

**Testimony of Mauricio Guardado  
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**Family Farm Alliance**

**Committee on Natural Resources  
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Chairman Grijalva, Ranking Member Westerman and Members of the Committee:

On behalf of the Family Farm Alliance (Alliance) and the United Water Conservation District (United), I thank you for this opportunity to present this testimony today.

My name is Mauricio Guardado. I serve as general manager of United, which covers approximately 214,000 acres in Ventura County, California, and serves a population of approximately 400,000 residents including U.S. Naval Base Ventura County, the beach cities of Port Hueneme and Oxnard, and Channel Islands Beach district. Considered one of the prime agricultural areas of the world, the year-round growing seasons support high value crops such as lemons, oranges, avocados, strawberries, berries, row crops and flowers.

United administers a “basin management” program for all of the hydrologically connected groundwater basins within its boundaries utilizing the surface flow of the Santa Clara River, impoundment of water through its tributaries, wholesale water deliveries and other activities in water supply for the beneficial use by various cities, municipalities and agriculture throughout Ventura County.

United is one of California’s few legislatively established Water Conservation Districts. In performing its District-wide watershed management efforts, United not only stores water at its Santa Felicia Dam and Lake Piru reservoir, it also directly recharges the groundwater aquifers via its Freeman Diversion. United also provides surface water deliveries via vast conveyance systems to minimize groundwater extractions near the coastline in its fight to mitigate seawater intrusion from contaminating the aquifers.

I also serve on the Advisory Committee of the Family Farm Alliance (Alliance), a grassroots organization of family farmers, ranchers, irrigation districts, and allied industries in 16 Western

states. The Alliance is focused on one mission: To ensure the availability of reliable, affordable irrigation water supplies to Western farmers and ranchers. The Alliance is committed to the fundamental proposition that Western irrigated agriculture must be preserved and protected for a host of economic, sociological, environmental, and national security reasons – many of which are often overlooked in the context of other national policy decisions. The Western family farmers and ranchers who we represent are confronted with many critical issues today. At the top of the list is the daunting number of administrative policy and regulatory initiatives that our Western agricultural producers face daily.

I would like to focus my comments on the *Ocean-Based Climate Solutions Act of 2021* (H.R. 3764). This well-intended legislation directs the Administrator of the National Oceanic and Atmospheric Administration (NOAA) to provide for ocean-based climate solutions to reduce carbon emissions and global warming; to make coastal communities more resilient; and to provide for the conservation and restoration of the ocean and coastal habitats, biodiversity, and marine mammal and fish populations, among other purposes. In November 2020, the Family Farm Alliance developed written testimony for this committee on an earlier version of this legislation. Several concerns were raised in that testimony, and we were pleased to see that some of these issues were addressed in H.R. 3764. However, there are several areas of the new legislation that continue to cause concerns for our membership due to potential far-ranging and uncertain impacts to water management and agriculture in the West.

So, why are organizations that serve family farmers and ranchers in southern California and the mostly inland West concerned with legislation that would appear to apply more to the ocean and coastal communities? It is because this wide-ranging bill could have a significant impact on the development of critically needed new inland water infrastructure. We have questions about whether the potential impact on the economy, budget, and existing statutes and regulatory processes have been assessed. Many of the Family Farm Alliance's farmers and ranchers – and water managers, like me - have been impacted by implementation of federal environmental laws intended to protect ecosystems far-removed from their operations. I will provide some hard-learned, real-life observations in this testimony that should clearly demonstrate why many of us share these concerns.

For these reasons, concerns remain that this bill could dramatically increase the role of federal agencies on inland rivers and adjacent lands, as further outlined in this testimony.

### **Alliance Involvement with Climate Change Issues**

In 2007, the Family Farm Alliance Board of Directors established a subcommittee to develop a white paper that addresses the important issue of climate change, its possible impact on Western water supplies and irrigated agriculture, and recommendations on how to plan and provide

stewardship for this change. The report was prepared by a Family Farm Alliance climate change subcommittee, our Advisory Committee, and water resources experts from around the West. That document - titled “Water Supply in a Changing Climate: The Perspective of Family Farmers and Ranchers in the Irrigated West”- was released in September 2007. Since that time, we have been asked to testify before Congress multiple times on how climate change could further strain fresh water supplies in the West. We continue to advocate that we must begin to practically plan for, and act on that immediately, and not wait until we are forced to make decisions during a crisis.

