

**HOLLIE HALL, PHD**  
**FOUNDING BOARD MEMBER**  
**INTERNATIONAL CANNABIS FARMERS ASSOCIATION**

P.O. Box 5306, Arcata CA, 95518 | 707-502-4870 | Hollie@icfa.farm



Kenny Spain  
Executive Director, Headwaters Fund  
520 E Street, Eureka, CA 95501

**Dear Mr. Spain:**

I have prepared and am submitting the enclosed grant application requesting funds to support the Humboldt County Cannabis Appellations of Origin Baseline Study on behalf of the Traditional Farmers Foundation DBA International Cannabis Farmers Association (ICFA). The ICFA is a group of cannabis farmers, scientists, and stakeholders working together to promote the unique quality and ecological benefits of sun grown *Cannabis* products while preserving the heritage of traditional farming communities. We established in 2017 and are a Domestic Nonprofit registered with the Secretary of State in California.

At this time, we seek grant funding for the implementation of a Humboldt County Cannabis Appellations of Origin Baseline Study. The European model of appellations of origin for agricultural products protect intellectual property such as traditional farming practices while promoting environmentally ethical farming standards. Additionally, established appellations of origin stimulate tourism economies. Collectively, we feel that a well-founded cannabis appellations of origin program in Humboldt County will support improved sustainability through job provisioning, environmental stewardship and economic stability. The California Department of Food and Agriculture (CDFA) is required to open a process for cannabis appellations of origin by mid-2021. It is our intention to create a framework informed by science and community perspective to prepare Humboldt County for taking full advantage of the CDFA program. The enclosed application includes a request for funds in the amount of \$27,250.00. The request is accompanied by committed matching funds of approximately \$37,390.00. It is our sincere hope that you will consider supporting our research and education efforts to strengthen Humboldt County's economy and community by providing the Humboldt County Board of Supervisors with a recommendation to fund the proposed project. Please do not hesitate to contact me with questions or additional information needs.

Sincerely,

**Hollie Hall, PhD**  
**Founding Board Member**  
**International Cannabis Farmers Association**

Attachments:

1. Coversheet.
2. Explanation of narrative questions.
3. Project budget.
4. Governance.
5. Support letters.
6. Secretary of State and IRS documentation.
7. Project timeline.
8. Resume for Hollie Hall.
9. Headwaters Fund initial award letter
10. Supporting research.
11. Insurance documentation.
12. Organization annual operating budget.



HUMBOLDT COUNTY

## Headwaters Fund

# Grant Application

**Applicants are strongly encouraged to submit a letter of interest prior to submitting a full application. Please refer to the letter of interest guidelines for information.**

Thank you for your interest in the Headwaters Grant Fund. As specified in our Charter, our purpose is to:

- a) Support the growth of industry clusters and increase the number of sustainable jobs that pay near or above the median income;
- b) Enhance the quality of life through social and environmental projects that promote healthy communities and protect and enhance the natural environment.

Please contact Kenny Spain, Executive Director, to discuss any questions about your application. Applications must be submitted electronically to [headwaters@co.humboldt.ca.us](mailto:headwaters@co.humboldt.ca.us). If some attachments are easier to submit as a paper version, you may bring or send those to our office at 520 E Street, Eureka, CA 95501.

Applications are due January 15<sup>th</sup>, 2020. Given the fund's current commitments, the annual allocation this year will be \$130,000. Applicants may apply for up to \$65,000. The application form, instructions, and information on the Grant Fund may be found on our website at [www.humboldt.gov/headwaters](http://www.humboldt.gov/headwaters).

### APPLICATION PACKET CHECKLIST

Please email the following documents to [headwaters@co.humboldt.ca.us](mailto:headwaters@co.humboldt.ca.us) :

- Coversheet (Page 1-2 of the Application, attached)
- Narrative (maximum of 5 pages, 12 point font, 1" margins)
- Project Budget with description of matching funds
- List of members of the Board of Directors
- Up to five letters of support
- Most recent IRS tax status certification (for non-profits only)
- Organization's current annual operating budget
- Project Timeline with milestones and expected completion dates

## The Headwaters Fund Grant Fund Application Coversheet

Date of application: 12/02/19

Organization Name: Traditional Farmers Foundation dba International Cannabis Farmer's Association

Director/CEO: Kristin Nevedal

Contact Person Name and Title: Dr. Hollie Hall

Contact Phone: 707-502-4870 Contact Email: Hollie@compliantfarms.com

Contact Address: PO Box 5306, Arcata CA 95518

Total current year organizational budget: \$95,348.53 # of FTE employees: 0

Summarize the organization's mission (in the space provided):

The International Cannabis Association's (ICFA) mission is to empower traditional farmers through research, education, and advocacy.

Amidst the backdrop of recent significant legal, regulatory and political changes in the Cannabis landscape, the ICFA was formed by farmers, scientists, stakeholders and other thoughtful stakeholders to establish the science, data and consumer education necessary to break down barriers around sun grown Cannabis and to promote the quality and ecological superiority of traditionally farmed Cannabis and Cannabis-derived products.

Despite the ecological superiority of sun grown Cannabis, current regulations often favor or outright require indoor grown Cannabis. Traditional sun grown Cannabis farmers and thoughtful stakeholders must re-frame current conceptions about sun grown Cannabis to ensure its longevity within the rapidly changing political landscape.

Project title: Humboldt County Appellations of Origin Baseline Study

Please provide a less than 250 word summary of your project which answers the following questions: How will your project lead to improving the local economy and increasing the quality of life for local residents? What exactly are you going to do and for whom? Why is it necessary? What will be accomplished? How will you accomplish this?

By providing a scientifically-derived environmental, geographic, and cultural baseline for the delineation of Humboldt's Cannabis Appellations, this project will support local economy stimulation through the increased value of locally produced cannabis, growth of commercial cannabis-related businesses, and countywide tourism activities. The proposed education and research effort will provide a competitive advantage for the sun-grown cannabis producers of Humboldt within the regulatory frameworks supporting them. Partnerships between eight Humboldt County permitted cannabis farms, Compliant Farms Certified (CFC), and Traditional Farmers Foundation DBA International Cannabis Farmers Association (ICFA) will implement the project. CFC will conduct the environmental research components of the project including a countywide analysis of unique growing regions based on geographic factors, experimental

design, and implementation of on-farm soil, water, and climate data collection, and analysis, plus compilation and dissemination of resulting data. ICFA will develop Cannabis Appellation Fact Sheets, host educational and engagement forums, organize and share related information, and steward the continued collection of climate data past the 1-year duration of this project. Both organizations will work together to identify eight appropriate research farms that represent potentially unique cannabis appellations and have a farm partner that is committed to participating in the research program and maintaining weather stations function and data sharing. The gathered data will be curated to produce useful information for developing petitions for Cannabis Appellation recognition by the State of California's CalCannabis Appellations of Origin Program. This work will fill the existing data gap underlying the development of Cannabis Appellations in Humboldt County.

Amount requested: 27,250.00 Total project cost: 64,640.00

Grant timeline: Period covered: 02/01/20 to 02/01/21

Total match amount: 37,390 Match amount as % of project budget 58%  
(Required 50% match for implementation, 25% for planning or technical assistance)

Cash match: 37,390 In-kind match: 0 Cash match as % of budget 58%  
(Required: 25% for implementation, 12% for planning or technical assistance)

Number of new FTE jobs created, if funded: Unknown

Number of FTE jobs retained, if funded (jobs that would otherwise be eliminated): Unknown

Type of project:  Planning  Implementation

Geographic focus of project: Humboldt County

Number of permanent, long term, private sector jobs to be created: Unknown

**Which Industry is your project working with (check off all that apply):**

- Diversified Health Care
- Specialty Food, Flowers and Beverages
- Building and Systems Construction
- Investment Support Services
- Management and Innovation Services
- Niche Manufacturing
- Tourism
- Forest Products
- Arts and Culture
- Alternative Agriculture

**Strategy being employed to promote economic development (check off all that apply):**

- Supporting development of pre-permitted commercial space
- Reducing regulatory bottlenecks for business retention or creation

- Supporting economic development infrastructure
- Developing new strategies for economic development
- Providing access to external markets or plugs the economic leaks
- Retaining and growing existing businesses
- Providing workforce training
- Increasing the number of new businesses
- Leveraging future funding or projects
- Reducing poverty by helping people to develop business skills
- Other (describe):

Are any of the following components required, and if so are they in place already? (check off in left column if required, then check of "yes" or "no" for if they are in place already)

- |   |   |                             |
|---|---|-----------------------------|
| <input type="checkbox"/> Building permits             | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| <input type="checkbox"/> Market research              | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| <input type="checkbox"/> Legal review                 | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| <input type="checkbox"/> Regulatory approval          | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Consultants hired | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Staff hired       | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

## EXPLANATION OF NARRATIVE QUESTIONS

Please answer the questions below. The entire narrative is limited to 5 pages. Answers should be written in 12 point font with 1" margins. For further explanation of the questions, please see the Grant Application Instructions.

