



NORTH COAST RESOURCE PARTNERSHIP

AGENDA

North Coast Resource Partnership – Executive Committee Meeting
Friday, February 25, 10:00-12:00 via Zoom

<https://us02web.zoom.us/j/84761700170?pwd=NFF0UGFJY0ZxTzJvOWdUNnUyaVNsdz09>

(detailed information and call in numbers on next page)

Meeting Facilitator: Karen Gaffney

Item	Time	Action	Topic
I	10:00		Welcome & Roll Call: Co-Chairs Hillman & Gore
II	10:10	Decision	Review and Approve Agenda
III	10:15	Decision	NCRP Urban & Multi-benefit Drought Relief Grant Proposal Submissions TPRC Co-Chairs Perez & Roberts, NCRP Staff
IV	10:45	Decision	Yurok Letter of Support Request – USGS and CNRA
V	11:10	Guidance	Legal Consultation Susan Haydon & Cybelle Immitt
VI	11:00	Guidance	April 15 Meeting
VII	11:30	Guidance	May 5 Meeting
VIII	11:50	Informational	RFFC Update
	12:00	Adjourn	

MEETING MATERIALS

NCRP EXECUTIVE COMMITTEE February 25, 2022, 10:00-12:00

Zoom Meeting

<https://us02web.zoom.us/j/84761700170?pwd=NFF0UGFJY0ZxTzJvOWdUNnUyaVNsdz09>

Meeting ID: 847 6170 0170

Passcode: 878456

One tap mobile

+16699006833,,84761700170#,,,,*878456# US (San Jose)

+12532158782,,84761700170#,,,,*878456# US (Tacoma)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 312 626 6799 US (Chicago)

+1 929 436 2866 US (New York)

+1 301 715 8592 US (Washington DC)

Meeting ID: 847 6170 0170

Passcode: 878456

Find your local number: <https://us02web.zoom.us/j/kdRQ1XpWJQ>

ITEM III. NCRP URBAN & MULTIBENEFIT DROUGHT RELIEF GRANT PROPOSAL SUBMISSIONS

BACKGROUND

The California Department of Water Resources (DWR), is providing \$190 million in grant funding through the [Urban and Multibenefit Drought Relief Grant Program](#) for interim or immediate relief in response to conditions arising from drought across California. The Final Guidelines/ Proposal Solicitation were released on October 29 and can found at the following link: [Final 2021 Urban and Multibenefit Drought Relief Grant Program Guidelines and Proposal Solicitation Package](#)

NCRP DROUGHT RELIEF SUBMISSION 1

On November 29, the NCRP received 25 project proposals to be considered for inclusion into the NCRP Urban and Multibenefit Drought Relief Grant Proposal for submittal to DWR on January 14, 2022. The total funding request was \$22.9 million with a total project cost of over \$25 million.

The Technical Peer Review Committee (TPRC) conducted their technical review and met on December 7 for the [TPRC Project Review Meeting](#) to discuss the project proposals and select a draft suite of Priority Projects for review and approval during the [NCRP Executive Committee meeting](#) held on Dec 10, 2021. The TPRC recommendation, a full listing of the projects, their scores/ranking, and a brief summary of all projects can be found [here](#) and the following is the [TPRC Project Review Summary](#).

The NCRP Executive Committee unanimously approved the TPRC recommendation and suite of 13 Priority Projects listed in [Attachment A](#). The [NCRP Urban and Multibenefit Drought Relief Regional Proposal](#), was submitted to DWR on January 14, 2022.

Projects with budgets in the range of \$2 million and above were recommended for direct submittal to DWR for Urban and Multibenefit Drought Relief Grant funding, and NCRP provided technical assistance to improve the project proposals based on TPRC project review comments and proposal improvement suggestions.

DWR is expected to announce the awards for the above round in mid-March.

NCRP DROUGHT RELIEF FOR TRIBAL AND UNDERREPRESENTED COMMUNITIES

The DWR Urban and Multibenefit Drought Relief Grant Program established a \$5 million set-aside for each IRWM Funding Area in California, such as the North Coast funding area, to encourage regional proposals to support Tribal, disadvantaged and underrepresented community projects. The Regional Tribal and Underrepresented Communities Set-Aside proposal is due April 1, 2022 and is focusing on projects that are currently receiving technical assistance. The projects were evaluated by the TPRC based on the [NCRP Urban and Multibenefit Drought Relief Project Review and Selection Process Guidelines, 2022](#), which were approved by the Leadership Council during the January NCRP Quarterly meeting. The TPRC thoroughly discussed the projects during the February 22 [TPRC Project Review Meeting](#). Following is the TPRC recommendation for Executive Committee consideration on February 25.

TPRC RECOMMENDATION

The TPRC recommends maintaining the NCRP commitment to high quality regional proposals for public funding.

Primary Recommendation

To approve the draft suite of projects listed in Table 1 (below) totaling \$2,527,746, which is a portion of the \$5 million Drought Relief Set Aside to the North Coast Region. [See Attachment B](#) for brief project descriptions.

Secondary Recommendation

Consider allocating the remaining \$2,472,254 in Drought Relief Set Aside funding in two ways, listed in order of priority from proposals submitted to DWR in January that are not awarded funding:

- To NCRP Drought Relief Submission 1 Priority Projects (Appendix A) that are not awarded funding by DWR and are eligible Tribal or Disadvantaged Communities.
- To the 2021 NCRP Urban and Multibenefit Drought Relief Projects with budgets of \$2 M (or above) and that were ranked above the TPRC funding score of 45, that submitted proposals on their own, but were not awarded funding by DWR. These 2 projects are yellow highlighted in [Attachment C](#).

Recommendation: Executive Committee March Meeting Date Change

In order to consider allocating the remaining \$2,472,254 to unfunded projects in the above two categories, the TPRC plans to review such projects and meet again in mid-March to develop the final suite of recommended projects for consideration by the Executive Committee during its March meeting. To allow for the maximum amount of time for the release of the DWR awards and an additional TPRC review meeting, the TPRC also

recommends that the Executive Committee consider changing the March Executive Committee meeting date from March 18 to March 25, for Executive Committee review and approval of the final suite of Priority Projects for the NCRP Regional Tribal and Underrepresented Communities Set-Aside proposal.