### **Importance of Western Irrigated Agriculture and Key Challenges**

Irrigated agriculture in the West not only provides a \$172 billion annual boost to our economy, it also provides important habitat for western waterfowl and other wildlife, including southwestern pond turtle, least bells vireo and southwestern willow flycatcher. Its open spaces are treasured by citizens throughout the West. Family farmers and ranchers are willing to partner with constructive conservation groups and government agencies, especially if there are opportunities to both help strengthen their businesses and improve the environment.

Still, many Western producers face significant regulatory and policy related challenges, brought on – in part – by federal agency implementation of environmental laws and policies. The challenges are daunting, and they will require innovative solutions. The Family Farm Alliance and the farmers and water management organizations like United Water are dedicated to the pragmatic implementation of actions that seek to find a balance of environmental protection and sustainable water supply. Following the science, good sound engineering and historical data are the elements that guarantee constructive working relations among farmers and ranchers, water managers, environmental groups and regulatory agencies. Collectively, these elements yield successful results based on real world working solutions.

All too often, unfortunately, environmental policy is not driven to achieve meaningful results. That is why our organization seeks to collaborate with those groups that also seek positive results as an objective. The foundation for some true, collaborative solutions will be driven from the constructive “center,” one that steers away from the conflict that can ensue between new regulatory overreach and grassroots activism intended to resist any changes to existing environmental and natural resource laws, regulations, and policies.

The Alliance is on record as consistently supporting collaborative, coordinated and incentive driven voluntary efforts to implement species conservation programs. Included in this approach is the need to properly manage and support anadromous fish species.

## **Support for Voluntary Incentive-Driven Provisions**

The Family Farm Alliance has long advocated a voluntary, incentive-driven philosophy to advance conservation, and thus we supported the bill's provisions to provide financial assistance to interests seeking to apply voluntary conservation practices. Unfortunately, we have several over-arching concerns about the uncertainties associated with the expansive and uncertain nature of the bill. We continue to strongly believe that, rather than creating new processes and planning groups to tackle pressing marine challenges, existing collaborative programs that have proven successful should be given emphasis and perhaps be used as templates to duplicate that success elsewhere.

There are good examples of successful partnerships involving farmers and ranchers that benefit West Coast fisheries, to wit:

- The National Oceanic and Atmospheric Administration (NOAA) Fisheries Recovery Plan for Oregon Coast Coho Salmon calls for public-private partnerships to conserve habitat for the threatened species, positioning coho for possible removal from the federal list of threatened and endangered species within the next 10 years. The plan is voluntary, not regulatory, and hinges on local support and collaboration. The plan promotes a network of partnerships that integrate the needs of Oregon Coast coho with the needs of coastal communities.
- The Yakima River Basin Integrated Plan in Washington State is the result of a collaborative effort on the part of irrigators, environmentalists, local governments, the Yakama Nation, the federal government, and the State of Washington. The plan looks to improving water for farms, fish and the environment in a manner that does not pit one use against another. Anadromous fish runs are already benefiting from this forward-thinking partnership.
- After nearly 12 years of discussions and negotiations, the Deschutes Basin Habitat Conservation Plan (HCP) was recently announced, which will do a great deal to balance streamflows and better protect four threatened species for the next 30 years. The Deschutes HCP is a large-scale planning effort that will help the City of Prineville, Oregon and the Irrigation District members of the Deschutes Basin Board of Control (DBBC) meet their current and future water needs while enhancing fish and wildlife habitat. Species covered under the HCP include three federally listed species (Oregon spotted frog, bull trout, and steelhead), and one currently unlisted species that have the potential to become listed during the life of the HCP (sockeye salmon).

Unfortunately, Alliance members like me fear that some sections of the ocean’s climate bill might discourage further voluntary efforts, and would dramatically increase the role of federal agencies on inland rivers and adjacent lands, including all uses (agriculture, irrigation, ports, etc.).

### **The Need to Consolidate – and not Complicate – Existing Ocean Management Efforts**

Western watersheds that drain to the Pacific Ocean are home to many species of fish, some of which are listed as “endangered” or “threatened” under the federal Endangered Species Act (ESA) and fall under the responsibility of National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (USFWS). Because fish have different migration patterns or life histories, there are often duplicative and sometimes overlapping actions by each of the agencies under the ESA.