- 1) Describe the need for your project and how it will improve the economy. What is the problem you are solving? What is the current situation, and future vision? Which businesses are you working with that have helped you identify the need? What are the risks and challenges for project success and how will you mitigate those?
- 2) What are the measurable objectives of your project? Quantify the expected outcomes.
  - **Improves Market Competitiveness:** Examples include: return on investment, increase in number of clients served, units sold.
  - **Benefits Clusters/major Industries as Identified in CEDS:** How many industries will receive benefits and what will those individual industry benefits be?
  - **Job Creation/Retention:** Number of FTEs created or retained by the project. Please separate direct employment and ancillary employment. Please provide multiplier is used for ancillary positions.
  - **Drives Capital Investment:** Anticipated levels of Capital Investment? (Purchase of property, plant, and equipment? Property investment? etc.)
  - **Business Creation/Growth/Retention:** Number of businesses started? Number of businesses retained that would have otherwise shuttered? Percent change in size of businesses? (Sales Revenue, Net Profit Margin, Gross Margin, Lead to Client Conversion Rate, Customer Acquisition Cost, Property/Sales Tax Paid, etc.)

For other strategies you plan to use, quantify measureable outcomes in terms of numbers of businesses supported and additional dollars coming into the local economy.
- 3) Describe what you will do to achieve your objectives. Describe how you will measure progress towards your objectives.
- 4) Describe the work which has already been done to ensure that this project will be a success (i.e. prior research, planning or permitting). You may attach backup documentation.
- 5) List the jobs directly created as an outcome of the successful implementation of this project, titles, roles/general responsibilities, expected employers and expected wages. (Note: Please do not include jobs which will be actually paid for by grant funding or are short-term, temporary project related jobs.) If the project is expected to create indirect jobs in the long term please quantify those as well.
  - 6) If appropriate, explain how the project will protect and or improve the natural environment in one or more of the categories listed below.
    - Supports the sustainable use of environmental resources
    - Preserves open spaces and working landscapes
    - Utilizes environmental knowledge in the creation of jobs
- 7) Explain how the project contributes to the quality of life for Humboldt County residents in any of the categories listed below.
  - Benefits Underserved Population
  - Preserves Cultural Heritage and Strengthens Community Identity
  - Improves Existing Infrastructure

- Strengthens Community Leadership and Civic Participation

8) Explain the capacity of your organization, staff and project partners to implement this project.

9) If you will be using grant funds to hire expertise please list the consultants or firms you are considering. If you are not considering using a local business please explain why.

10) Describe how you will acknowledge the Headwaters Fund in your work.

**REQUIRED ATTACHMENTS**

Please attach the following after the project narrative:

- **Project budget** – use the budget format outlined below and include a description of match sources.
- **Governance** - List of your board of directors or council members.
- **Support Letters** – attach documentation of collaboration and/or project need in the form of up to 5 Letters of Support, Letters of Partner Commitment, and/or Memoranda of Understanding.
- **IRS tax status certification** – most recent (for non-profits only)
- **Annual operating budget**
- **Timeline with expected project milestones and completion dates (sample below)**

Date	Milestone

**OPTIONAL ATTACHMENTS**

- **Resumes** – brief resumes of key personnel
- **Market Analysis**
- **Business Plan**
- **Associated Research**

### SAMPLE PROJECT BUDGET FORMAT

Use the following format for your project budget submittal. For major expenses, please be specific.

Project Expense Item	Total Cost (\$)	Requested Amount from Headwaters Grant Fund	Amount from Matching Funds	Source of Matching Funds
<i>Example: Travel</i>	<i>5,000</i>	<i>2,000</i>	<i>3,000</i>	<i>United Way grant</i>
Direct Salaries & Wages (breakdown by individual position & indicate full or part-time; list indirect staff costs in "Overhead- staff related" section below)				
Staff 1:				
Staff 2:... etc.				
Sub-total: all Direct Salaries & Wages				
Benefits & Payroll Taxes				
Consultant & professional fees (specify)				
Travel (describe)				
Equipment (specify)				
Overhead- non-staff related				
Overhead- staff related (breakdown by individual position; include payroll taxes and fringe benefits)				
All Overhead Costs as % of Total Project Cost				
Total Project Cost				

Note 1: "Overhead- non-staff related" includes office supplies, printing, telephone/fax, postage, rent, and utilities.

Note 2: "Overhead- staff related" is comprised of indirect staff costs (e.g. bookkeeper).

Match Sources - list all other funding sources for this project. For each source, list whether the amount is received, committed, application pending, or not yet solicited.



## Explanation of Narrative Questions

1. The emergent regulated cannabis industry of Humboldt County is currently at a competitive disadvantage due to remote location, high cost of farm compliance, and lack of distinction in the marketplace. Humboldt County cannabis needs marketplace differentiation to become the conversational topic of connoisseur consumers who are willing to pay premium prices, who want to know their farmer, who wants to experience the region where their cannabis is grown. Market place differentiation of Humboldt County cannabis will secure jobs related to cannabis farming, processing, manufacturing, distribution, and tourism. The result will be the revitalization of abandoned building infrastructure and new construction of infrastructure to support related activities, enhancement of income to existing service-related businesses, and increased revenue generation via taxes. This perception is drawn from engagement with the cannabis farming community, California's cannabis regulatory agencies, scientists engaged in the assessment of cannabis farming impacts on the environment, international cannabis farming communities, Humboldt County based commerce and tourism organizations, and examination of appellation of origin impacts on non-cannabis products and communities. The California Department of Food and Agriculture is required by the Business and Professions Code to implement a process for cannabis appellations of origin establishment no later than January 1, 2021. At this time, no baseline data exists to support the establishment of cannabis appellations of origin within Humboldt County. The data collected by this project will fill that gap and poise us to be early participants in the state appellations program. The risks and challenges surrounding the proposed project relate primarily to gaining community consensus regarding the geographic location and scale of Humboldt County's cannabis appellations of origin. This challenge will be met by first identifying unique geographic regions of Humboldt County as defined by elevation, soil type, water chemistry, temperature fluctuations, and precipitation rates, and then surveying cannabis farmers to narrow research locations to cannabis-producing locations.
2. The measurable objectives of the project are geographic delineations of potentially unique appellations across Humboldt County based on climate, elevation, temperature, soil fertility, and water chemistry. Overlaid upon these mapped biophysical features will be the locations of cultural significant cannabis cultivation areas. The primary expected the quantifiable outcome of the project is an increased aptitude and preparedness for Humboldt County's cannabis cultivators to compile and file successful petitions to the CDFA's Cannabis Appellations Program for legal recognition. Due to the absence of existing cannabis appellations anywhere in the world, it is difficult to quantify the magnitude of expected outcomes related to a successful Alternative Agriculture (Cannabis) sector in Humboldt; however, the following are estimates based on existing research documents included within this application.
  - 2.1. Improved Market Competitiveness: the notoriety stemming from the establishment of Cannabis Appellations can bring some of the billions of dollars generated by the California Travel Industry which is in its eighth consecutive year of growth in related spending, employment, tax revenue, domestic flights, lodging rooms sold, and secondary jobs (Dean Runyan Associates, 2019).

