





### Illuminate, Empower, Protect

I was deeply moved when a fellow pilot described a quiet tragedy he witnessed during an early morning flight near the BP Gulf oil spill. He and his passenger photographed three pods, almost a hundred dolphins, as they converged on the oil-covered surface and came to a standstill facing a fiery scene out of Dante's "Inferno". Dolphins are intelligent, air-breathing creatures, and as he watched, they writhed and tried to breathe in the oily waters below. My friend is a lifelong Alabama resident and a wetland scientist by profession, and he sadly described the Gulf he knows as a "sacrifice zone."

I did not fully grasp his statement until I flew the coastline myself from Mobile to Galveston in a small plane. The oil infrastructure located just offshore and throughout the coastal estuaries is staggering. The quiet tragedy my friend witnessed never made the papers or the evening news. But his story and what I saw with my own eyes is unforgettable.

Powerful epiphanies like these happen hundreds of times a year on LightHawk flights – over factory farms in Maryland, tropical reefs in Central America, and watersheds as large as small countries in the Pacific Northwest.

We believe it is essential to hold accountable those entrusted with the care of our natural heritage – a difficult task when it involves vast watersheds and wilderness areas, inaccessible coastlines and reefs, and fenced-off mines and drilling pads.

Our responsibility is to mobilize volunteer pilots who donate flights that **illuminate** exquisite landscapes and the dramatic footprints we leave behind -- deforestation, rust-colored runoff from mine tailings, and dredged estuaries. Our dedicated staff works with hundreds of conservation partners to get key passengers into the air who have the means to **protect** what matters. We **empower** caring people with the firsthand aerial insights, images and data they need to turn their resolve into fierce protection for wild nature.

C. Rudy Engholm

Executive Director

### **Tripods in the Sky**

LightHawk volunteer pilots and world-class photographers are working together to move conservation forward by tripping the shutter from above. Tripods in the Sky is a media initiative that pairs LightHawk with the International League of Conservation Photographers (iLCP), a consortium of the world's top nature photographers. Through Tripods in the Sky, LightHawk and iLCP are sharing the aerial view with a wide audience to illuminate conservation work ranging from dramatizing a risky oil pipeline project in the Great Bear Rainforest and monitoring a British Columbia river as part of a climate change study, to highlighting the current state of Florida manatees, Yucatan flamingos and Wyoming western sage grouse.







# 011 HIGHLIGHTS







### **Flying Wild Cargo**

Usually when LightHawk takes to the skies, we create accountability, educate passengers or gather data and photos, thereby preventing harm to the environment. But sometimes we leverage aviation for active restoration efforts, including species restoration. In these cases, we're flying with passengers more wild than usual. From river otters to bald eagles, Mexican wolves to aplomado and orange-breasted falcons, LightHawk donates flights to help get these rare animals to new homes and on the path to species recovery. This work complements our decades-long habitat protection efforts.

This publication serves as LightHawk's 2010 annual report and provides a highlight of our 2011 activities.

Top: Cristina Mittermeier/iLCP, Neil Ever Osborne/iLCP, Klaus NIgge/iLCP. Bottom: Bill Heinrich/ The Peregrine Fund, Cheryl Reynolds, RMRP



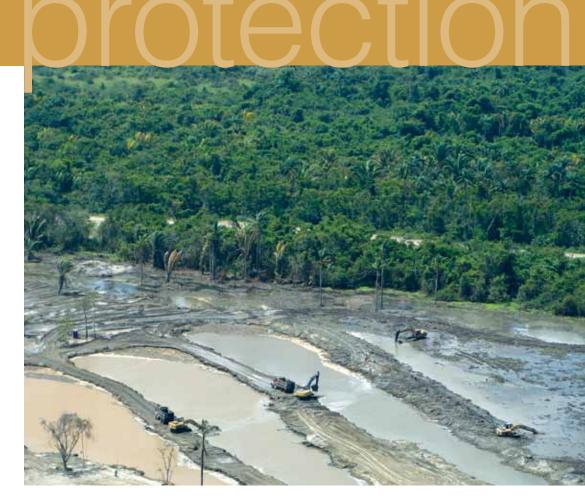
### What we do

champion environmental protection through the unique perspective of flight.