Table 1. TPRC Priority Recommended Projects

ID	Final Score	Organization, Project Name	Location / Area Served	Project Cost	Funding Request	TPRC Recommend Budget
7	47.33	Scott River Watershed Council, Etna Creek Real Time StreamFlow Monitoring Project	Siskiyou	\$269,416	\$134,708	\$134,708
1	47.14	Bear River Band of the Rohnerville Rancheria, BRBRR Well Replacement Project	Tribal - Central Region	\$168,000	\$168,000	\$168,000
2	45.46	Bear River Band of the Rohnerville Rancheria, BRBRR Reclaimed Water Fire and Drought Project	Tribal - Central Region	\$1,278,558	\$1,278,558	\$1,278,558
5	43.65	Round Valley County Water District, Groundwater Vulnerability Monitoring and Assessment Project	Mendocino	\$1,026,800	\$1,026,800	\$500,000
3	42.84	Fieldbrook Glendale Community Services District, FGCSO Water Tank Retrofit Project	Humboldt	\$1,901,370	\$642,400	\$303,400
4	41.04	Orick Community Services District, Orick CSD Water Distribution Expansion	Humboldt	\$2,592,633	\$2,531,913	\$0
6	40.80	Scotia Community Services District, River Pumps Backup Generator Project	Humboldt	\$747,950	\$447,950	\$0
		Humboldt County Admin - 6%				\$143,080
		TOTALS		\$7,984,727	\$6,230,329	\$2,527,746

Location / Area Served	Budget Request	TPRC Recommend Budget
Del Norte		
Humboldt	\$3,622,263	\$303,400
Mendocino	\$1,026,800	\$500,000
Siskiyou	\$134,708	\$134,708
Sonoma	\$0	\$0
Tribal - Central Region	\$1,446,558	\$1,446,558
Trinity	\$0	\$0
Subtotal		\$2,384,666
Humboldt County Admin - 6%		\$143,080
TOTALS	\$6,230,329	\$2,527,746

ITEM IV. YUROK TRIBE – REQUEST FOR LETTERS OF SUPPORT

The NCRP was awarded approximately \$7 million in funding from USGS for lidar collection in Northern California – including those areas in the NCRP region that do not have current lidar coverage, as well as areas outside the North Coast Resource Partnership Region that lack lidar coverage. Matching funds in the amount of \$3.6 million were provided by the California Natural Resources Agency, Humboldt Bay Municipal Water District, Sonoma Water, Sonoma Ag + Open Space, and UC San Diego. A support letter for the application was provided by the Yurok Tribe. USGS reached out to all Tribes in the area being considered for lidar collection under this grant agreement, including Tribes in the North Coast Region.

The Yurok Tribe has requested a consultation with USGS to discuss the Yurok Tribe’s role in the collection, processing and management of data related to the lidar project in Northern California, including the areas in the North Coast Region. DJ Bandrowski of the Yurok Tribe has requested that the NCRP send letters of support to USGS and California Natural Resources Agency.

For background, see Attachment D: USGS and CNRA support letter drafts – request to NCRP Executive Committee; original Yurok Tribe support letter; NCRP grant application to USGS

STAFF DIRECTION – OPTIONS FOR EXECUTIVE COMMITTEE CONSIDERATION

Direct NCRP Director of Strategic Planning and Communications to:

- a) send the letter as requested
- b) do not send the letter
- c) develop a revised draft of the support letter reflecting the guidance of the NCRP Executive Committee and send to the Executive Committee for review prior to sending to USGS
- d) other direction

ITEM V. LEGAL CONSULTATION

The NCRP Leadership Council has requested NCRP staff to consult with counsel on any potential legal issues or vulnerabilities that may affect the NCRP, NCRP Leadership Council or affiliated agencies or governments. NCRP Director of Administration and Contracting Cybelle Immitt and NCRP Director of Legislation and Policy Susan Haydon have started conversations with their respective county counsels to plan a set of meetings on this topic. NCRP staff team requests guidance from the Executive Committee on any issues or concerns to be discussed, additional legal counsel needed, as well as guidance on future meetings of the Executive Committee and Leadership Council on this topic.

ITEM VI. APRIL 15, 2022 NCRP QUARTERLY MEETING

The NCRP Quarterly Meeting will be held via zoom on April 15, 2022. There are many items for Leadership Council consideration, and NCRP staff requests guidance on the priority of these items and the length of the meeting. The meeting is currently scheduled 10-3, and the last two NCRP Quarterly Meetings via zoom have been 2-2.5 hours.

- DWR funding

- Biomass presentation & strategy
- Boundary discussion
- USGS Lidar grant/Yurok letter request/NCRP strategic data plan
- RFFC plan: preliminary approval for sharing May 5
- May 5 meeting in Sonoma County
- Handbook/MOMU
- Funding Update and Strategy

ITEM VII. MAY 5, 2022 MEETING

The NCRP and Northern Region Partners are hosting the Governor's Wildfire and Forest Resilience Task Force on May 5 in Sonoma County. In addition to the Task Force meeting, the day will include interactive sessions on community and watershed resilience strategies, a focus on thematic areas of interest to the North Coast and Northern Region, social time for interaction, and an evening event with local electeds and other partners. A save the date will go out next week and registration will begin in mid-March. NCRP staff will provide an overview of the event and ask for input and guidance from the Executive Committee.

ITEM VIII. RFFC UPDATE

Time allowing, NCRP staff will provide a brief update on the RFFC grant, including the following:

- Ad Hoc Committee review, revisions, approval
- Tribal review
- Next review packet
- Story maps
- Demo projects
- Project tracker
- April 15 meeting

ATTACHMENTS

ATTACHMENT A

NCRP URBAN & MULTIBENEFIT DROUGHT RELIEF GRANT PRIORITY PROJECTS - SUBMITTAL 1

ID	Final Score	Organization, Project Name	Location / Area Served	Requested Budget	TPRC Recommend Budget
12	53.69	Resighini Rancheria, Conservation Measures to Address Drought	Tribe, Northern Region	\$342,000	\$342,000
23	52.71	The Watershed Research and Training Center, Browns and Tule Creeks Drought Resiliency Storage and Forbearance Project	Trinity	\$283,264	\$283,264
24	52.36	Weaverville Community Services District, Drought Resiliency & Water Reliability Project	Trinity	\$597,600	\$500,000
10	52.13	Montague Water Conservation District, Main Canal Lining for Instream Benefit	Siskiyou	\$970,000	\$970,000
14	50.71	Salmonid Restoration Federation, Redwood Creek, South Fork Eel River Storage and Forbearance Program	Humboldt	\$500,000	\$500,000
19	50.71	Scott River Watershed Council, Scott River Tailings Restoration, Long Pond Implementation, Phase 1	Siskiyou	\$698,236	\$698,236
8	49.26	Mattole Restoration Council, Southern Humboldt Emergency Fire Suppression Water Supply	Humboldt	\$345,793	\$345,793
7	49.20	Gold Ridge Resource Conservation District, Sonoma County Household Drought Resiliency Project	Sonoma	\$185,548	\$185,548
9	48.97	Mendocino County Resource Conservation District, Rainwater Harvest and Greywater Workshops and Demonstration Project	Mendocino	\$48,485	\$48,485
1	47.59	Briceland Community Services District, Water Supply Enhancement	Humboldt	\$548,000	\$548,000
13	47.47	Resort Improvement District No.1, Shelter Cove Well Site Improvements	Humboldt	\$95,000	\$95,000
2	46.48	Brooktrails Township Community Services District, Brooktrails Township Clarifier Project	Mendocino	\$110,000	\$110,000
22	45.35	Sonoma County Department of Transportation and Public Works, Jenner Smart Meters	Sonoma	\$74,000	\$74,000
		Subtotal			\$4,700,326
		Humboldt 6% Administration			\$282,020
		Total			\$4,982,346