- 2.2. The Humboldt County base industry clusters that may benefit from this project include:
  - 2.2.1. Diversified Health Care through continued availability of quality cannabis medicine derived from the existing 233 licensed cultivators of medicinal cannabis.
  - 2.2.2. Increased sales of Specialty Food, Flowers & Beverages along with job creation and Tourism related spending.
  - 2.2.3. Increased Building and Systems Construction alongside increased cannabis business viability.
  - 2.2.4. Increased profits and tax revenue through the success and development of Niche Manufacturing of cannabis products. Currently, there are 58 licensed cannabis manufacturers in Humboldt County.
  - 2.2.5. Job Creation/Retention: The attached 2019 California Travel Impacts report by Dean Runyan Associates, Inc. points to tourism-related spending as a valuable economic driver for all of California. With travel generated employment accounting for 8% of Humboldt's total employment in 2017, the support and stimulation of Cannabis Appellations related tourism have a likelihood of contributing significantly to tourism-related spending, employment, tax revenues, flights, lodging, etc.
  - 2.2.6. As of December 02, 2019, in Humboldt County, there are 1,324 active commercial cannabis licenses for cultivation, distribution, transport, event organization, manufacturing, microbusiness, nursery, processing, and retail business activities. Collectively, the establishment of cannabis appellations of origin in Humboldt County has the potential to have a significant impact on the success and expansion of these 1,324 businesses.
3. Describe what you will do to achieve your objectives. Describe how you will measure progress toward your objectives.
  - 3.1. The project will develop an organized dataset defining the potentially unique geographic locations where cannabis is cultivated within Humboldt County. Collected data will be curated for dissemination to Humboldt County cultivators, regulators, the general public, and other interested parties. All of the existing and future license holders will benefit from this effort. As previously discussed, cannabis appellations of origin have a vast potential to stimulate tourism in Humboldt County, which can provide an economic boom to the area. For example, Napa County estimates that, in general, one-third of their economy is attributed to wine production while the remaining two-thirds comes from wine tourism. Humboldt-Eureka Visitors Bureau applies a seven times multiplier to dollars spent on tours. Appellations of Origin will allow visitors to have authentic, exclusive experiences. Cannabis Appellations of Origin are vital to growing Humboldt's nascent cannabis tourism industry.
4. Thus far the work which has already been done to ensure that this project will be a success includes, but is not limited to: outreach and education with Humboldt County cannabis industry participants, participation in the development of CDFA's Cannabis Appellations of Origin framework via the public process, development of an experimental design based upon a statistically acceptable randomized block design, identification of educators and researchers, development of project timeline, and identification of funding sources.

5. If successful, this project will support the creation of jobs directly affiliated with commercial cannabis cultivation, processing, manufacturing, distribution, sales, and tourism, as well as the production of the vast diversity of employment-related to tourism activities, as discussed previously in this document.
6. Regenerate degraded systems in general, cannabis appellations of origin are expected to establish and protect cannabis farming practices that have a regenerative impact on the environment through investments in soil health, carbon storage, forest management, stream, and river protection, and wildlife habitat enhancement. Specific benefits of to the environment as derived by cannabis farming standards established via cannabis appellations of origin include the following:
  - 6.1. Supports sustainable use of environmental resources through compliance with rigorous environmental regulations and limitations on chemical inputs.
  - 6.2. Preserves working landscapes by creating jobs that allow people to continue working the land that surrounds their farms in a manner that improves forest health.
  - 6.3. Creates appellation wide consensus on cannabis strain suitability to specific environmental conditions, thus increasing the ecological IQ of farmworkers.
  - 6.4. Protection of riparian corridors to protect water quality and provide for wildlife passage through the establishment of 50-foot minimum setbacks from all streams, rivers and wetlands.
  - 6.5. Improvement of forest health through the implementation of fuel load reduction activities, and management for oak woodland and hardwood forest health.
  - 6.6. Implementation of regenerative farming practices that derive soil fertility from locally sourced composted organic waste materials such as wood chips, fish carcasses, spent brewery grains, spent mushroom spawn, straw, and animal manure.
  - 6.7. Capture and storage of winter water to supply summer irrigation water need to support aquatic wildlife habitat needs.
7. Explain how the project contributes to the quality of life for Humboldt County residents in any of the categories listed below:
  - 7.1. Builds leadership among our cannabis farming community in terms of successful entrepreneurship and regenerative farming practices.
  - 7.2. Supports the economic viability of farming communities in remote, hard to access areas of Humboldt County.
  - 7.3. Revitalizes communities and infrastructure by creating pathways for economic gain, commercial uses for existing buildings, and investments in schools, non-profits, volunteer fire departments, and other community organizations traditionally supported by donations from the cannabis industry.
  - 7.4. Enhances Humboldt County's identity as an agricultural oasis nestled among epic coastal views and glorious old growth forests.
  - 7.5. Preserves the heritage of traditional sun-grown cannabis farmers of Humboldt County.
  - 7.6. Contributes to Humboldt County being a desirable place to live by creating jobs and leisure activities.
8. Explain the capacity of your organization, staff, and project partners to implement this project.

- 8.1. Both ICFA and Compliant Farms Certified have conducted work leading up to this point in time that supports the success of this project. For example, ICFA has: participated in stakeholder engagement opportunities with CDFA appellations of origin program development team to gain perspective on their approach; hosted stakeholder listening sessions on the topic during a statewide whistle-stop tour; hosted in-depth educational workshops on the topic within Humboldt County; and co-authored a white paper regarding the importance of cannabis appellations of origin for presentation to participants of a World Health Organization summit in 2018 (attached). The Compliant Farms Certified team has extensive expertise in graduate-level agricultural research, permaculture design, and development of cannabis farm-specific management for environmental stewardship. Over the last six years, ICFA and Compliant Farms Certified have observed the need for quantifying the environmental aspects associated with cannabis cultivation, the appellations of origin baseline study is a natural container for this work.
9. If you will be using grant funds to hire expertise please list the consultants or firms you are considering. If you are not considering using local business please explain why. Grant funds will be used to hire expertise as follows:
  - 9.1. In the form of local consulting firm Compliant Farms Certified who will coordinate and implement the baseline study. The owners and operators of Compliant Farms Certified have collectively owned and operated three businesses in Humboldt County for approximately ten-years.
  - 9.2. In the form of local laboratory by North Coast Laboratories.
10. Explain how you will acknowledge the Headwater Fund in your work.
  - 10.1. If funded gratitude for the Headwaters Fund will be showcased in all aspects of our work including but not limited to: mention in social media posts, mention in educational events, and mention in data summaries and reports.

**ATTACHMENT 1: PROJECT BUDGET UPDATED December 01, 2019**

Following is the project budget with a description of matching funds sources included.

Project Expense Item	Requested Amount from Headwaters Grant		Requested Amount from Watershed Fund		Requested Amount from Dr. Bronner's		Source of Funds
	Total Cost (\$)	Fund	Amount from Watershed Fund	Amount from Dr. Bronner's	Requested Amount from Dr. Bronner's	Requested Amount from Dr. Bronner's	
<b><u>ICFA- Staff Cost</u></b>							
Education via Social Media & Community Meetings	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00		Bronner's
FAQ Development	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00		Bronner's
Community Interface/Reporting	\$ 3,000.00	\$ 1,170.00	\$ -	\$ 1,830.00	\$ 1,830.00		Bronner's, Headwaters
Budget Management & Reporting	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ -		Bronner's, Headwaters
ICFA Administrative Cost- Non-staff Related Cost	\$ 1,200.00	\$ 720.00	\$ -	\$ 480.00	\$ 480.00		Bronner's, Headwaters
<b>ICFA Sub-Total</b>	<b>\$ 11,200.00</b>	<b>\$ 3,890.00</b>	<b>\$ -</b>	<b>\$ 7,310.00</b>	<b>\$ 7,310.00</b>		
<b><u>Equipment Costs (sales tax included)</u></b>							
(8) Vantage Pro2 Plus Davis Weather Station model 6123 with upgrade model 6328	\$ 21,640.00	\$ 21,640.00	\$ -	\$ -	\$ -		Headwaters
(8) Weather Station Installation Hardware	\$ 1,720.00	\$ 1,720.00	\$ -	\$ -	\$ -		Headwaters
<b>Equipment Sub-Total</b>	<b>\$ 23,360.00</b>	<b>\$ 23,360.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b><u>Compliant Farms Certified Professional Services Cost</u></b>							
Weather Station Install (8 Sites)	\$ 5,600.00	\$ -	\$ 5,600.00	\$ -	\$ -		Watershed Fund
Soil & Water Sample Collection (8 Sites, 2 sampling events); weather station maintenance (8 Sites, 1 event).	\$ 5,600.00	\$ -	\$ 5,600.00	\$ -	\$ -		Watershed Fund
Year 1 Data Consolidation, Preliminary Analysis & Summary	\$ 5,000.00	\$ -	\$ 5,000.00	\$ -	\$ -		Watershed Fund