### We do this

by mobilizing a highly qualified corps of volunteer pilots and donating flights to protect

- Wildlands
- Wildlife
- Freshwater & Wetlands
- Oceans, Reefs & Coastlines



The aerial perspective shows the scale of destruction needed to create a golf course, shopping mall, two luxury hotels and 460 tourist villas in Honduras. The development will affect the Mesoamerican Barrier Reef and the Mesoamerican Biological Corridor. This sensitive area is home for many species of plants and animals, and used by migratory birds traveling between North and South America.

Opposite: Undisturbed mangrove islands, like these in Florida, provide shelter for birds and fish, and protect the coast from storms.

# **Areas of Operation**

LightHawk operates throughout much of the US, Mexico and Central America, and parts of Canada.

### **Key Campaigns**

### C ^ ≈ ↑ 1. Great Bear Rainforest

Flights illuminate the remote coast of British Columbia, home to the rare white spirit bear, where a proposed 727-mile pipeline would carry heavy crude across 1,000 rivers before being loaded in supertankers to thread narrow fjords to reach overseas refineries.

#### C ∧ № X 2. Klamath Basin

Once ensuared by a water rights battle pitting farmers, conservationists, native tribes and ranchers against each other, the Klamath now embraces a cooperative approach to watershed health and flights are used to support restoration of the Basin's ecosystems, economies and communities.

#### 2 3. Marine Protected Areas

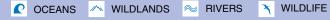
LightHawk flights were instrumental in the successful campaign to establish a network of marine protected areas to preserve the beauty and sustain the vitality of California's ocean.

### 4. Western Natural Heritage Initiative

LightHawk harnesses the power of flight to preserve the biodiversity, iconic landscapes and natural history of the American West.

#### **➣ 5. Western Rivers Initiative**

Across the western U.S., LightHawk flights enhance, strengthen and expedite river and watershed protection and restoration. Techniques and lessons learned from local flights inform river conservation on a regional scale.















#### 6. Atlantic Coastal Bay & Estuary Health

The aerial perspective is crucial to enabling scientists to protect coastal nurseries, promote healthy fish populations and resilient shorelines, and reveal how inland development affects coastal health.

### 7. Northern Temperate Forest

LightHawk flights help protect one of North America's largest continuous forest ecosystems in the face of increasing pressure from resort development and urban sprawl.

#### ≈ 8. Fracking

What's the harm in flushing millions of gallons of local stream water and toxic chemicals into a 6-inch hole drilled to extract "clean" natural gas? Flights help uncover the full story, the scale of drilling and long term consequences of hydraulic fracturing.

### 9. Gulf Oil Spill

Even after the media spotlight fades, flights continue to gather data and monitor restoration projects that will help heal the Gulf, its coastline, wildlife and communities.

### 10. Mesoamerican Biological Corridor

Originally established to save critically endangered species, this corridor from Mexico through Central America also serves to improve the quality of life for its human inhabitants. LightHawk flights allow authorities to monitor for damaging activities that threaten vital habitat for animals and native plants, empower researchers with the aerial perspective and elevate outreach and education efforts.

### ↑ 11. Mesoamerican Barrier Reef

Flights highlight upstream and onshore activities that trickle down to the coral communities of the world's second longest barrier reef that stretches over 600 miles from Mexico to Honduras.

A donated LightHawk flight showed a uranium mine near the south rim of the Grand Canyon. High concentrations of uranium and arsenic from the mine have been exposed to the ambient environment for more than 20 years, but government authorities have not held the mine owners responsible for this pollution.

# Wildlands

One of the best ways to experience the interconnection of wild places is from the window of a small aircraft. This perspective softens borders and shows how vulnerable wildlands are to being fragmented.