Several of these species – like the Lost River and Short Nose suckers in the Upper Klamath Basin, the Delta Smelt in the Sacramento-San Joaquin River & San Francisco Bay-Delta, and the bull trout in the Upper Snake River – spend their entire lives in freshwater. Other anadromous species—such as the southern California steelhead, coho salmon in the Lower Klamath River, chinook salmon in California’s Central Valley, and salmon and steelhead in the Columbia River – spawn in freshwater, migrate to the ocean to mature, and return to spawn in freshwater. Still other species are polymorphic: an individual *O.mykiss* may live its entire life in freshwater, in which case the fish is a rainbow trout, or that fish may ultimately spend part of its life in the ocean, in which case it is a steelhead.

In fact, up and down the West coast – from California’s Santa Clara Valley Watershed and Central Valley Project, to the Upper Snake River Basin in Idaho and the Klamath Irrigation Project in Oregon and California – duplicative bureaucracies have generated ESA plans that sometimes compete with or even contradict one another.

For example, based on a number of scientific studies reviewed by Stillwater Sciences, it was determined that steelhead are unlikely to swim upstream in water with sediment levels greater than 2,000 mg per liter. However, in NMFS’ direction to United Water, the agency is requiring United to provide passage for steelhead on the Santa Clara River at flows that would see more than three times that rate, 7,000 mg per liter. This is lethal to the steelhead they say they are trying to protect.

NMFS’ arbitrary requirement leads us to ask, “Why are we taking the water away from farms and communities when it would provide no benefit to the endangered species?”

The *Ocean Based Climate Solutions Act* - in our view - provides potential to further these types of unfortunate examples, especially in the drought stricken Western United States. We should be looking for ways to streamline, improve and consolidate federal resource management efforts. We

need to be sure that new planning groups and programs are necessary and do not waste public resources.

## **Key Concerns**

The Family Farm Alliance certainly sees the need to address the ocean impacts of climate change. For far too long, the ocean has been left out of conversations about West coast climate and environmental solutions. We fully support a robust, but thoughtful response to these challenges. The *Ocean-Based Climate Solutions Act of 2021* is a very comprehensive bill with a long list of proposals to address climate change. While many of the provisions of this bill go beyond our area of interest and expertise, there are sections that raise grave concerns as they relate to farmers and ranchers operating many miles inland from the ocean.

### **1. Putting the Cart Before the Horse**

We are not sure that the time is ripe for such a massive and ambitious bill addressing an issue that may be largely unknown to most Americans. For example, Title I proposes the establishment of a Blue Carbon Program within NOAA. The intent of this program is to draw on the latest science to address potential ocean solutions to accelerate progress on climate change. We are not sure what “blue carbon” actually is, and the bill does not provide a definition of this term, although Section 110 defines the term “blue carbon ecosystem.” That definition – “vegetated coastal habitats including mangroves, tidal marshes, seagrasses, kelp forests, and other tidal or salt-water wetlands that have the capacity to sequester carbon from the atmosphere for a period of not less than 100 years” – raises concerns, since the phrase “have the capacity” appears to be subjective. We are concerned how this term will be interpreted, as described later in this testimony.

It would be helpful to provide additional information about the latest science and technology behind the blue carbon initiative. It is our understanding that resource managers attempting to promote the sequestration of blue carbon rely on best-management practices that have historically included protecting and restoring vegetated coastal habitats. Only recently are managers beginning to incorporate watershed-level approaches, a methodology that appears to be promoted in several sections of the ocean-based climate solutions bill.

In our November 2020 written testimony, we raised concerns about ambitious provisions that directed the Secretary of Interior to undertake restoration of coastal wetlands on Department lands to halt greenhouse gas (GHG) emissions and/or sequester carbon. We were pleased to see that the current bill does not include those provisions, which we believed “put the cart before the horse” and seemed to be premature.

However, we hold fast to our belief that Congress should instead work to further “raise awareness of blue carbon ecosystems as a tool to further conservation objectives through education and extension activities”, something that would be addressed as part of the strategic plan proposed in Section 101. Similarly, Section 1001 directs study examining the social and economic vulnerability to ocean acidification of coastal resource-dependent communities, including identifying critical knowledge gaps potential adaptation strategies. These are the sort of actions that should be conducted first, before the government moves forward with a new federal program that will cost approximately \$4.8 billion in the first year alone.

Given the relative unknown nature of blue carbon ecosystems to the general public and to policymakers, we would respectfully observe that a careful, thoughtful, and incremental approach be taken first.