Geographic Location Determination via Analysis of Environmental Factors & Cannabis Farming Community Outreach	\$ 3,000.00	\$ -	\$ 3,000.00	\$ -	Watershed Fund
Compliant Farms Travel & Administrative- Non-staff Related Cost	\$ 2,880.00	\$ -	\$ 2,880.00	\$ -	Watershed Fund
<b>Compliant Farms Certified Sub-Total</b>	<b>\$ 22,080.00</b>	<b>\$ -</b>	<b>\$ 22,080.00</b>	<b>\$ -</b>	
<b><u>North Coast Laboratories Professional Services</u></b>					
(64) Soil Sample Analysis	\$ 6,400.00	\$ -	\$ 6,400.00	\$ -	Watershed Fund
(16) Water Quality Analysis	\$ 1,600.00	\$ -	\$ 1,600.00	\$ -	Watershed Fund
<b>North Coast Laboratories Sub-Total</b>	<b>\$ 8,000.00</b>	<b>\$ -</b>	<b>\$ 8,000.00</b>	<b>\$ -</b>	
<b>TOTAL PROJECT COST</b>	<b>\$ 64,640.00</b>	<b>\$ 27,250.00</b>	<b>\$ 30,080.00</b>	<b>\$ 7,310.00</b>	

GOVERNANCE: TRADITIONAL FARMERS FOUNDATION DBA INTERNATIONAL CANNABIS FARMERS ASSOCIATION

The Traditional Farmers Foundation DBA the International Cannabis Farmers Association is a California Domestic Nonprofit. It is governed by a Board of Directors comprised of the following people:

1. Kelly Flores
2. Tina Gordon
3. Erin Gore
4. Hollie Hall, Ph.D.
5. Kristin Nevedal
6. Erich Pearson

March 29, 2019

Headwaters Grant Fund  
ATTN: Kenneth Spain  
520 E Street  
Eureka CA, 95503

RE: Humboldt County Cannabis Appellations of Origins Baseline Study Grant Proposal

Mr. Kenneth Spain,

The Humboldt Sun Growers Guild (HSGG) is writing this letter in order to fully endorse the grant application submitted by Dr. Hollie Hall on behalf of the International Cannabis Farmers Association (ICFA). HSGG is a microbusiness located in Arcata, California and started as a cooperative formed by legacy farmers in the region. Today we represent small farmers through the representation through our in-house brands such as True Humboldt or Region Cannabis and through their respective boutique brands. HSGG has always supported family farms and seek to aid them further through the highly regulated market. An appellation project on this scale not only adds value to what it truly means to be Humboldt grown but can bolster the economic prosperity this region is desperately needing in lieu of the regulated market boom.

By Headwaters Grant supplying ICFA with the funds the proposed project will be able to establish a baseline on environmental data that is needed to establish appellations of origin in Humboldt County. Dr. Hollie Hall is a pillar is a trusted member of the cannabis community and a leader in watershed protection. As a founding board member of ICFA, she has been able to lead the charge in empowering farmers through research and advocacy.

We are standing behind Dr. Hollie Hall in creating this platform through which craft-cannabis producers can be supported through economic development while strengthening the region's position in the newly regulated cannabis industry. Humboldt County is home to legacy farmers who have become world renowned for the production craft-cannabis, but in the face of heavy legalization and the high cost of regulation, these farmers are at risk of losing their livelihoods. The Appellations of Origins Baseline study will help identify key components that differentiate Humboldt cannabis from the commodity grade cannabis and allow recognition of the region that it is cultivated in. The research will take into consideration geographical origin, cultural practices, microclimates, terroir by compiling a comprehensive set of data with consistent sampling and collection techniques across the board. While many different regions have been actively working on developing their appellation, a concerted effort like this can only be executed through access to this community and through adequate funding.

HSGG unhesitatingly recommends that the grant is awarded to Dr. Hollie Hall.

Yours Truly,



Helena Lee  
Chief of Staff  
Humboldt Sun Growers Guild



March 28, 2019

Headwaters Grant Fund  
Kenneth Spain  
520 E Street  
Eureka CA, 95503

RE: Humboldt County Cannabis Appellations of Origin Baseline Study Grant Proposal

Dear Mr. Spain,

This letter is in support of the grant application submitted by Dr. Hollie Hall on behalf of the International Cannabis Farmers of Association (ICFA) for the Humboldt County Cannabis Appellations of Origin Baseline Study. This project will document baseline data needed to begin the process of creating cannabis appellations of origin within Humboldt County. I have served on the Board of Directors of the Humboldt Cannabis Chamber of Commerce with Dr. Hollie Hall. I know her to put watersheds, the environment and the community first in all matters. I have full confidence that Dr. Hall and the ICFA will work toward improving our economy, community and environment.

Myself and many in the community have a vision of the future of Humboldt being many small environmentally sustainable farms producing relatively small amounts of world class quality cannabis. This will protect our legacy cannabis farmers and grow our economy while preserving and improving the environment. Humboldt County's regulated farmers face many well documented challenges to creating this future. One major factor that multiplies these challenges is the commodification of cannabis state wide.

As the State moves forward with regulation Humboldt cannot compete with other areas of California for bulk production. We simply do not possess very much flat land compared to other counties. I believe that cannabis tourism, along with craft production, can be pillars of our economy.

Cannabis tourism has the potential to be a major economic boon to the area. For example, Napa County estimates that in general one third of their economy is attributed to wine production while the remaining two thirds comes from wine tourism. In fact, the Humboldt-Eureka Visitors Bureau apply a seven times multiplier to dollars spent on tours. Appellations of Origin will allow visitors to have authentic exclusive experiences. Cannabis Appellations of Origin are key to growing Humboldt's nascent cannabis tourism industry.

If we are to succeed as regulation moves forward Humboldt needs to make our own niche, set ourselves apart from the bulk commodity market and then leverage that niche to bring visitors here. Cannabis Appellations of Origin are the most effective way to set ourselves apart, legally and in the mind of the consumer. The study

proposed by Dr. Hall is the first step toward creating our niche in the ever expanding cannabis market. I whole heartedly urge the Headwaters Grant Fund to accept the proposal for the Humboldt County Cannabis Appellations of Origin Baseline Study. Thank you for your consideration.

Matt Kurth

A handwritten signature in black ink, appearing to read "Matt Kurth". The signature is fluid and cursive, with the first name "Matt" being more prominent and the last name "Kurth" following in a similar style.

Founder/CEO Humboldt Cannabis Tours  
(707) 839-4640  
[MattKurth@Humcannabis.com](mailto:MattKurth@Humcannabis.com)  
3215 Halfway Ave. Unit A  
McKinleyville

March 25, 2019

Headwaters Grant Fund  
Kenneth Spain  
520 E Street  
Eureka CA, 95503

RE: Humboldt County Cannabis Appellations of Origin Baseline Study Grant Proposal

Dear Mr. Spain:

As neighbors and compliant cannabis farmers in the Briceland region of Humboldt County, we are writing this letter in support of a grant application submitted by Dr. Hollie Hall on behalf of the International Cannabis Farmers of Association (ICFA). If funded the proposed project will collect baseline data needed to establish cannabis appellations of origin in Humboldt County. The proposed process of first working with the cannabis community to consider the geographic scale and location of potential appellations, then to collect comprehensive climate, soil and water data is sound. Hollie is a leader in the effort to connect cannabis farming systems to watershed stewardship and also well trusted in the Humboldt cannabis community. We believe that under her guidance the proposed project will have the level of participation, organization, and follow through required to produce useful baseline information regarding Humboldt's cannabis appellations of origin.

Humboldt County as a whole is a unique and magical place. Establishment of cannabis appellations of origin within the county will help us to protect that magic while also creating a platform for elevating the cannabis produced here above most others in the market place. We are hopeful that result will be an improved economy stimulated by robust cannabis sales, tourism, and job creation.

Thank you in advance for your consideration,

John Casali - Huckleberry Hill Farms

Teal Cyrek - Huckleberry Lane, LLC

David Stein - Briceland Forest Farm

Mr. Doty - Galen Donohue - Whitethorn Valley Farm

Jrell Messenger - Full Sun Farm

March 25, 2019

Headwaters Grant Fund  
Kenneth Spain  
520 E Street  
Eureka CA, 95503

RE: Humboldt County Cannabis Appellations of Origin Baseline Study Grant Proposal

Dear Mr. Spain:

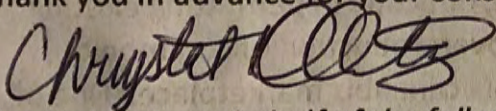
We are writing this letter to communicate support for a grant application submitted by Dr. Hollie Hall on behalf of the International Cannabis Farmers of Association (ICFA). If funded the proposed project will collect baseline environmental data needed to establish cannabis appellations of origin in Humboldt County. Dr. Hollie Hall is a leader in watershed protection and also well trusted in the Humboldt cannabis community. In addition, she is a founding board member of the ICFA and chairs the appellation of origin committee. The mission of ICFA is to empower traditional farmers through research, education, and advocacy. Appellations of origin research is a platform priority in the organization because their establishment will support the health of our local community through economic development, environmental protection, and will also help to strengthen our region's position in the newly regulated cannabis industry.