ATTACHMENT B

NCRP URBAN AND MULTIBENEFIT DROUGHT RELIEF FOR TRIBAL AND UNDERREPRESENTED COMMUNITY PROJECTS

[Bear River Band of the Rohnerville Rancheria, BRBRR Well Replacement Project](#)

Location: Tribal - Central Region

Benefit: Tribe = yes DAC = yes Severely DAC = no

Total Project Budget: \$168,000 NCRP Budget Request: \$168,000

Project Abstract: The proposed project is to improve Tribal water resiliency, through replacement of existing infrastructure and adding a second water source for Tribal homes. The project includes replacement of an existing well with a new 800 foot well and pump as well as connecting additional Tribal homes to the more resilient domestic water supply through a series of pipes and service laterals.

[Bear River Band of the Rohnerville Rancheria, BRBRR Reclaimed Water Fire and Drought Project](#)

Location: Tribal - Central Region

Benefit: Tribe = yes DAC = yes Severely DAC = no

Total Project Budget: \$ 1,278,558 NCRP Budget Request: \$ 1,278,558

Project Abstract: Water will be stored in a 40,000 gallon tank and pressure pumps will allow irrigation and fire suppression with reclaimed water hydrants situated throughout the developed area of the Rancheria. The remote, rural half of the Rancheria and the nearby homes on Singley Road can be irrigated with the four-wheel drive tanker truck which will be purchased and can also be used for fire suppression activities. Irrigation of the greenbelt will restore the natural environment and allow wildlife to find necessary resources in traditional habitat rather than encroaching on human habitation and risking predation and eradication.

[Fieldbrook Glendale Community Services District, FGCSO Water Tank Retrofit Project](#)

Location: Humboldt

Benefit: TRIBE = no DAC = yes SEVERELY DAC = no

Total Project Budget: \$1,901,370 NCRP Budget Request: \$642,400

Project Abstract: The proposed retrofit is to install a new 400,000 gallon bolted steel water tank to replace an existing leaking redwood tank, that does not meet current seismic standards. The current tank was lined in the 1990's. While this addressed short term issues the redwood staves have degraded, and replacement is necessary to reduce water losses and improve drought resilience and seismic stability.

[Orick Community Services District, Orick CSD Water Distribution Expansion](#)

Location: Humboldt

Benefit: TRIBE = no DAC = yes SEVERELY DAC = yes

Total Project Budget: \$ 2,531,913 NCRP Budget Request: \$ 2,592,633

Project Abstract: Expand Orick's CSD water distribution system to outlying residences down Hufford Rd and north on Highway 101 to Bald Hills Road. Complete the design for a second water storage tank as part of the CSD distribution system. Expanding the distribution system and upgrading storage will eliminate the need for the outlying residences to rely on private surface water diversions, subsequently keeping the flows currently diverted instream.

Round Valley County Water District, Groundwater Vulnerability Monitoring and Assessment Project

Location: Tribal land
Benefit: TRIBE = partially DAC = yes SEVERELY DAC = yes
Total Project Budget: \$ 1,026,800 NCRP Budget Request: \$ 1,026,800

Project Abstract: This project aims to assess the water vulnerability of Round Valley. We are located in a remote location that relies entirely on groundwater. We have a unique closed system aquifer that has been historically fed by multiple tributaries. Unprecedented agricultural growth coupled with extreme drought has put stress on local wells. We need to gather information about our aquifer and the wells in our community so that we can plan for sustainable water use and future water development.

Scotia Community Services District, River Pumps Backup Generator Project

Location: Humboldt
Benefit: TRIBE = no DAC = yes SEVERELY DAC = yes
Total Project Budget: \$ 747,950 NCRP Budget Request: \$ 447,950

Project Abstract: The Scotia Community Services District (SCSD) serves a severely disadvantaged community. The pumps that supply the water to the town do not have any backup power source, leaving the community prone to supply restrictions due to power outages and other emergencies. This project includes installation of a new diesel-powered backup power generator and diesel storage tank for the District's river water intake pumps that supply drinking water, fire water, and industrial water to customers.

Scott River Watershed Council, Etna Creek Real Time StreamFlow Monitoring Project

Location: Siskiyou
Benefit: TRIBE = partial; DAC = yes; SEVERELY DAC = yes
Total Project Budget: \$269,416 NCRP Budget Request: \$134,708

Project Abstract: Etna Creek stream flow is a critical stream system to the Scott River watershed and the sole water supply for the City of Etna. For Etna to evaluate its water supply, there is a critical need to establish a flow station on Etna Creek. Real time streamflow data would provide Etna the ability to implement water conservation efforts and comply with recent curtailment orders issued by the State. As snowpacks and precipitation decline, it is becoming increasingly important to have data that allows for effective water use management for both human and wildlife benefits.