In British Columbia's Great Bear Rainforest, flights in LightHawk's Cessna 185 were deployed to capture iconic images from this remote land. A proposed pipeline would bring heavy crude oil from the Alberta tar sands across 1,000 rivers before being loaded in supertankers to thread narrow fjords. Compelling aerial photographs were also instrumental in the campaign to protect over 44,000 acres of the Wyoming Range south of Jackson from oil and gas drilling. By contrasting pristine areas with heavily industrialized landscapes just a few miles away, LightHawk illustrates some of the true impacts of energy development.

In California, LightHawk flights built support for preserving wilderness and defended roadless areas in Washington and Oregon. Flights also captured media interest to sway public support for the creation of new and expanded wilderness areas in Arizona, Colorado and New Mexico. In the North Atlantic states, LightHawk flights promoted and preserved important wildlife corridors, joining New York's Adirondack Park with Vermont's Green Mountains and Ontario's Algonquin Park. Wilderness connectivity spurs local economies while helping to ensure the survival of moose, bear, fisher, bald eagle, native brook trout, and Atlantic salmon.

In Mexico and Central America, flights identified and curbed harmful activities which threaten protected land and imperiled species. Mobilizing LightHawk's own Cessna 206 and 207 aircraft, flights covered areas such as Chiquibul National Park and Rio Bravo Conservation Management Area in Belize, the Maya Biosphere Reserve in Guatemala, Costa Rica's Tortuguero National Park and many protected areas in Mexico's Yucatan Peninsula.



Left: Robin Silver/Center for Biological Diversity/Lighth Right: J Henry Fair with aerial support from LightHawk



# Wildlife

While LightHawk's efforts to preserve wildlands inevitably benefit wildlife, LightHawk also mobilizes flight for wildlife conservation in other ways.

#### Habitat

LightHawk flights in Costa Rica, Honduras and Belize enabled scientists to determine habitat connectivity and identify land-use threats along a proposed jaguar corridor. In Mexico's Yucatan peninsula, flamingo colonies were studied without on-the-ground disruption and manatees were surveyed in Honduras and Belize, adding to knowledge about their population and distribution.

### Species Data

In northeastern Utah, the vantage of a LightHawk flight allowed a researcher to spot the unique tracks of wolverine in the snow. A follow up investigation by ground crews led biologists to confirm, for the first time, the presence of wolverine in that part of the state. LightHawk flights have also located whale sharks off Mexico's Caribbean coast and scarlet macaws in Guatemala, and searched for and tracked rusty blackbirds and radio-collared bobcats in New Hampshire.

University of New Hampshire biologist holds a tranquilized and radio-collared bobcat prior to release.

### Bald eagle regains his freedom in Idaho after recuperating from injury.

### Wildlife Transport

LightHawk's wildlife transport efforts increased dramatically in 2010. In support of species restoration efforts, volunteer pilots flew 74 aplomado falcon chicks from Idaho to New Mexico and Texas for release into the wild and seven orange-breasted falcon chicks from Wyoming to Belize to bolster the wild population. LightHawk provided four long-range flights to move critically endangered Mexican wolves between breeding facilities and to release sites with a minimum amount of stress and confinement time. LightHawk also helped an injured bald eagle regain his freedom – first transporting him from Wyoming to Colorado to regain his flight skills and four months later returning the eagle to Idaho for release in his home territory.

Volunteer pilot Bob Stoecker (left) donates flights to LightHawk's conservation partners in his Lake Amphibian aircraft. Bob and his plane are pictured here with Steve Shimek of The Otter Project.

# Freshwater & Wetlands

Freshwater sustains life on our planet. To protect it, LightHawk flights provide the perspective to help address issues that affect this vital resource from source to sea.

In North Atlantic states where hydraulic fracturing is booming, LightHawk flights identify and monitor the controversial energy extraction practice to better inform the public and guide policy makers. Each gas well requires one to three million gallons of freshwater pulled from local sources which is then combined with a chemical cocktail and forced thousands of feet into the ground. This presents a risk to underground aquifers, as well as the waterways and ecologically valuable forest, mountain and wetland ecosystems that form the headwaters of the Chesapeake Bay, the Susquehanna, Potomac and Delaware Rivers.