Also, the bill should be further examined to see if other legislative vehicles might be used to carry certain provisions. For example, Title VII, Section 821 establishes a grants program within the Department of the Interior to improve the resilience of Indian Tribes to the effects of climate change. We have strong relationships with many Western tribal groups, and we were happy to work with your committee in the last Congress to support important Indian water rights settlement legislation. However, it is difficult for us to see the nexus between a \$1 billion tribal resilience package and ocean climate legislation. This section, as well as Title IX, Section 904 – which authorizes \$10 billion for fiscal year 2022 to support shovel-ready coastal restoration projects to help stimulate the economy and provide jobs for workers affected by COVID-19 – would appear to be better advanced in a COVID-19 stimulus package.

## **2. Representation Concerns**

Traditionally, land use is a local and regional responsibility. The Family Farm Alliance strongly advocates that the best decisions in resources management are made at the local level. Section 101 calls for the above-referenced strategic plan to be developed in collaboration with Federal agencies, the interagency working group, State agencies, Tribes, and non-governmental organizations on research, restoration, and protection efforts relating to blue carbon ecosystems. The experience of Family Farm Alliance members has helped mold our philosophy that the best knowledge and solutions related to natural resources issues comes from those who work at the local level. The proposed collaborative effort should also include local government representatives like counties and cities, who can appoint other local experts like biologists, commercial fishermen, and other producers to provide a better level of “ground-truthing” to those unfamiliar with particular locales.

Section 106 establishes an interagency working group consisting of federal department and agency representatives. Even though this working group includes numerous representatives already, we recommend also including the Commissioner of the Bureau of Reclamation (Reclamation), since

major federal water projects are located in all of the major watershed draining to the Pacific Ocean, and “dams”, “dikes” and “levees” – common features to Reclamation projects – are clearly targeted for investigation in other sections of this bill.

### 3. Clarity and Practicality

The proposed strategic plan contains elements that appear to be vague, subjective, and/or unrealistic. For example, the plan proposes to study measures that “protect and restore habitats, waters, and organisms that are long-term carbon sinks or will be subject to habitat change as a result of climate change and development.” Presumably, climate change will impact the entire globe, which theoretically will impart some degree of change on habitat everywhere. A study of this scope would appear to be a near-impossible task to achieve. Similarly, it will be a technically challenging and expensive task to quantify “co-benefits,” including “flood risk reduction, habitat restoration for endangered and threatened species, maintenance of biodiversity<sup>1</sup>, water quality improvements, habitat maintenance and creation, cycling of nutrients other than carbon, commercial and recreational fishing and boating benefits.”

Section 701 addresses conservation of marine mammals adversely affected by climate change by amending the Marine Mammal Protection Act to develop climate impact management plans for marine mammals that are highly threatened by climate change. These management plans must include strategies for mitigating the direct and indirect effects of climate change on the marine mammal population and encouraged to be integrated into Marine Mammal Protection Act conservation plans or ESA recovery plans.

Again, this section is vague, and we believe could create opportunities for litigious challenges to inland irrigated agriculture. For example, the bill proposes that a list of marine mammal species and population stocks in U.S. waters will be developed, for which climate change, “alone or in combination or interaction with other factors,” has “more than a remote possibility” of resulting in a decline in population abundance, of impeding abundance or population recovery, or of reducing carrying capacity. That list shall include any species or population stock listed under the ESA, and any other species or population stocks, for which impacts have “more than a remote possibility of occurring within 100 years” (*emphasis added*).

This criteria does not appear to carry any sense of priority. In simpler prose, it might as well say, “Add all marine species to the list.” A task of this magnitude will surely affect already budget

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<sup>1</sup> Speaking of biodiversity, while this term appears 14 times in the bill, it is defined nowhere. The Convention on Biological Diversity defines biological diversity or biodiversity as “the variability among living organisms from all sources including, inter alia, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part: this includes diversity within species, between species and of ecosystems (United Nations).” This widely accepted definition has been criticized by many for being too vague and in need of clarification. While most ecologists downplay this vagueness, there are at least three concerns regarding its actual application: 1) it can impair the coordination of conservation actions; 2) hide the need to improve management knowledge; and 3) cover up incompatibilities between disciplinary assumptions. We recommend that this term be removed, or defined in a manner that resolves these three concerns.



strapped agencies that interact closely with Western agricultural irrigators, including the Departments of Commerce and the Interior, NOAA, and USFWS.