ATTACHMENT C

NCRP URBAN AND MULTIBENEFIT DROUGHT RELIEF GRANT PROJECTS, 2021 PROJECT REVIEW

ID	Final Score	Organization, Project Name	Location / Area Served	Budget	TPRC Recommend Budget
12	53.69	Resighini Rancheria, Conservation Measures to Address Drought	Tribe, Northern Region	\$342,000	\$342,000
23	52.71	The Watershed Research and Training Center, Browns and Tule Creeks Drought Resiliency Storage and Forbearance Project	Trinity	\$283,264	\$283,264
24	52.36	Weaverville Community Services District, Drought Resiliency & Water Reliability Project	Trinity	\$597,600	\$500,000
10	52.13	Montague Water Conservation District, Main Canal Lining for Instream Benefit	Siskiyou	\$970,000	\$970,000
14	50.71	Salmonid Restoration Federation, Redwood Creek, South Fork Eel River Storage and Forbearance Program	Humboldt	\$500,000	\$500,000
19	50.71	Scott River Watershed Council, Scott River Tailings Restoration, Long Pond Implementation, Phase 1	Siskiyou	\$698,236	\$698,236
8	49.26	Mattole Restoration Council, Southern Humboldt Emergency Fire Suppression Water Supply	Humboldt	\$345,793	\$345,793
7	49.20	Gold Ridge Resource Conservation District, Sonoma County Household Drought Resiliency Project	Sonoma	\$185,548	\$185,548
9	48.97	Mendocino County Resource Conservation District, Rainwater Harvest and Greywater Workshops and Demonstration Project	Mendocino	\$48,485	\$48,485
25	47.66	Weott Community Services District, System Improvements	Humboldt	\$1,950,000	\$0
1	47.59	Briceland Community Services District, Water Supply Enhancement	Humboldt	\$548,000	\$548,000
13	47.47	Resort Improvement District No.1, Shelter Cove Well Site Improvements	Humboldt	\$95,000	\$95,000
2	46.48	Brooktrails Township Community Services District, Brooktrails Township Clarifier Project	Mendocino	\$110,000	\$110,000
15	45.75	Sanctuary Forest Inc., Mattole Headwaters Drought Relief Project	Humboldt	\$4,385,000	\$0
5	45.52	Fieldbrook Glendale Community Services District, Water Tank Retrofit Project	Humboldt	\$642,400	\$0
22	45.35	Sonoma County Department of Transportation and Public Works, Jenner Smart Meters	Sonoma	\$74,000	\$74,000
20	44.29	Sonoma County Regional Parks, Sonoma County Regional Parks Rainwater Catchment and Water Conservation Project	Sonoma	\$536,000	\$0

ID	Final Score	Organization, Project Name	Location / Area Served	Budget	TPRC Recommend Budget
18	44.00	Scott River Watershed Council, Etna Creek Real Time StreamFlow Monitoring Project	Siskiyou	\$134,708	\$0
16	42.64	Scotia Community Services District, River Pumps Backup Generator Project	Humboldt	\$722,875	\$0
17	42.29	Scotia Community Services District, Water Storage Tank Project	Humboldt	\$4,122,000	\$0
6	42.28	Gasquet Community Services District, North Fork Water Line Extension	Del Norte	\$2,010,000	\$0
11	42.13	Orick Community Services District, Distribution Expansion & Water Storage	Humboldt	\$1,507,500	\$0
3	41.87	Point Cabrillo Highlands, Water Security Enhancement	Mendocino	\$91,000	\$0
4	41.70	City of Montague, Water Tank	Siskiyou	\$1,755,000	\$0
21	37.03	Sonoma County Department of Transportation and Public Works, Freestone Backwash System and Generator	Sonoma	\$255,000	\$0
		TOTALS		\$22,909,409	\$4,700,326

SAMPLE LETTER

North Coast Resource Partnership
NCRP Leadership Council
P.O. Box 262
Healdsburg, CA 95448

Date of Letter

Michael Tischler, PhD
United States Geological Survey
National Geospatial Program
12201 Sunrise Valley Dr., MS 511
Reston, VA 20192

Dear Dr. Tischler,

This letter is to provide our support to the Yurok Tribe for meaningful inclusion in the upcoming USGS 3D Elevation Program (3DEP) data collection effort in Northern California. This project was recently approved and funded through the 3DEP Geospatial Program - Broad Area Announcement Proposal submitted by the North Coast Resource Partnership (NCRP) for the Northern California Region including Yurok Tribal Lands.

NCRP has been working with the Yurok Tribe in several capacities over the past decade and can validate their deep-rooted integrity, strong values, technical capacity, high caliber staff, and ability to execute projects and programs with a commitment to quality work. We consider the Yurok Tribe a strong leader in the region promoting collaborative partnerships, advocating for building stronger communities, and fighting for social and environmental equality. The Yurok Tribe is dedicated to meeting the needs of their tribal community and continues to look for opportunities to build economic resiliency to support tribal workforce and a broad range of natural resource initiatives. We also commend the Yurok Tribe for their ingenuity and commitment for promoting innovation throughout the region and across California. In addition, they have recently started their own LiDAR and Mapping Enterprise program to support projects within the Klamath Basin and throughout Northern California.

We feel that the participation of the Yurok Tribe in performing a portion of the data collection and other associated tasks for the 3DEP project would be highly beneficial in many ways. Since the project encompasses the Yurok Tribe's Reservation boundary and their entire ancestral territory, we feel that their inclusion is great opportunity for meaningful tribal participation on their own lands. Including the Yurok Tribe's workforce on this project will allow for important tribal capacity building and being intimately involved in the collection of the data that will be used to help them make future decisions to help manage their natural resources. Not only is including the Yurok Tribe an important component of the success of this project, but we have full confidence in their ability and capacity to execute the work according to the scope of work determined by USGS and partners.

If you have any questions regarding this letter or our support of the Yurok Tribe's inclusion on this project, please feel free to contact **XXXX** at the following **EMAIL** and/or #

Sincerely,

NAME

SAMPLE LETTER

North Coast Resource Partnership
NCRP Leadership Council
P.O. Box 262
Healdsburg, CA 95448

Date of Letter

Jessica Morse
Deputy Secretary for Forest and Wildland Resilience
California Natural Resources Agency
715 P Street, 20th Floor
Sacramento, CA 95814

Dear Ms. Morse,

This letter is to provide our support to the Yurok Tribe for meaningful inclusion in the upcoming USGS 3D Elevation Program (3DEP) data collection effort in Northern California. This project was recently approved and funded through the 3DEP Geospatial Program - Broad Area Announcement Proposal submitted by the North Coast Resource Partnership (NCRP) for the Northern California Region including Yurok Tribal Lands.

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We feel that the participation of the Yurok Tribe in performing a portion of the data collection and other associated tasks for the 3DEP project would be highly beneficial in many ways. Since the project encompasses the Yurok Tribe's Reservation boundary and their entire ancestral territory, we feel that their inclusion is great opportunity for meaningful tribal participation on their own lands. Including the Yurok Tribe's workforce on this project will allow for important tribal capacity building and being intimately involved in the collection of the data that will be used to help them make future decisions to help manage their natural resources. Not only is including the Yurok Tribe an important component of the success of this project, but we have full confidence in their ability and capacity to execute the work according to the scope of work determined by USGS, California Department of Conservation, and other partners.