Further west, flights over the Columbia and Snake River basins provided footage for the documentary, "The Greatest Migration," illuminating the connections between healthy salmon, healthy forests and the communities that depend on them. In Washington, LightHawk flights documented a historic wetlands restoration project in the Nisqually River Delta.

In Mexico, a flight filming a wetland conservation documentary also detected illegal activities and mangrove fires which were reported to authorities. While in southern Belize, donated flights helped monitor and document the impact of river dams on the riparian ecosystems, the river itself, the communities living there and the reef downstream.

Highly threatened, but little known, the Sacred Headwaters of British Columbia feeds three great salmon rivers. Though vital to local economies, Tahltan First Nation cultures and near-pristine ecosystems, the region has come under pressure from resource and energy extraction. LightHawk volunteer pilots enabled conservation photographer Paul Colangelo to capture images of this stunning landscape. For comparison, Paul also photographed existing coalbed methane sites in Montana to raise awareness of what's at stake.





# Oceans, Reefs & Coastlines

Our influence on the ocean can seem like just a drop of rain in an immense sea, hardly making a splash. Yet LightHawk flights have the power to illuminate the issues that impact these waters and show how caring people can make a big difference.

Even before the Deepwater Horizon oil spill devastated the Gulf of Mexico, LightHawk was flying to accelerate wetland restoration along the Louisiana coastline. Buffeted by storms and mismanaged for decades, the coastal wetlands that once provided protection from storm surge and nurtured marine life were disappearing at an alarming rate. The oil spill added insult to injury and increased the urgency for LightHawk donated flights that enable scientists to research and analyze new methods for restoring Louisiana's invaluable coastline.

During 2010, LightHawk provided dozens of flights to establish and monitor Marine Protected Areas off the coast of Oregon and California. LightHawk was an integral player in the effort to create these MPAs by providing a new perspective to educate local stakeholders, media and decision-makers; monitoring usage patterns; enabling data collection and capturing a huge catalog of aerial photographs.

Over the Bay Islands in Honduras, LightHawk donated flights helped videographers showcase reef conservation efforts. Their documentary increased public awareness of the value of reef ecosystems and bolstered efforts to protect them. The aerial perspective represents a key way to eliminate pressures from onshore activities and coastal development on the world's second largest coral formation, the Mesoamerican Barrier Reef.



Donated LightHawk flights illuminate the interplay between dense coastal settlements and marine ecosystems in Honduras.



## Did you know

that all LightHawk flights are flown by highly qualified volunteer pilots who donate their services? LightHawk does not charge its partners for flights.

# **Partner**

# A CONVERSATION WITH MARÍA ANDRADE-HERNÁNDEZ,

Executive Director of Pronatura Península de Yucatán (Mexico)

### What do LightHawk donated flights do for Pronatura Península de Yucatán?

"LightHawk provides another dimension to our view of ecosystems and their threats. The information we obtain about conservation and land protection, prevention and the fight against wildfires, and monitoring of species and threats, allows us to analyze and adjust our strategies and actions. This allows us to have a stronger influence over decision makers, which strengthens our partnerships with key people and stakeholders."

### How would your efforts be different if LightHawk were not supporting your conservation work?

"The partnership between Pronatura Península de Yucatán and LightHawk is one of our best examples of strategic alliances which complement and strengthen common goals that would be very difficult to do otherwise.

LightHawk helps us have access to strategic information on a wider scale. The donated flights help us to provide decision makers and key leaders of local communities with perspective of the problems. The flights donated by LightHawk allow these key people to understand the magnitude of the natural wealth that is housed in the lands under their responsibility. This results in more partners in our conservation and protection strategies."

### How has working with LightHawk changed the way you approach your conservation activities?

"LightHawk not only supports our conservation work, but also provides the opportunity to assist managers of state and federal natural reserves, and strengthens our partnerships with mayors and community leaders."