We truly question the need to create new processes and planning groups to tackle pressing fisheries and marine mammal issues. Instead, existing collaborative programs that have proven successful should be given emphasis and perhaps be used as templates to duplicate that success elsewhere.

#### **4. Environmental Litigation in the West**

Before discussing other concerns with this bill, it would be useful to set the stage and provide some background that drives our perspective. The federal government's significant presence in the West already presents unique challenges for Alliance members. This is particularly true with respect to the reach of federal environmental laws. Consider implementation of the ESA, which impacts the management of land and water throughout the West. For example, federal water supplies that were originally developed by Reclamation primarily to support new irrigation projects have, in recent years, been targeted and reallocated to other uses. The result is that these once-certain water supplies have now been added to the long list of existing "uncertainties."

Given the nature of water storage and delivery, Alliance members are often directly impacted by the implementation of federal environmental laws like the ESA. The ESA has at times been interpreted to empower federal agencies to take action intended to protect listed species without consideration of the societal costs of such action, even when it is not clear that the action taken will actually yield conservation benefits for the particular species. And the ESA and other environmental laws have many times been used to reallocate and diminish water supplies traditionally developed for irrigated agriculture in litigation by groups known for their litigious focus and not on helping species in trouble through collaboration.

We emphasize here that not all conservation non-governmental organizations (NGOs) should be lumped into the same category as these activist groups that rely on litigation to drive their agenda.

The Alliance has worked hard to create the Western Agriculture and Conservation Coalition, a collaborative effort with the goal of finding ways to improve the environment, protect Western irrigated agriculture, and keep farmers and ranchers in business. Other members of our Coalition include The Nature Conservancy, Farmers Conservation Alliance, California Farm Bureau Federation, Environmental Defense, Wyoming Stockgrowers, Trout Unlimited, Public Lands Council, and the California Agricultural Irrigation Association, to name a few.

#### **5. Potential Risks to Inland Producers**

We developed the above background section to explain why we have concerns that certain programs proposed by this bill will generate further risk and uncertainty to farmers and ranchers

who rely upon federal water projects in areas like the Columbia River, Klamath River, and Sacramento-San Joaquin watershed on the West coast. Parts of the bill include vague and undefined objectives, goals, and policies. We know from experience that these types of provisions can be used by critics of irrigated agriculture as the basis for negative media or lawsuits to stop or delay Federally permitted activities.

I have a specific example that illustrates this concern. Since the late 1800s, documentation from Fish and Game biologists and regulatory agencies have stated that the Piru Creek watershed in Ventura and Los Angeles Counties is not conducive to steelhead. In fact, there has never been documentation of steelhead in that watershed. The Federal Energy Regulatory Commission (FERC) submitted a Biological Assessment that supports this assertion. However, despite historical data, consistently dry conditions, natural migration barriers and assessments of the region, NMFS' Biological Opinion reaches different conclusions. It attests not only to the possibility of a steelhead resource, it also requires the construction of a very expensive fish passage structure and, since 2010, continuous water releases from United's infrastructure into lower Piru Creek, deemed critical habitat by NMFS, for fish that have never been seen there.

Elsewhere, during the last drought NMFS determined that Central Valley salmon populations would go extinct unless government agencies change their water operations in California. In a draft biological opinion, NMFS concluded that the southern resident population of killer whales might go extinct because its primary food source – salmon – is imperiled by California's network of dams and canals. Similar linkages between these orcas and potato farmers (located hundreds of miles from the Pacific Ocean) were contemplated as a biological opinion was being drafted by NMFS for the Klamath Irrigation Project, located in the high desert of southern Oregon. Farmers in the Columbia Basin, east of the Cascades, fear that linkages made by some between Puget Sound orcas and dams located hundreds of miles away on the Snake River will be used to someday remove those dams.

The bill opens the possibility of further emphasizing such questionable relationships. Further, it sets up new processes where requested federal permits would be subject to additional consultation processes prior to any formal consideration.

For example, Section 102 calls for the development of a national map of coastal blue carbon ecosystems and a description of these ecosystem conditions. Among many things, one of the required descriptions is “any upstream restrictions detrimental to the watershed process and conditions, including dams, dikes, and levees.” Lumping in these features as “detrimental” is overly broad, inaccurate, and establishes a bias before the descriptions are even developed. Identifying “any” upstream pollution sources that threaten the health of each ecosystem also appears to be subjective and unrealistic. For example, in the Columbia River estuary, how far upstream would such an analysis extend? Canada?