If you have any questions regarding this letter or our support of the Yurok Tribe's inclusion on this project, please feel free to contact **XXXX** at the following **EMAIL and/or #**

Sincerely,

NAME



YUROK TRIBE

190 Klamath Boulevard • Post Office Box 1027 • Klamath, CA 95548



October 3, 2021

Ms. Carol Ostergren
USGS National Map Liaison - Northern CA and Nevada
Email: costergren@usgs.gov
6000 J Street
Sacramento, CA 95819

RE: Support Letter for the North Coast Resource Partnership – USGS 3DEP Grant Application

Dear Ms. Ostergren,

Northern California has experienced unprecedented wildfire in the last five years, resulting in tragic loss of life, damage to ecosystems, watersheds, forests, water supplies and local economies. As you know, lidar data are critical to prioritizing investments in climate and extreme event resiliency. A coalition of Tribes, agencies, county governments, special districts, NGOs, and private business are partnering to procure lidar coverage for areas of Northern California that do not have current coverage.

The North Coast Resource Partnership - led by a coalition of Tribes and counties - has been engaged for over seventeen years in large scale, science-based planning to support effective on the ground project implementation. The Partnership has coordinated the implementation of hundreds of high priority projects, and has effectively managed over \$87 million in agency funding. On July 16, 2021 the North Coast Resource Partnership Leadership Council unanimously approved pursuing funding for lidar. The NCRP in collaboration with their partnership will be submitting a grant proposal to the USGS 3DEP Program under their Broad Area Announcement.

The Yurok Tribe supports this grant submission to the USGS and the opportunity to work together towards a shared set of regional and statewide data that can be used to drive impact on the ground in our watersheds and communities, and to ensure the most effective use of taxpayer dollars during these unprecedented and challenging times. We are requesting that you engage with the Partnership in cross-boundary collaboration to ensure that the North Coast Region has the foundational data needed to prioritize the most effective actions and investments in community health and safety, fuel load reduction, biodiversity, water quality and supply and climate action. By working together across local, state, federal and tribal entities, and collectively funding this effort, we can effectively leverage all data resources to support on the ground and regional resource management decisions to enhance existing and future watershed & community health investments.

Wok-hlew'

Joseph L. James
Yurok Tribal Chairman

US Geological Survey
Broad Agency Announcement for 3D Elevation Program (3DEP)
DOIGFBO210044/G22AS00013
Attachment A

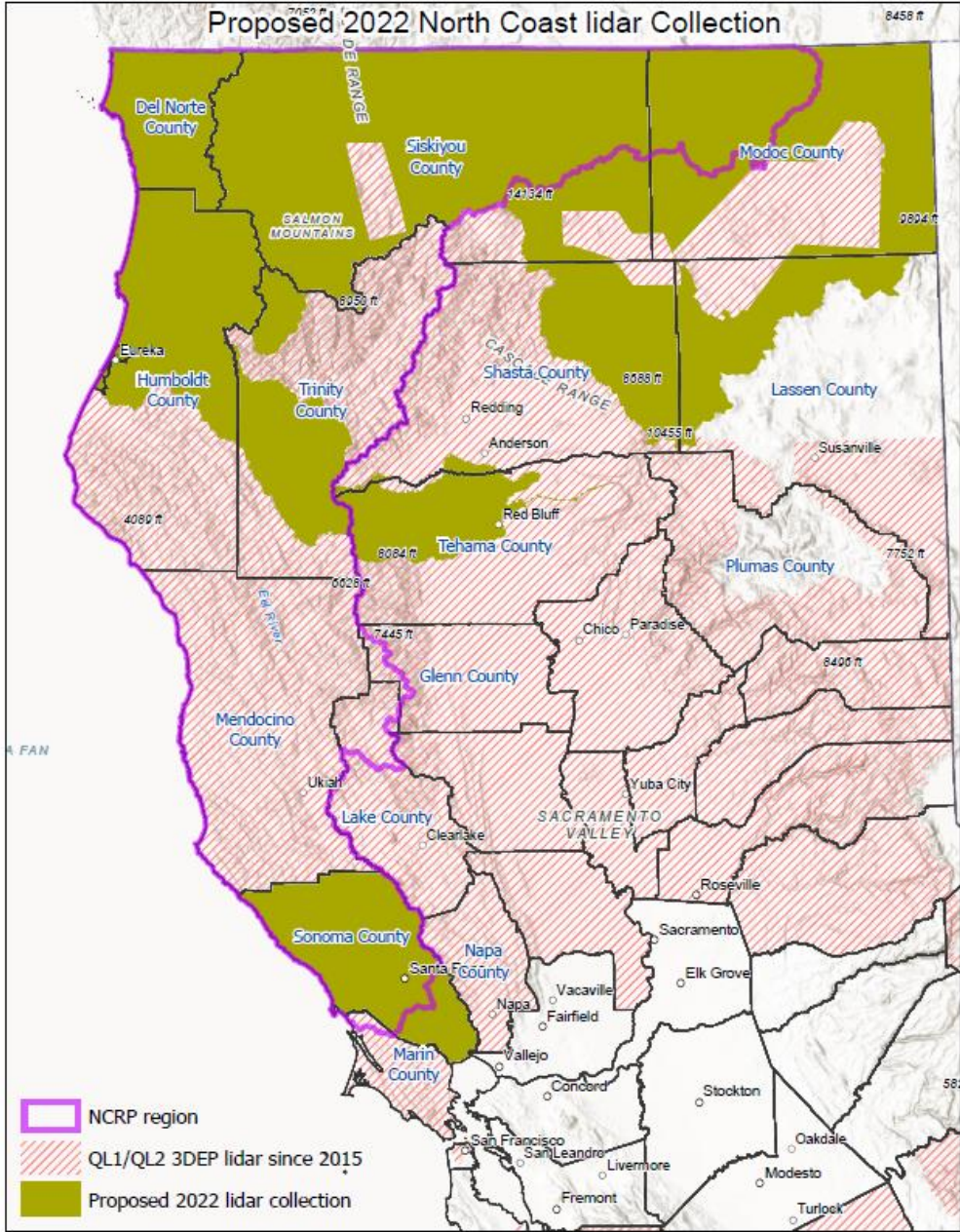
Proposal Submission for the Acquisition of Lidar Data

Instructions: Enter text or value. Press TAB to register the entry in other parts of the submission tool.