Humboldt County is a world-renowned legacy producer of quality craft cannabis. Through the adoption of Prop 64 and the subsequent implementation of the Medical and Adult Use Cannabis Regulation Act (MAUCRSA), California is swiftly regulating the commercial cultivation of cannabis. While this has created significant opportunity for economic development throughout the state, legacy producing regions such as Humboldt County are actually at risk of losing economic stability through the high costs of regulation, difficulty in permitting existing operations, small farms inability to scale and the impending overproduction of commodity grade cannabis that previously has not existed in the California cannabis marketplace. One of the key components to protect the legacy and integrity of the Humboldt county cannabis industry is the development of a differentiated marketplace. Appellations of origin (AO) is a crucial tool used to help specialty crop farmers place more emphasis on the quality of their craft and spend time creating a product that is unique to their region. AO designation takes into consideration geographical origin, traditional knowledge (cultural practices), microclimates and terroir in promoting the superiority of that region's product. It can be argued that Humboldt already meets these criteria unofficially, but scientific research and the development of standards to define and protect the region's appellations are needed to secure specific appellations of origin protections. CDFA has been tasked with developing a process for licensed cannabis cultivators in California to establish state cannabis appellations, but as leaders in the state and with a world-renowned cannabis legacy, many cultivators in Humboldt county are taking steps to define and protect the cultural and environmental practices that are unique to our region. Some examples of the data collection include comprehensive water and soil

testing, climate data, daylight hours, soil temps, humidity and fog, elevation, drying and curing times and temps, etc. While individual farms data may be helpful, a comprehensive set of data with consistent sampling and collection is much more useful in starting the process of defining what makes Humboldt county cannabis so special. It is through willing partner farms, a competent and thorough research team with strong leadership, the institutional framework provided by ICFA, and adequate grant funding that Humboldt county cannabis farmers can gain a head start in obtaining the appellations of origin recognition mandated first by CDFA, and eventually perhaps meet the standards that will warrant international protection. It is this approach that will protect and bolster our region through maintaining our cultural legacy, preserving our small farm heritage, reducing environmental impact and resource use and supporting the economic foundation of our entire community.

There are a few regions in Humboldt county that have been developing their appellations and working together to define their terroir and even sharing farming practices. The Shively, Holmes, and Larabee communities have a very special terroir, with the Eel River snaking through their valley. Connected only in the summertime with summer bridges, these three communities straddle the Eel River on her final stretch to the Pacific Ocean. The farmers in this valley are flanked by majestic old growth redwood trees and the Avenue of the Giants on one side and the fog-shrouded coast on the other. Sitting right where those two unique climates meet, these farmers grow cannabis in the ground using native soil and many dry farm, growing their cannabis without any irrigation water past the planning stage. These practices are unique to this region, and attract interest from the entire world. The easy access, paved roads and even wheelchair accessibility of these farms make them ideal candidates for research, tourism and economic development. We have had a weather station tracking climate data and groundwater monitoring devices for the last two seasons in the Holmes Flat region. The following farms in the Holmes Shively and Larabee communities wish to encourage grant funding to further this research and would be honored to participate if needed.

Thank you in advance for your consideration,



*Chrystal Ortiz on behalf of the following farms in the Holmes Community*

High Water Farm

Sunboldt Grown

Generation Farms

Happy Dreams Farm

Dry Farmed Organic Medicinals



# State of California Secretary of State

N

## Statement of Information

(Domestic Nonprofit, Credit Union and General Cooperative Corporations)

G612198

FILED

In the office of the Secretary of State  
of the State of California

APR-29 2019

**Filing Fee: \$20.00. If this is an amendment, see instructions.**

**IMPORTANT – READ INSTRUCTIONS BEFORE COMPLETING THIS FORM**

**1. CORPORATE NAME**

TRADITIONAL FARMERS FOUNDATION

**2. CALIFORNIA CORPORATE NUMBER**

C4012519

This Space for Filing Use Only

**Complete Principal Office Address** (Do not abbreviate the name of the city. Item 3 cannot be a P.O. Box.)

3. STREET ADDRESS OF PRINCIPAL OFFICE IN CALIFORNIA, IF ANY	CITY	STATE	ZIP CODE
434 CHURCH STREET, GARBERVILLE, CA 95542			

4. MAILING ADDRESS OF THE CORPORATION	CITY	STATE	ZIP CODE
434 CHURCH STREET, GARBERVILLE, CA 95542			

**Names and Complete Addresses of the Following Officers** (The corporation must list these three officers. A comparable title for the specific officer may be added; however, the preprinted titles on this form must not be altered.)

5. CHIEF EXECUTIVE OFFICER/	ADDRESS	CITY	STATE	ZIP CODE
KRISTIN NEVEDAL	782 LOCUST STREET, GARBERVILLE, CA 95542			

6. SECRETARY	ADDRESS	CITY	STATE	ZIP CODE
TINA GORDON	PO BOX 5, GARBERVILLE, CA 95542			

7. CHIEF FINANCIAL OFFICER/	ADDRESS	CITY	STATE	ZIP CODE
KELLY FLORES	2306 ALBEE STREET, EUREKA, CA 95501			

**Agent for Service of Process** If the agent is an individual, the agent must reside in California and Item 9 must be completed with a California street address, a P.O. Box address is not acceptable. If the agent is another corporation, the agent must have on file with the California Secretary of State a certificate pursuant to California Corporations Code section 1505 and Item 9 must be left blank.

8. NAME OF AGENT FOR SERVICE OF PROCESS [Note: The person designated as the corporation's agent MUST have agreed to act in that capacity prior to the designation.]  
NEW SEASON CORPORATE SERVICES

9. STREET ADDRESS OF AGENT FOR SERVICE OF PROCESS IN CALIFORNIA, IF AN INDIVIDUAL	CITY	STATE	ZIP CODE
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**Common Interest Developments**

10.  Check here if the corporation is an association formed to manage a common interest development under the Davis-Stirling Common Interest Development Act, (California Civil Code section 4000, et seq.) or under the Commercial and Industrial Common Interest Development Act, (California Civil Code section 6500, et seq.). The corporation must file a Statement by Common Interest Development Association (Form SI-CID) as required by California Civil Code sections 5405(a) and 6760(a). Please see instructions on the reverse side of this form.

11. THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT.

04/29/2019	KRISTIN NEVEDAL	CHIEF EXECUTIVE OFFICER	
DATE	TYPE/PRINT NAME OF PERSON COMPLETING FORM	TITLE	SIGNATURE



**Secretary of State**  
**Articles of Incorporation of a**  
**Nonprofit Public Benefit Corporation**

**ARTS-PB-**  
**501(c)(3)**

**FILED** *AM*  
**Secretary of State**  
**State of California** *GS*

**APR 13 2017**

**IMPORTANT** — Read Instructions before completing this form.

**Filing Fee** — \$30.00

**Copy Fees** — First page \$1.00; each attachment page \$0.50;  
 Certification Fee - \$5.00

*Note:* A separate California Franchise Tax Board application is required to obtain tax exempt status. For more information, go to <https://www.ftb.ca.gov>.

*icc* This Space For Office Use Only

**1. Corporate Name** (Go to [www.sos.ca.gov/business/be/name-availability](http://www.sos.ca.gov/business/be/name-availability) for general corporate name requirements and restrictions.)