### How would you characterize LightHawk's contribution to Pronatura Península de Yucatán?

"LightHawk complements and strengthens our conservation efforts on strategic issues, such as monitoring, to address threats to biodiversity. LightHawk helps us strengthen relationships with key people and stakeholders. The LightHawk staff stands out for doing its job efficiently and gladly, based on Pronatura's needs, but always putting our safety in first place. Taking part in a LightHawk flight is something that is priceless and gives us great satisfaction in our work for conservation and the protection of biodiversity."

# Donor

### **ANDY DUNIGAN**



How did you find out about Lighthawk and why did you choose to support it?

"As a former rancher in New Mexico, I first became aware of LightHawk about 20 years ago. My role as a volunteer pilot has included two flights transporting endangered baby aplomado falcons from the Peregrine Fund's World Center for Birds of Prey in Boise to the desert Southwest for their release into the wild, as well

as a reconnaissance flight over the recent Gulf Coast oil spill. I'm also a board member of the Quivira Coalition, an innovative conservation organization based in Santa Fe. Ever since becoming a volunteer pilot, I've also provided annual financial support to LightHawk's operations. Supporting LightHawk both in the air and on the ground enables me to combine my passions for both conservation and aviation."

### Why do you think LightHawk makes such a difference to conservation efforts?

"Through its numerous partnerships, LightHawk is uniquely positioned to expose diverse constituencies to a variety of environmental issues. The flights serve not only to educate but also to spur prevention or remediation efforts that might not have occurred otherwise. I'm excited to be a part of LightHawk's mission and growing impact on how we view and seek to address the many environmental threats facing the United States, Canada and Mesoamerica."

# **Volunteer Pilot**

### CHRISTOPHER BOYER

Award-winning conservation photographer, owner of Kestrel Aerial Services, and LightHawk volunteer pilot Chris Boyer is based in Bozeman, Montana. Friend and fellow conservation photographer Dave Showalter finds out what makes Boyer tick.



### Tell us a little bit about yourself.

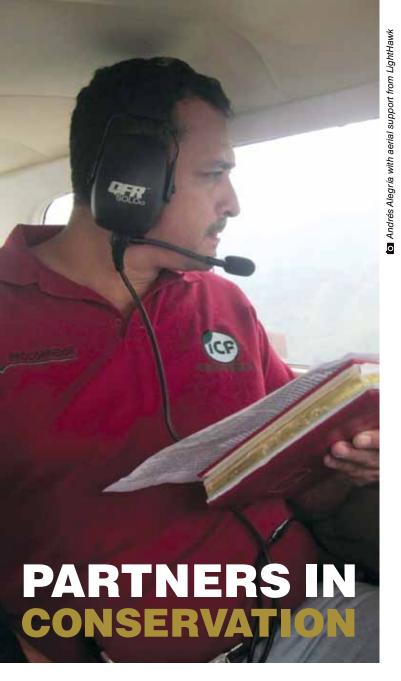
"I was raised a conservationist, and always knew that my life and career would be intimately bound up in rural and wild landscapes. I moved west to work as a farmer, ranch hand, and outfitter and did that for many years. I returned to school for fluvial geomorphology and embarked on my first career of ecosystem restoration. Although constantly using the aerial view to inform my techniques of ecosystem restoration, I became aware that from the air, I was witnessing much more of the landscape coming unraveled than being patched together. This led me to devote my cameras and airplane towards more of an advocacy role."

## When did you begin flying LightHawk missions and why did you want to volunteer your plane and your time to fly for conservation?

"The aerial view quickly became such an influence in my conservation ethic, that as soon as I heard about LightHawk, I knew I needed to join. I had to wait a couple of years though, because LightHawk does not accept volunteer pilots with less than 1,000 hours of logged pilot-in-command time. On September 12th of 2005, I took off from Bozeman with 999.3 hours in my logbook, and returned with 1,000.7 hours. I applied that afternoon."

### You've flown some remarkable conservation missions. Are there a few that really stand out?

"There are elements that I like to see in the missions I fly. I tend to gravitate towards those that include big issues, collaborative efforts, and informed science and policy components. I have always jumped at missions with conservation photographers because these tend to have all of the above components."