Humboldt County as the fiscal agent of the North Coast		
Organization:	Resource Partnership	Date:
Organization DUNS Number:	96-900-1564	Small Business: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
POC		
First Name:	Cybelles	Last Name: Immitt
Title: Director of Administration and Contracts, Humboldt County Dept. of Public Works		
Street Address: 1106 Second Street		
City:	Eureka	State: CA Zip Code: 95501
Email Address:	CImmitt@co.humboldt.ca.us	Phone: (707)445-7409
Additional Details or Clarifications: This proposal has been initiated and will be managed by the North Coast Resource Partnership (NCRP). Humboldt County is the fiscal sponsor of NCRP.		

Project Title: <small>300 characters maximum</small>	Filling the gaps in lidar data for Northern California
Project Summary: <small>3000 characters maximum</small>	<p>Please provide a summary of your project. Summary should include purpose and justification of proposed acquisition and relationship of project to existing, in-work, or planned acquisitions.</p> <p>The Northern California region is a primary source region for much of the State's water, is a biodiversity hotspot, and sequesters significant above-ground carbon in its extensive forests. However, this economically challenged region, home to 30 federally recognized California tribes, has little data which is needed to manage these valuable resources. While some lidar data has been collected over portions of the region, it is disjointed, and there are serious gaps (Figure 1). This proposal seeks funding to fill these gaps to enable the creation of region-wide lidar derivative products to support local and regional wildfire fuels and hazard mapping, evacuation route planning, disaster response, carbon monitoring, infrastructure planning, watershed management, engineering design, planning sea level rise adaptations, wildlife habitat management, forest management, flood planning and mitigation, environmental and conservation planning, and landscape scale conservation planning to support the CA 30 x 30 initiative and other tribal, local, state and federal ecosystem protection priorities.</p> <p>Filling the lidar data gaps in this region is also a priority for NRCS & the Forest</p>

	<p>Service, as evidenced by their attached letters of support (see also https://www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4).</p> <p>Most of the areas targeted for lidar acquisition have never had lidar acquired. The exception is the County of Sonoma which acquired lidar over 8 years ago in 2013. However, since that acquisition, more than 23% of Sonoma has burned in wildfires, leaving county officials blind when attempting current wildfire prevention and evacuation route planning, and disaster response for this wildfire prone county.</p> <p>This proposal is being submitted by Humboldt County which is the fiscal sponsor of the North Coast Resource Partnership (NCRP) - a coalition of 7 North Coast counties and 30 federally recognized tribes that have worked collaboratively in the North Coast Region for over 17 years, managing over \$87 million in planning and implementation funds in collaboration with state, federal, local and philanthropic partners</p> <p>The NCRP Leadership Council has unanimously approved the funding application for 3DEP lidar. We believe that completing the North Coast's lidar database will enrich the lives of North Coast communities, allow for effective and efficient prioritization of land management activities, and support all of the above listed applications. Our immediate and specific needs are to use lidar to support the development of wildland fuels and wildland fire hazard indices to support wildland fuels planning, and the development of disaster response plans for the region.</p>
<p>Project Synopsis: 1000 characters maximum</p>	<p>The USGS releases a list of projects receiving funds from the 3DEP. Please provide a short synopsis of your project suitable for publication should your project be selected for award.</p> <p>The North Coast's valuable resources are at risk due to serious gaps in knowledge about the region's landscapes and communities. Existing vegetation maps are piecemeal, out of date, or at a statewide scale which cannot support local decision making. Topographic data are coarse or non-existent. Lidar data provides detailed information about the topography of an area, its infrastructure and the structure of forests and wildland fuels, thereby supporting a myriad of applications. The high resolution lidar provided by this project are also foundational to prioritizing the unprecedented amounts of state and federal funding to ensure that communities, built infrastructure, natural and working lands are more resilient to climate change, floods, fires and droughts.</p>
<p><i>Acknowledgement required; please read and check box</i></p>	<p><input checked="" type="checkbox"/> The applicant agrees to the release of this project summary should this proposal be selected for award.</p>

<p>Lidar Case Studies: Acknowledgement required; please read and check Yes or No</p>	<p>The USGS is interested in how award recipients utilize lidar data to support their mission or business objectives. If selected for award, do you give permission for the USGS to contact you following project completion to ask questions about the utilization of the lidar data. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Project Diagram:</p>	<p>Insert a jpeg or other picture by clicking on the center of the image box below or by using copy (CTRL-C)/paste (CTRL-V).</p>  <p>Proposed 2022 North Coast lidar Collection</p> <p>Legend:</p> <ul style="list-style-type: none"> NCRP region QL1/QL2 3DEP lidar since 2015 Proposed 2022 lidar collection

GEOGRAPHIC EXTENT OF PROJECT

Project GIS File:	<p>A vector GIS file defining the location and coverage area of your project is required for proposal submission. Your project area must be represented by a polygon in shapefile, geopackage, or KML/KMZ format. The file name should use the following naming convention: ST_Geographic_Description where:</p> <p>ST= State Abbreviation (ex. AL. or UT); AND Geographic Description (ex. Blue_Arrow_Middle_Counties or Eastern_Utah_6_Counties)</p> <p><i>Note: Minimum shapefile components required are: .shp, .sbx, .dbf, .prj.</i></p>	
3DEP Project Boundary Creation and Delivery Scheme:	<p>The project shapefile, geopackage, or KML/KMZ file must be expanded to add a 100m buffer to comply with the Defined Project Boundary (DPA) of the 3DEP Lidar Base Specification (LBS). The final data will be delivered to the USGS and the partner in a spatial reference system and tiling scheme of the applicant's choice. The spatial reference system must be registered with EPSG. Refer to Attachment B for instructions.</p>	
<i>Acknowledgement required; please read and check box</i>	<p><input checked="" type="checkbox"/> A project vector GIS file with proper file name and format has been submitted as a part of the proposal submission package. The project has been expanded to the DPA and is in the spatial reference system of choice</p>	
State(s):	California	
Geographic Extent:	<p><input type="checkbox"/> County(ies) Please specify: _____</p> <p><input type="checkbox"/> Watershed Please specify: _____</p> <p><input checked="" type="checkbox"/> Other Please specify: <u>The project area is comprised of the areas shaded green in the project diagram. Acquisition of lidar in these areas will result in seamless lidar data for the region which will allow for the creation of region-wide lidar products.</u></p>	
Square Miles:	<p><u>17404</u> <i>Note: Please hit TAB after entering square miles to auto-populate "Square Miles" field in project finance tables.</i></p>	
Additional Details or Clarifications:		

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PROPOSED TIMELINE

Acquisition: <i>Select Only One Option</i>	<input checked="" type="checkbox"/> Spring 2022 <input type="checkbox"/> Fall 2022 /Winter 2023 <input type="checkbox"/> Other: _____
Additional Details or Clarifications:	The acquisition will need to be timed to avoid snow and to capture leaf-on conditions. We are interested in an April-June acquisition period.