The name of the corporation is Traditional Farmers Foundation

**2. Business Addresses** (Enter the complete business addresses. Item 2a cannot be a P.O.Box or "in care of" an individual or entity.)

a. Initial Street Address of Corporation - <b>Do not enter a P.O. Box</b> 434 Church Street	City (no abbreviations) Garberville	State CA	Zip Code 95542
b. Initial Mailing Address of Corporation, if <b>different than item 2a</b> P.O. Box 393	City (no abbreviations) Redway	State CA	Zip Code 95560

**3. Service of Process** (Must provide either Individual OR Corporation.)

**INDIVIDUAL** — Complete Items 3a and 3b only. Must include agent's full name and California street address.

a. California Agent's First Name (if agent is <b>not</b> a corporation)	Middle Name	Last Name	Suffix
b. Street Address (if agent is <b>not</b> a corporation) - <b>Do not enter a P.O. Box</b>	City (no abbreviations)	State CA	Zip Code

**CORPORATION** — Complete Item 3c. Only include the name of the registered agent Corporation.

c. California Registered Corporate Agent's Name (if agent is a corporation) — Do not complete Item 3a or 3b  
New Season Corporate Services

**Item 4a:** One or both boxes **must** be checked.

**4. Purpose Statement** **Item 4b:** If "public" purposes is checked in item 4a, or if you intend to apply for tax-exempt status in California, you **must** enter the specific purpose in Item 4b.)

a. This corporation is a nonprofit **Public Benefit** Corporation and is not organized for private gain of any person. It is organized under the Nonprofit Public Benefit Corporation Law for:  **public purposes.**  **charitable purposes.**

b. The specific purpose of this corporation is to Conduct research and provide public education on the benefits of organic, outdoor farming

**5. Additional Statements** (See Instructions and Filing Tips.)

- a. This corporation is organized and operated exclusively for the purposes set forth in **Article 4** hereof within the meaning of Internal Revenue Code section 501(c)(3).
- b. No substantial part of the activities of this corporation shall consist of carrying on propaganda, or otherwise attempting to influence legislation, and this corporation shall not participate or intervene in any political campaign (including the publishing or distribution of statements) on behalf of any candidate for public office.
- c. The property of this corporation is irrevocably dedicated to the purposes in **Article 4** hereof and no part of the net income or assets of this corporation shall ever inure to the benefit of any director, officer or member thereof or to the benefit of any private person.
- d. Upon the dissolution or winding up of this corporation, its assets remaining after payment, or provision for payment, of all debts and liabilities of this corporation shall be distributed to a nonprofit fund, foundation or corporation which is organized and operated exclusively for **charitable, educational and/or religious** purposes and which has established its tax-exempt status under Internal Revenue Code section 501(c)(3).

**6. Read and Sign Below** (This form must be signed by each incorporator. See Instructions. Do not include a title.)

Signature

James Anthony  
 Type or Print Name

P.O. BOX 2508  
CINCINNATI OH 45201

049821.829269.240216.22528 1 SP 0.560 536



  
TRADITIONAL FARMERS FOUNDATION  
CRISTINA SAVE  
3542 FRUITVALE AVENUE 224  
OAKLAND CA 94802

049821



TRADITIONAL FARMERS FOUNDATION  
CRISTINA SAVE  
3542 FRUITVALE AVENUE 224  
OAKLAND CA 94802

049821

Employer identification number: 82-1178844  
Tax form: 1023  
Document locator number: 17053-177-32602-9  
For assistance, call: 1-877-829-5500

Dear Applicant,

We received your application for exemption from federal income tax and your user fee payment.

During the initial review process, applications for exemption are separated into two groups:

1. Those that can be processed based on information submitted
2. Those that require additional information to be processed

If your application falls in the first group you'll receive a determination letter within approximately 90 days from the date of this notice stating that you re exempt from federal income tax.

If your application falls in the second group, you'll be contacted when your application has been assigned to an Exempt Organizations specialist for review. You can expect to be contacted within approximately 180 days from the date of this notice. After 180 days, if you haven't been notified your application was assigned to a specialist, you can contact Customer Account Services Monday through Friday at the toll-free number shown above to check on its status. The individual calling on your behalf will need the following information:

- \* Your name
- \* Your employer identification number (EIN)
- \* The document locator number listed above and assigned to your request
- \* A proper power of attorney submitted with your exemption application, unless the individual calling is an officer or director and legally authorized to represent you

The IRS doesn't issue "tax-exempt numbers" or "tax-exempt certificates" for state or local sales or income taxes. If you need exemption from these taxes, contact your state or local tax offices.

Most organizations are required to file an annual information return

9999999999

July 10, 2019 LTR 3367C S0  
82-1178844 000000 00

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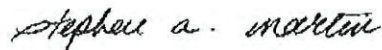
TRADITIONAL FARMERS FOUNDATION  
CRISTINA SAVE  
3542 FRUITVALE AVENUE 224  
OAKLAND CA 94802

(Form 990, Form 990-EZ, or Form 990-PF) or electronic notice (Form 990-N, the e-Postcard) while their applications for exemption or miscellaneous determination requests are pending. If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked. Visit [www.irs.gov](http://www.irs.gov) and type "annual exempt organization return: who must file" in the search box for information on the types of organizations that are required to file annual returns or notices.

To receive the Exempt Organizations' EO Update, an electronic newsletter with information for tax-exempt organizations and tax practitioners, go to [www.irs.gov/charities](http://www.irs.gov/charities) and click on "Free e-Newsletter."

For tax forms, instructions, and publications, visit [www.irs.gov](http://www.irs.gov) or call 1-800-TAX-FORM (1-800-829-3676).

Sincerely yours,



Stephen A. Martin  
Director, EO Rulings & Agreements

TIMELINE WITH EXPECTED PROJECT MILESTONES AND COMPLETION DATES

Date	Milestone
February, 2020	Grant awarded. Social media announcements.
March, 2020	Farmer community engagement in identifying potential appellation based on cultural significance and geographic boundaries. Meta-analysis of Humboldt County elevation gradients, precipitation, soil types, precipitation, and temperature gradients initiated.
April – May, 2020	Farmer community engagement in identifying potential appellation based on cultural significance and geographic boundaries continues. Meta-analysis of Humboldt County elevation gradients, precipitation, soil types, precipitation, and temperature gradients finalized. Equipment purchased. Farmer derived data integrated with bio-physical data into maps for visual presentation eight research farm locations identified. Weather stations installed. First set of soil and water samples collected by Compliant Farms Certified and analyzed by North Coast Labs.
June-September, 2020	Weather stations maintained by Compliant Farms Certified and host farmer as needed. Initial examinations and analysis of climate, soil and water data conducted. Information added to maps.
October – November, 2020	Second set of soil and water samples collected by Compliant Farms Certified and analyzed by North Coast Labs. Weather stations maintained by Compliant Farms Certified and host farmer as needed. Continued examinations and analysis of climate, soil and water data conducted. Information added to maps.
December, 2020 – February, 2021	All collected data organized and summarized into report for distribution.

# Hollie R. Hall, Ph.D.

HollieRHall@gmail.com • PO Box 5306 Arcata, CA 95518 • (707)-502-4870 • www.HollieHall.com

## **Objectives**

To apply the principals of Adaptive Management in the advancement of sustainable watershed resources use through the integration of science and social values with the regulatory frameworks shaping management strategies.

## **Education**

### **Doctorate of Philosophy, Dec. 2013**

Soil and Water Science Department, University of Florida, Gainesville, FL

Program: National Science Foundation Integrated Education & Research Traineeship in the Adaptive Management of Wetlands, Waterways, and Watersheds.

Dissertation Title: Protecting Florida Lakes: Regulatory Intent, Recreational Use, and Water Quality

- ❖ Tested the principals of Adaptive Resource Management that predict failure of resource management strategies that do not regard scientific monitoring and social values.
- ❖ Conducted research examining the efficacy of both state and national level water quality policies with a focus on stakeholder engagement in policy development, regulatory definitions for recreational use, and site-specific water quality.
- ❖ Developed and applied methodology for defining social values for natural resources and identifying water quality thresholds that shape recreational use patterns.

### **Masters of Science, May 2008**

Soil and Water Science Department, University of Florida, Gainesville, FL

Funding program: University of Florida Tropical Research & Education Center and United States Department of Agriculture.

Thesis Title: Effects of Cover Crop Cultivation on Soil Fertility in a Peruvian Cacao Agroforestry System

- ❖ Conducted research with Insituto de Cultivos Tropicales in Tarapoto, Peru investigating the effects of leguminous cover crop cultivation on soil fertility in an experimental cacao agroforestry system.
- ❖ Wrote and received grants to defray cost of international travel and language school.
- ❖ Conducted laboratory analysis of soil samples.
- ❖ Compiled research findings into thesis and publication.

### **Bachelors of Science, December 2004**

Rangeland Resource Management, Wildland Soil Science, & Botany.  
Humboldt State University, Arcata, CA.

## **Relevant Work Experience**

### **Cannabis Farm Environmental Compliance Consultant, November 2015 – present**

Compliant Farms Certified, Arcata, CA

- ❖ Maintain a comprehensive understanding of the environmental regulations governing cannabis farm related activities.
- ❖ Act as Chief Environmental Compliance Officer for sun grown cannabis farmers in Humboldt, Trinity and Mendocino counties.
- ❖ Develop beyond compliance strategies for farmers wanting to implement regenerative farming practices.
- ❖ Bridge the information and regulatory gap between cannabis farmers and regulating agencies.