Sec. 103 requires a report that includes an assessment of “Federal agency actions that have historically caused and presently cause great adverse effects on such ecosystems.” As described previously, “blue carbon ecosystems” are defined as areas that “have the capacity to sequester carbon from the atmosphere for a period of not less than 100 years.” This type of open-ended definition could lead to the designation of large areas of blue carbon ecosystems up and down the Pacific coast. This would provide critics of Reclamation and federal water projects with a new means of linking alleged environmental damage to federal actions undertaken hundreds of miles inland.

Section 107 directs the Administrator of NOAA to develop criteria for and designate “coastal carbon areas of significance” (CCAS) and ensure conservation of CCAS using Department of Commerce programs and resources. This section of the bill raises many concerns. First, the criteria are vague. For example, one criterion says that CCAS should provide for “long-term storage and sequestration of significant amounts of ecosystem carbon.” “Long-term” and “significant amounts” are not defined and appear to be subjective. A larger concern is the new requirement that federal agencies proposing actions that may harm CCAS are required to notify NOAA, which would consult with the action agency to assess “adverse impacts.” The action agency is prohibited from taking the proposed action if an alternative exists that fulfills the purpose of the proposed action without harming CCAS. If no feasible alternative exists, the action agency is to take measures to mitigate the impact and to create carbon storage offsets for unavoidable impact.

Section 308 addresses essential fish habitat (EFH) and requires new consultation and mitigation process for any activity that would have an adverse effect on EFH. In our November 2020 testimony, we noted that a spokesperson with the Maine Coast Fishermen’s Association had expressed concerns that this bill would “fundamentally undermine” the Magnuson-Stevens Act, and particularly the existing regional council system. Our concerns with this section are similar to those previously expressed for the CCAS. Significant changes are made to the current EFH consultation process. It would replace the current consultation requirement between the Secretary of Commerce and another federal agency and replace it with a requirement that if any action by a federal agency may have an adverse effect on EFH, that agency would be required, through consultation with the Secretary of Commerce, to avoid the adverse effects. To the extent that adverse effects could not be avoided, the agency would be required to “minimize and mitigate” the adverse effect based on the recommendations of the Secretary of Commerce.

On the West Coast, many of our members’ federal water supplies are impacted by federal management decisions associated with salmon. The 2014 Pacific Council’s Salmon Fishery Plan includes specific types or areas of habitat within EFH based on several considerations. Because other areas of the bill underscore the “detrimental” aspects of dams and other federal water

resources infrastructure to these ecosystems, this section provides a whole new set of tools for litigious critics of Western irrigated agriculture and federal infrastructure to use in the courtroom.

We were pleased to see that troubling language<sup>2</sup> in the earlier legislation has been removed. However, we reassert our concern that the entire bill be reevaluated to ensure that standards for scientific and commercial data that are used to make decisions are established. Relatively greater weight should be given to data that have been field-tested or peer-reviewed. The former requirement would help clarify when such things as “personal observations” or mere folklore are considered by the agencies to be reliable enough to make decisions with potentially profound effects.

In summary, the federal consultation requirements associated with the proposed CCAS, the vague terminology, and deemphasis on quantification provisions- however well intended they may be – represent yet another layer of red tape and uncertainty to Western irrigators working in watersheds that drain to the Pacific Ocean.

## **Conclusion**

American family farmers and ranchers for generations have grown food and fiber for the world, but we will have to muster even more innovation to continue to meet this critical challenge. That innovation must be encouraged by our government rather than stifled with new federal regulations and uncertainty over water supplies for irrigated farms and ranches in the rural West.

We appreciate that Chairman Grijalva has made some encouraging changes that are reflected in the current bill. This is clearly major legislation with lofty goals, but in our view, there is plenty of room for additional improvement. There are some provisions we can support; but there are many which would benefit from additional scrutiny. We urge Congress to consider farmers, ranchers and water managers like me not as obstacles, but as partners in developing thoughtful climate policies, including ocean policies based on sound science. We hope you will consider these comments and those from other producer organizations as you further refine this legislation.

We remain committed to working with your Committee and the Congress to share our concerns and perspectives. Thank you for this opportunity to present this testimony to you today.

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<sup>2</sup> Section 121(D): “...the lack of quantitative information shall not be a basis for a determination that a species or population stock is not adversely impacted by climate change, along or in combination or interaction with other factors.”