacted.
- □ Attach a grading plan and cross section profiles showing existing and finish grades, if available.
- □ Attach documentation from CDUP, SMAP, SHPD when applicable regarding Items 32-34.
- □ Attach letters from U.S. Army Corps of Engineers, Hawaii Department of Health, Office of Conservation and Coastal Lands, and appropriate county agencies regarding Items 35-43.
- □ Provide digital copies on CD-ROM or via e-mail, if available.
- □ Obtain the necessary signatures for the application form.

Send the application and maps, copies, and the filing fee to:
Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

PERMIT TYPE

1. **Permit Status:** Indicate whether this application is for a new stream diversion works project (including medication or abandonment) or if the project has already been completed and an after-the-fact permit is being applied for.
2. **Type of Construction:** Is the permit application for the installation of a new diversion works or modification / abandonment of an existing diversion works.

APPLICANT INFORMATION

3. **Applicant's Information:** Fill in the information for the applicant. This should be the entity that will be responsible for operation and maintenance of the stream diversion works and for reporting water use when the project is completed.
4. **Landowner's Information:** Fill in the information for the landowner of the property where the diversion intake will be located.
5. **Consultant's Information:** Fill in the information for the consultant who will assist with plan and design preparation for the subject project.
6. **Contractor's Information:** Fill in the information for the contractor who will perform the work on the subject stream diversion works.

STREAM INFORMATION

7. **Island:** The island name where the stream diversion will be located.
8. **TMK:** Tax Map Key number (generally there is no lot number, but where a parcel is divided into two lots, fill in the lot number)
9. **Stream / Gulch Name:** Name of the stream or gulch where the stream diversion will be located.

GENERAL PROJECT INFORMATION

10. **Diversion Number:** If you already have a state diversion number assigned, please fill it out here. Otherwise, leave it blank and a diversion number will be assigned by CWRM.
11. **Diversion Name:** Give the diversion a short concise name that will differentiate it from other diversions.
12. **Project Site Location(s):** Fill in diversion location coordinates taken from a GPS unit at the project site. Units are Degrees, Minutes and Seconds (seconds should be filled out to at least one decimal place; e.g. 19°59'32.8"N, 155°14'51.5"W). If more than one site, attach separate sheet. Elevations should be provided in feet above mean sea level.
13. **Diversion Structure Type:** What materials will the diversion works structure consist of and how will it divert water from the stream.

DIVERSION SPECIFICATIONS *(For Abandonment applications, skip this section and proceed to the Legal Requirements section, Item #32.)*

14. **Structure Dimensions:** What are the physical dimensions of the stream diversion works structure that will be located in the stream channel?
15. **Diversion Location:** Will the diversion intake be located on the right or left bank (facing downstream) or across the entire stream channel?
16. **Intake Dimensions:** What are the physical dimensions for the stream diversion intake (gate, pipe, etc.)?
17. **Average Diversion Amount:** The average amount of water that the diversion is calculated / estimated to divert from the stream.
18. **Diversion is part of a system of diversions:** Is the diversion part of a larger system including multiple stream diversions?
19. **Diverted flow can be controlled:** Will a control structure be located on the intake that can be used to regulate the diversion (gate, valve, etc.)?
20. **Water will be pumped from the stream:** Will a pump be used to remove water from the stream, and if so, what is the pumpage rate?
21. **Water diversion will be impounded in the stream channel:** Will the diversion structure on the stream channel require impoundment?
22. **Water diversion capacity will be measured daily:** Will a meter or other measurement device be installed and recorded on a daily basis?
23. **Water will be returned to the stream:** Will a portion of the diverted water be returned to the stream, and if so, how much?
24. **Water will be stored off-stream:** Will the diverted water be stored in an off-stream facility (reservoir, basin, tank, etc.)? Describe.
25. **State Land Use Classification:** Identify the current State Land Use Classification.

WATER USE INFORMATION

26. **Agriculture:** Water used for aquaculture, crop irrigation and processing, livestock, ornamental and nursery plants, and taro.
27. **Domestic:** Water used for single- and multi-family households, non-municipal commercial businesses, hospitals, churches, hotels, and schools.
28. **Industrial:** Water used for fire protection, mining, dust control, geothermal, power development, and hydroelectric power.
29. **Irrigation:** Water used for golf courses, hotels, landscape and water features, parks, schools, and habitat maintenance.
30. **Military:** Water is used by the military for military-operated water supply systems.
31. **Municipal:** Water is State, county, or private agency-operated to service multiple uses.

Please see header descriptions for remaining Sections in completing Items 32 to 57.

NOTE: Please be aware that some information on this form asks for information in cubic feet per second (CFS). Conversion factors for other commonly used water flow rates are as follows:
1.0 million gallons per day (MGD) equals 1.547 cubic feet per second (CFS)
1.0 gallon per minute (GPM) equals 0.002228 cubic feet per second (CFS)

FormSCAP-APP Kokee 01 17 2023

Final Audit Report 2023-02-01

Created:	2023-01-18
By:	Chris Yuh (cyuh@kiuc.coop)
Status:	Signed
Transaction ID:	CBJCHBCAABAARoJHbps0oFTI_quxPhNPxGWAogZ391HR

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