**Watershed Resources Consultant**, August 2013 – present

Hollie Hall &amp; Associates Watershed Resources Consulting, Arcata, CA

- ❖ Integrate scientific information and social values to inform watershed resource management strategies.
- ❖ Develop watershed scale water quality and aquatic habitat monitoring programs.
- ❖ Write requests for funds to develop and implement watershed-monitoring programs.
- ❖ Coordinate watershed resources management projects with an array of public, private, and governmental stakeholders.
- ❖ Conduct water diversion and use policy analysis.
- ❖ Assist private landowners to comply with water diversion and use laws and apply conservation strategies.

**Project Coordinator, Researcher & Science Consultant** August 2008 – May 2013

Levin College of Law Conservation Clinic, University of Florida, Gainesville, FL

- ❖ Coordinated projects and conducted research in a multi-disciplinary collaboration between faculty, law students, doctoral students, governmental agents, and citizen stakeholder groups to support watershed-based organizations with the goal of integrating science and policy into watershed scale management plans.
- ❖ Consolidated water quality data, ecological characteristics, and social aspects to determine watershed health and to inform conservation management strategies.
- ❖ Synthesized and communicated research to stakeholder groups via oral presentations and written media.

**Ecosystem Services Intern**, May 2010 – September 2010

World Wildlife Fund, Washington D.C.

- ❖ Created ecosystem services models of the landscape sediment retention and water purification services provided by a forested National Park in the Virungus landscape of Uganda.
- ❖ Aided in facilitation of stakeholder meeting in Kampala, Uganda where ecosystem services models were refined and discussed with a multi-national, multi-agency stakeholder group.
- ❖ Co-wrote annual project report for the funding agency, the MacArthur Foundation.

**Watershed Restoration Technician**, August 2005 – October 2005

Monschke Watershed Restoration, Salmon Creek, CA

- ❖ Designed and implemented stream bank restoration strategies utilizing rock, soil, and native plants.

**Research Assistant**, June 2005 – August 2005

Department of Biological Sciences, Humboldt State University, Arcata, CA

- ❖ Worked within three-person team to develop and implement research protocol for mapping historical grasslands. Compiled collected data into a report for the Redwood National and State Park.

**Watershed Restoration Technician**, January 2005 – April 2005

Mattole Restoration Council, Honeydew, CA

- ❖ Implemented site-specific restoration systems by planting native tree species. Identified and targeted stream banks and earth flows for stabilization efforts.
- ❖ Worked closely with land managers and owners to restore the coniferous portion of forested land following a wildfire. Performed inspections to determine tree stocking and survival as well as suitable areas for replanting.

**Co-Director**, May 2002 - May 2003

Humboldt State University, Campus Center for Appropriate Technology, Arcata, CA

- ❖ Collaborated with two other Co-Directors in all aspects of managing a non-profit organization.

**Summation of skills**

- ❖ Communication:
  - Scientific writing for scientists, general stakeholder groups & government personnel

- Oral and written communication of science to diverse audiences
- Networking across institutional, cultural, educational & disciplinary boundaries
- Report, article, and proposal writing
- ❖ **Team Leadership and Collaboration:**
  - Team leadership, organization, and priority setting
  - Working and communicating within diverse and interdisciplinary teams
  - Team goal setting and task keeping
  - Organization and facilitation of meetings
- ❖ **Research:**
  - Analyzing and synthesizing existing data and information
  - Analyzing regulatory intent
  - Designing and implementing surveys
  - Conducting physical science, social science, and regulatory research
  - Locating data sources to populate ecological models
- ❖ **Technology:**
  - Developing and implementing surveys to define social values/behaviors.
  - Conducting statistical analyses using JMP software
  - Making maps and conducting analyses using ArcGIS
  - Conducting text analyses using MAXQDA
  - Defining social networks using UCINET
  - Designing Power Point posters and presentations

## Oral Presentations

- ❖ **Academic**
  - **American Water Resources Association Florida Chapter Meeting**, May 2012  
Protecting Florida's Water Resources: Analysis of regulatory definitions for recreational use
  - **Howard T. Odum Center for Wetlands Seminar**, January 2011  
Woody Material in Florida Streams: Science, policy, & proposed best management practices
  - **University of Georgia's River Basin Center**, April 2009  
Adaptive Watershed Management: Recommendations for the St. Mary's River Watershed
  - **University of Durban South Africa**, June 2008  
Adaptive Management Case Study: Everglades National Park
  - **Instituto de Cultivos Tropicales Research Expose**, July 2006  
Efecto de cultivos de coberturas en el fraccionamiento de fósforo
- ❖ **Regulatory**
  - **Florida Department of Environmental Protection**, March 2012  
Outstanding Florida Waters: An analysis of water quality data
  - **St. Johns Water Management District**, March 2012  
Managing large woody material in sand bed streams of the Atlantic Coastal Plan: Proposed best management practices
  - **E.P.A. St. Mary's River Water Quality Meeting**, December 2009  
The St. Mary's River Watershed: Improved Management through Bi-State Collaboration
  - **Florida Department of Community Affairs Waterfronts Florida Program**, April 2009  
St. Marys River: Adaptive Watershed Management for a Secure Future
- ❖ **Community**
  - **Mad River Alliance Meeting**, October 2014

Presented stakeholder interview findings regarding water quality data needs and availability for the Mad River Watershed to a diverse group of stakeholders engaged in management of the watershed. Proposed a basin wide water quality-monitoring program that would be comprised of a compilation of existing sources of water quality data.

- **Withlacoochee River Alliance Meeting, April 2011**  
The Withlacoochee River Watershed: Opportunities for adaptive management
- **St. Mary’s River Management Committee Water Quality Technical Meeting, March 2011**  
Fecal Coliform Testing & Standards: A comparison of methods used by the Georgia Environmental Protection Division and the Florida Department of Environmental Protection
- **Withlacoochee River Alliance Meeting, January 2011**  
Withlacoochee River Watershed: Identification of long-term management goals
- **Withlacoochee River Alliance Meeting, October 2010**  
Withlacoochee River Watershed: Identifying stakeholder issues, concerns and values
- **Blackwater River Foundation Meeting, April 2010**  
The Blackwater River Watershed: Opportunities for Adaptive Management
- **St. Mary’s River Water Quality Technical Meeting, March 2010**  
The St. Mary’s River Watershed: Improved Management through Bi-State Collaboration
- **St. Marys River Management Committee, June 2009**  
St. Marys River Watershed: Possibilities for Adaptive Management
- **St. Marys River Fisheries Management Committee, May 2009**  
St. Marys River Watershed: Possibilities for Adaptive Management

**Publications**

**Hall H.**, Feral D., Fuller M., Pounds J., 2014. Mad River Watershed Monitoring: Stakeholder defined information sources, needs, and limitations.

**Hall H.**, McCarthy C., Clark M., 2013 (under review). Regulatory Protection & Definition for Recreational Uses of Florida lakes. *North American Lake Management*.

Linhoss A., Cameron A., Blair S., **Hall H.**, Ankersen T., 2012. Large Woody Material: Science, policy, and best management practices for Florida streams. *Florida Scientist*. 75(3):157-175.

S. Blair, Cathey A., **Hall H.**, Liebowitz D., Moretz M., Policastro M., Ankersen T. 2011. The Withlacoochee River Watershed. Prepared for The Friends of the Withlacoochee River.

**H. Hall**, Li Y., Comerford N., Popenoe H., Baligar V. Cover crops alter phosphorus availability and organic matter accumulation in a Peruvian cacao agroforestry system. 2010. *Agroforestry Systems*. 80:448-454.

**H. Hall**, Blair S., Cathy A., Brown M., Martinez K., Ankerson T. 2010. The Blackwater River Watershed: A Technical Report. Prepared for The Blackwater River Alliance.

S. Blair, Ezell M., **Hall H.**, November J., 2009. St. Marys River Watershed. Prepared for The St. Marys River Management Committee.

**Hall, H.** 2007. Review of Developing and Extending Sustainable Agriculture. A New Social Contract. (Book Review). *Economic Botany*. 61:398-399.

**Hall, H.** 2007. Review of The Chocolate Tree: A Natural History of Cacao, Revised and Expanded Edition. (Book Review). *Economic Botany*. 61:401.