DATA SPECIFICATION

Data must adhere to the most current USGS Lidar Base Specification. In addition to the requirements outlined in the USGS Base Lidar Specification (<https://www.usgs.gov/3dep/lidarspec>), lidar data and derived products must meet the current definition of Quality Level 2 (QL2). Upgrades to QL1 are allowed but the cost of the upgrades is the responsibility of the applicant. If a new edition of the specification is released during the open period of the BAA, opportunities to migrate to the revised specification will be discussed and agreed upon at the time of award.

Project will be collected to: <i>Select Only One Option</i>	<input type="checkbox"/> QL2 <input checked="" type="checkbox"/> QL1 <input type="checkbox"/> QL1 / QL2 combination (Provide details and/or delineate QL1 and QL2 Areas on project graphic and in project GIS file) <input type="checkbox"/> Other: _____
Additional Details or Clarifications:	NCRP members & our partners believe QL1 lidar is required for the project area. Given the area's steep canyons & tall, dense forests, only QL1 will provide the detail needed to manage the region's ecosystems. If funding is restricted, we will work with USGS & our funding partners to decide what trade-offs should be made in area & additional collection conditions. We are encouraged by letter of support from the Yurok Tribe, Forest Service, NRCS, & CNRA (see attached letters).

DATA DELIVERABLES

Standard 3DEP deliverables are defined in the current USGS Lidar Base Specification (<https://www.usgs.gov/3dep/lidarspec>)

<p>Final Project Deliverables:</p> <p><i>Acknowledgement required; please read and check box</i></p>	<p>Standard period of performance for lidar acquisition projects is 18 to 24 months. Project deliverables are <u>required</u> at the end of the performance period.</p> <p>The applicant agrees to provide all project deliverables to the</p> <p><input checked="" type="checkbox"/> USGS without use restrictions upon final acceptance of the project deliverables from lidar acquisition contractor.</p>
<p>Additional Collection Conditions and/or Products and Services:</p>	<p>Additional capture conditions and/or products and services are available. The cost of variations from the LBS is the responsibility of the applicant</p> <p><input type="checkbox"/> The applicant does not require any additional capture conditions or additional products or services</p>

<p>Select if Additional Products are Required</p>	<p><input checked="" type="checkbox"/> The applicant anticipates the need for additional capture conditions and/or additional products and services generated from the lidar data. It is recommended the applicant research technical requirements and costs of additional products and services in advance of submitting this application. The cost of these additional requirements and products and services are the sole responsibility of the applicant and will be incorporated into partner funding agreement(s). For those applicants proposing to use the Geospatial Products and Services Contracts (GPSC), the following additional products may be available (check all that apply below):</p> <p>Collection Conditions</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Coastal Tide Coordination <input checked="" type="checkbox"/> Leaf-on <input checked="" type="checkbox"/> USFS Guaranteed 50% sidelap <input type="checkbox"/> Multiple Spatial Reference Systems <p>Additional Products and Services</p> <ul style="list-style-type: none"> <input type="checkbox"/> Additions to the Minimum Lidar Classification Scheme (additional point cloud classifications) <input type="checkbox"/> Additions to the Hydro Flattening Requirements for Inland Lakes and Ponds <input type="checkbox"/> Additions to the Hydro Flattening Requirements for Inland Rivers and Streams <input type="checkbox"/> First Return DSM (non-hydroflattened) <input type="checkbox"/> Machine generated contours <input type="checkbox"/> Machine generated building footprints <input type="checkbox"/> Hillshades <input type="checkbox"/> Other. Please specify: _____ <p>Requests for additional products and services should be documented in Attachment C to assure consideration of these additional costs in the Independent Government Cost Estimate (IGCE) and recognition by all partners of the full project costs</p>
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APPROACH TO DATA ACQUISITION

<p>Award Mechanism: Select Only One Option</p>	<p>USGS Geospatial Products and Services Contract (GPSC)</p> <p><input checked="" type="checkbox"/> Applicant enters into agreement with the USGS GPSC to procure data. The USGS National Geospatial Program's preferred method of data acquisition is through the GPSC, a multiple award acquisition vehicle that is designed to utilize the team of firms on</p>
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	<p>the contract for services needed to accomplish 3DEP data acquisition.</p> <p>Financial Assistance - Cooperative Agreement (Government) or Cost-Share Contract (Non-Government)</p> <p><input type="checkbox"/> Applicant manages data procurement (<i>Technical approach is required on page 8</i>).</p>
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Award Mechanism: USGS Geospatial Products and Services Contract (GPSC)

<p>Suggested Source (Optional if selected award mechanism is GPSC)</p> <p><i>300 characters maximum</i></p>	<p>(Optional) Please identify a suggested GPSC contractor if one has been identified for the project. If a suggested source is identified a rationale must be provided below.</p> <p>Quantum Spatial Inc. d/b/a NV5 Geospatial, GPSC Contract # 140G0221D0012</p>
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<p>Rationale for Suggested Source (Only for GPSC):</p> <p><i>3000 characters maximum</i></p>	<p>Rationale for Suggested Source</p> <ol style="list-style-type: none"> 1. NV5G airborne acquisition base of operations in the PNW is located near Corvallis, OR approximately 200 miles from the center of the project area providing maximum responsiveness to challenging weather and ground conditions while minimizing mobilization time and associated expenses. 2. NV5G operates a fleet of cost-effective single engine turbine aircraft that will be used to efficiently acquire data over highly varying terrain. 3. NV5G's owns and operates 4 of the latest state-of-the-art topographic lidar sensors, Riegl 1560ii & 1560ii-s, that will be used to acquire data. The unique forward/backward scan angle of the VQ-1560 II with its large field of view of 58 degrees enables capturing data from multiple angles more effectively and more accurately at high point densities. Its unique "cross-fire" scan pattern and its wide operational range maximize forest canopy penetration and minimize shadowing effects. 4. NV5G's local offices in northern California and west central Oregon support cost effective mobilization of survey crews to perform the required ground control supplemental and QC check point surveys. 5. NV5G has acquired and processed more 3DEP compliant Lidar data in northern California over similar terrain and land cover than any other of any USGS GPSC contractor. More specifically, over the last few years NV5G has collected over 25,000 square miles of lidar data in response to the Camp, Carr, Hirz, and Delta fires for local, State, and Federal stakeholders; and acquired topo-bathymetric lidar of the entire length (257 miles) of the Klamath River from Lake Ewauna to the Pacific Ocean that is comprised of a drainage basin of more than 15,000 sq. mi. in size, including 13 major sub-basins.
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	6. NV5G has worked with the core team in building partnerships, educating stakeholders and support technical and costing model development.
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Award Mechanism: *Financial Assistance - Cooperative Agreement (Government) or Cost-Share Contract (Non-Government)*

<p>Technical Approach (Only for Cooperative Agreement or Cost- Share Contract): 5000 characters maximum</p>	<p>Please provide a qualifications statement describing your proposed technical approach for acquiring and performing quality assurance of lidar data and derived products. Include information on your approach to selecting a vendor. If a vendor has already been selected, please provide a brief summary of the vendor's experience and past performance as related to the acquisition and processing of lidar data that meets the most current USGS Lidar Base Specification (https://www.usgs.gov/3dep/lidarspec).</p> <p>NA</p>
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PROJECT FINANCES

The cost of lidar acquisition varies based on geographic extent, terrain, and vegetative cover. This cost includes data acquisition, data processing, vendor quality assurance/quality control (QA/QC) and additional products and services as appropriate. For applicants proposing to manage their own contract for data acquisition, the cost of any additional products and services should not be included in the 3DEP funding request. Applicants must include an ESTIMATED cost of their project by utilizing one of the following options:

- a preliminary Independent Government Cost Estimate (IGCE) from the USGS Geospatial Products and Services Contracts (GPSC) Commercial Partnership Team (refer to Attachment C)
- an estimate received from a lidar acquisition vendor
- an estimate from another source together with an explanation of how the estimate was obtained

The estimate should include the costs for the entire project regardless of the QL requested. The USGS will complete an independent review during the evaluation period to determine if the proposed cost estimate reflects valid industry cost for the specific geographic area and reflects a good value to the government. **In addition to the acquisition cost, applicants utilizing the GPSC contracts will be subject to a 6% assessment on the value of their contribution. This assessment covers the cost of contract management. The final cost of the project will include the acquisition cost plus the assessment.** The proposed funding table below calculates the assessment automatically.

Estimated Cost over entire Project Area: <i>Select Only One Option</i>	<input type="checkbox"/> The applicant is using a preliminary Independent Government Cost Estimate (IGCE per Attachment C) received from the USGS Geospatial Products and Services (GPSC) Commercial Partnership Team to estimate 3DEP acquisition, processing and vendor QA/QC costs
	<input checked="" type="checkbox"/> The applicant is using an estimate from a lidar acquisition vendor or an alternate QL2 figure to estimate project acquisition, processing and vendor QA/QC costs. Please provide explanation of how estimated cost was derived: <u>NV5G provided us with an estimate for QL1 lidar data for our project area of \$400-425/square mile.</u>

<i>The applicant should select only one option. If the applicant has been provided with a total ESTIMATED cost, use Option 1; if the applicant has a cost per square mile, use Option 2.</i>			
Option 1: Provide Total Estimated Costs	Square miles	Cost per square mile	Total ESTIMATED Costs
Option 1: Provide Total Estimated Costs	17404	\$ 0.00	<u>\$0.00</u>
OR			
Option 2: Provide Cost Per Square Mile	17404	<u>\$400.00</u>	\$6,961,600.00

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Proposed Funding						
Applicant shall enter the proposed funding partners, the amount each partner proposes to contribute to the project and the total funding available from partners. The applicant is also asked to provide the certainty of each partner's contribution. Each proposed funding partner must complete Attachment D: <i>Validation of Funding Partner</i> . The attachments shall be included as part of the submission package.						
Award Mechanism:	GPSC	Total Estimated Project Cost (from previous page):		\$6,961,600.00		
Funding Partner(s)						
Name(s)	Type (Federal / Non-Federal)	Proposed Total Contribution	If Contract Mechanism = GPSC, 6% Assessment	Amt to Lidar Data Acquisition, Processing, QA/QC	Certainty of Contribution (Guaranteed, Pending)	If funding is 'Pending' (not yet guaranteed); note date (MMM YYYY) when funding decision will be final.
California Natural Resources Agency	Nonfederal	\$3,000,000.00	\$169,811.32	\$2,830,188.68	Guaranteed	
Sonoma Ag + Open Space	Nonfederal	\$50,000.00	\$2,830.19	\$47,169.81	Guaranteed	
Sonoma County Water Agency	Nonfederal	\$50,000.00	\$2,830.19	\$47,169.81	Guaranteed	
Humboldt Bay Municipal Water District	Nonfederal	\$20,000	\$ 0.00	\$ 0.00	Pending	
UC San Diego	Nonfederal	\$500,000.00	\$28,301.89	\$471,698.11	Guaranteed	
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
Funding Partner Totals (from above)				\$3,396,226.41	49%	% Cost Share for 3DEP Base Data
Funds Requested from 3DEP				\$3,565,373.59	51%	% Cost Share for 3DEP Base Data
Total Combined BAA Contributions			Federal	\$3,565,373.59	51%	% Cost Share for 3DEP Base Data
			Nonfederal	\$3,396,226.41	49%	% Cost Share for 3DEP Base Data

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PAST PERFORMANCE

Past Performance (of primary applicant) <i>750 characters maximum</i>	<p>Please provide a summary of the applicant's history of managing large data acquisitions with multiple funding partners</p> <p>NCRP's ample experience is evidenced by the over \$87 million in planning & implementation fund they have managed in collaboration with state, federal, local, and NGOs since 2017. NV5G is a prime contractor for the USGS GPSC III contract, having performed significant work for USGS in California. NV5G works with clients and USGS in a collaborative approach to enhance QL2 data to QL1 data meeting the USGS Lidar Base Specifications. All data that NV5G has delivered to USGS as part of the 3DEP Program has met the Base Specifications. Additionally, the NCRP will seek input from our partners, Tukman Geospatial and Kass Green & Associates who have had ample experience in managing lidar collection projects to USGS 3DEP standards in California.</p>
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ADDITIONAL PROJECT DETAILS OR CLARIFICATIONS

(1500 characters maximum)

Please see the letters of support included in this proposal packet from the California Natural Resources Agency, NRCS, the Forest Service, and the Yurok Tribe.

NCRP and the California Natural Resources Agency and its partners including other state and federal agencies, contractors, and local or regional resource or emergency management organizations must be permitted to access, analyze, and use preliminary copies of the data and derived products.

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