**Grants and Scholarships Received**

Humboldt Area Foundation Technical Assistance Program	08/2013
American Water Resources Association Florida Sanford N. Young Scholarship	05/2011
University of Florida Grinter Fellowship	08/2010

Consortium for Science & Policy Outcomes Science Outside of the Lab Program	04/2010
NSF Innovation through Institutional Integration Program Grant	03/2010
University of Florida College of Agricultural and Life Sciences Fellowship	08/2008
University of Florida Grinter Fellowship	08/2008
NSF-IGERT in Adaptive Management of Water Resources Fellowship	03/2008
American Society of Agricultural Sciences Leadership Workshop	11/2007
University of Florida Institute of Food and Agricultural Sciences Travel Grant	08/2006
University of Florida Joseph-Lillian Damon Scholarship	06/2006
Organization for Tropical Studies Biological Field Course (declined)	06/2006
University of Florida Tinker Travel Grant	05/2006
University of Florida Latin American Studies Field Research Grant	05/2006





Hollie Hall <hollie@icfa.farm>

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## Headwaters Award

3 messages

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**Spain, Kenneth** <kspain1@co.humboldt.ca.us>

Thu, May 16, 2019 at 8:42 AM

To: Hollie Hall <hollie@icfa.farm>

Cc: "Heitz, Ryan" <rheitz@co.humboldt.ca.us>, "Damiano, Debbie" <DDamiano@co.humboldt.ca.us>

Good Morning Hollie,

I am writing to let you know that our Board has tentatively approved an award of \$27,250.00 for your project conditioned upon your obtaining a public partner. The partner organization can be either a 501 (c) (3) or 501 (c) (4). The partner organization will need to provide its IRS letter of incorporation (current if readily available), a budget showing the award with the \$27,250 broken out as to how it will be expended. The Board does not allow an award to be used for overhead administrative costs; that is why the Board reduced the award from the revised amount you requested minus the overhead \$5,715, and then rounded up to an even amount of \$27,250.

The Board will be meeting again on May 28, 2019 at a Special Board Meeting to either approve or deny your grant request. It is essential to have your partner organization and documents in place and available to the Board by the May 28<sup>th</sup> meeting. You will need to be present at the Board Meeting to update the Board and answer any questions members may have.

If you have any questions, please do not hesitate to call me. If you call my office number and I am not available, please try my cell number, 707-572-8664.

Please confirm receipt of this correspondence.

Thanks so much,

Kenny

Kenneth Spain

County of Humboldt, Economic Development Specialist

Headwaters Fund Executive Director

(707) 476-4809

520 E Street, Eureka, CA 95501



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**Hollie Hall** <hollie@icfa.farm>

Thu, May 16, 2019 at 11:36 AM

To: "Spain, Kenneth" <kspain1@co.humboldt.ca.us>

Cc: "Heitz, Ryan" <rheitz@co.humboldt.ca.us>, "Damiano, Debbie"

<DDamiano@co.humboldt.ca.us>, Kristin Nevedal <knevedal@gmail.com>

Thank you, Kenneth, for the terrific news!

My apologies for leaving the meeting early the other day. I was headed off to Utah and am now wrapping up some work from Vernal, Utah before heading out on a rafting trip on the Yampa River for the next week. I am in contact with Kerry Reynolds at the Trees Foundation, her board is able to vote by email so we will have all of the details worked out with them by the 28th. We do not have an official yes from them at this point, but optimism for sure. Our fingers are crossed.

While I am on the river I will not have internet access. If you have any questions at all please contact ICFA's Executive Director Kristin Nevedal whom I have copied on this email.

It has been an absolute joy to experience working with the Headwater Fund Board and the progressive and supportive atmosphere. Thank you all so much! I look forward to our continued collaboration.

With best regards,

Hollie

[Quoted text hidden]

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Hollie Hall, PhD

Board Member  
International Cannabis Farmers Association

Owner  
Compliant Farms Certified  
Hollie Hall & Associates Watershed Resources Consulting



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**Spain, Kenneth** <kspain1@co.humboldt.ca.us>

Thu, May 16, 2019 at 4:35 PM

To: Hollie Hall <hollie@icfa.farm>

Cc: "Heitz, Ryan" <rheitz@co.humboldt.ca.us>, "Damiano, Debbie" <DDamiano@co.humboldt.ca.us>, Kristin Nevedal <knevedal@gmail.com>

Hollie,

Thanks for the heads up. Safe travels and have fun!

Kenny


Kristin,

Please let me know if I can help. You will need Kerry to get her Foundation's Board to approve a budget adjustment for the grant amount. We will also need a copy of their IRS letter for 501 (c)(3) status. One other thing to keep in mind is we will need their certificates of insurance when we get to processing the contract.

Thank you,

Kenny

[Quoted text hidden]

<b>This Certificate Declaration Page is attached to and forms part of the Certificate Provisions.</b>			
Previous No. N/A	Authority Ref. No B1262FBW0007319	Certificate No. SCP2019002013	
1. Name and address of the Assured	Traditional Farmers Foundation DBA International Cannabis Farmers Association 782 Locust Street GARBERVILLE California 95542 United States of America		
2. Effective Date	27 November 2019	To	27 November 2020
Both days at 12.01 a.m. Local Standard Time at the address of the Assured			
3. Insurance is effective with:	<b>Certain Underwriters at Lloyd's, London</b>	Percentage	<b>100%</b>
4. Amount		Coverage	Premium
USD 1,000,000	Any one claims and in all including costs and expenses	Professional Liability Insurance	USD 3,000.00
		Policy Fee	225.00
		Surplus Tax	90.00
Assured's Profession: NON-PROFIT ASSOCIATION SERVICES		Stamping Fee	6.00
		<b>Grand Total</b>	<b>3321.00</b>
5. Special Conditions: Wording: TPro (M) 2014 Deductible: USD 5,000 Each and every claim including costs and expenses NMA1256 - Nuclear Incident Exclusion Clause - Liability - Direct (Broad) LMA 5020 - Service of Suit Clause (USA) NMA2807 - Absolute Year 2000 / Date change Mould Exclusion NMA 2918 - War and Terrorism Exclusion Endorsement LSW 541 - R.I.C.O Exclusion NMA 1168 - Small Additional or Return Premium Clause (USA) Retroactive Exclusion Clause 25.00% Minimum Earned Premium Endorsement Complaints and Other Enquiries Document LSW 001 - Several Liability Notice Conformity Clause Free Risk Assessment Helpline LMA9098 California Surplus Lines Notice 1 LMA9030 California Surplus Lines Notice 2 Retroactive date <b>27 November 2019</b> Warranted: General Liability in place, failure to maintain this insurance will result in immediate cancellation of this Certificate ab initio. Warranted: Hold Harmless/Limitation of Liability contract language in place, failure to maintain this insurance will result in immediate cancellation of this Certificate ab initio. This insurance is subject to the applicable state law to be determined by the provisions of the Service of Suit Clause attached to this Insurance. As this contract is subject to the US state surplus lines requirements. It is the responsibility of the surplus lines broker to affix any or all applicable surplus lines notice(s) to this document before it is provided to you the Assured. In the event that the applicable surplus lines notice(s) are not affixed to this contract document the Assured should contact the surplus lines broker or Intermediary named thereon.			
6. Service of Suit: Service of process in the event of suit may be made upon: Foley & Lardner LLP., 555 CALIFORNIA ST, SAN FRANCISCO, California, 94104-1520, United States of America			
7. Provided that the Assured meets the eligibility requirements, the premium for the extended claims period is 200% of the full annual premium hereunder.			
8. The date of the application is: 26 November 2019			
9. All claims to be reported directly to: Intermediary named in Item 10.			
10. The Intermediary negotiating this Insurance on behalf of the Correspondent is: Anderson and Murison Inc, P O Box 41911, 800 West Colorado Blvd., Los Angeles, 90041, United States of America			
11. Surplus Lines License Holder: Anderson And Murison Inc. Address: 800 W Colorado Boulevard Los Angeles 90041 United States of America			
License No.	323106	Filing State:	California
In Witness whereof this Certificate has been signed this 28 day of November 2019			
By	 (Authorised Signatory)		

TRADITIONAL FARMERS FOUNDATION DBA INTERNATIONAL CANNABIS FARMERS ASSOCIATION ANNUAL OPERATING BUDGET

Budget Item	Q1	Q2	Q3	Q4	Annual Budget
Operations TFF	\$20,149.29	\$22,473.66	\$7,881.58	\$12,766.07	\$63,270.60
Education and Outreach TFF	\$3,154.43	\$4,035.79	\$364.59	\$4,623.12	\$13,077.93
Advocacy	\$0.00	\$18,000	\$0.00	\$1,000.00	\$19,000
Research TFF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TFF Subtotals</b>	<b>\$23,303.72</b>	<b>\$45,409.45</b>	<b>\$8,246.17</b>	<b>\$18,389.19</b>	<b>\$95,348.53</b>