Many times only the view from above enables local authorities to detect and halt illegal activities within protected areas. This Honduran forestry agent flew with LightHawk to detect illegal forestry activities within Punta Izopo National Park on the northern Caribbean coast near Guatemala.

### Partners Aloft in 2010

### Mesoamerica

### Belize

Ambergris Caye Citizens for Sustainable Development Belize Audubon Society

Belize Forest Department

Belize Foundation for Research and Environmental Education

Belize Zoo

Brian Skerry Photography

Forest and Marine Reserve Association of Caye Caulker

Foster Productions

Friends for Conservation and Development

Healthy Reefs

New Mexico State University

Oceanic Society

Programme for Belize

Smithsonian Environmental Research Center

Southern Environmental Association

The Peregrine Fund

Toledo Institute for Development and Environment

Tony Rath Photography

Wildlife Care Center - Belize

Wildlife Conservation Society

Ya'axché Conservation Trust

### Costa Rica

Asociación Comunidades Ecologistas Usarías del Golfo de Nicova

Centro Nacional Alta Tecnología

Florida Institute of Technology

Fundación Neotropica

Instituto Nectandra

Sistema Nacional de Áreas de Conservación

Titi Conservation Alliance

University for International Cooperation University of Costa Rica

University of Vermont

World Wildlife Fund

### Guatemala

Árbol Verde

Asociación Balam

Asociación Forestal Integral San Andrés British Broadcasting Corporation

Centro de Estudios Conservacionistas de la Universidad de San Carlos de Guatemala

Centro de Monitoreo y Evaluación del Consejo Nacional de Áreas Protegidas

Consejo Nacional de Áreas Protegidas de Guatemala

Cooperativa Carmelita

Fundación Defensores de la Naturaleza

Instituto de Estudios Agrarios

Instituto Nacional de Bosques

Lafeber Conservation Ministerio de Ambiente y Recursos Naturales

de Guatemala

Ministerio de la Defensa Nacional de Guatemala Organización Manejo Y Conservación

Parque Nacional Mirador Río Azul

Parque Nacional Tikal

Pastoral Social

Sistema Integral de Prevención y Control de Incendios Forestales

UK Embassv

Universidad del Valle

Universidad de San Carlos de Guatemala

### Honduras

Bay Islands Conservation Association (BICA)

Cuerpos de Conservación Omoa-CCO

Fundación Cuero y Salado

La Fundación Calentura y Guaimoreto

Roatan Marine Park

#### México

Amigos de Sian Ka'an

Centro Mexicano de Derecho Ambiental

Comisión Nacional de Áreas Naturales Protegidas

El Colegio de la Frontera Sur

Fundación Plan Estratégico de Cozumel

Greenpeace

International League of Conservation Photographers

Mexican Wolf Species Survival Plan

Niños v Crías

Pronatura Península de Yucatán

Pronatura Sur

Ralph Lee Hopkins, Photographer Reserva Ecológica el Edén

Sonoran Institute

Université de Sherbrooke

WilDCOAST

Yucatán Península King Vulture Conservation Group

### Panama

Azuero Earth Project

Panthera

Smithsonian Tropical Research Institute Sociedad Mastozoológica de Panamá

University of Nottingham

### United States and Canada

Adirondack Council Adirondack Mountain Club Allegheny Defense Project American Wild Horse Preservation Campaign American Wildlands Amigos Bravos Arizona Wilderness Coalition

Arizona Wildlife Federation Assateague Coastal Trust Audubon of Florida

Audubon Wyoming Blue Hill Heritage Trust

California Wilderness Coalition Canadian Parks and Wilderness

Society Castle-Crown Wilderness Coalition

Catskill Mountainkeeper Centennial Valley Association

Center for Alaskan Coastal Studies Center for Biological Diversity Central Colorado Wilderness

Coalition Chesapeake Bay Foundation Chesapeake Climate Action

Network Christian Science Monitor Cloud Foundation

CNNMoney.com

Coalition to Restore Coastal

Colorado Cattlemen's Agricultural Land Trust

Colorado Environmental Coalition Colorado Mountain Club Colorado Natural Heritage Program

Colorado Open Lands Columbia Land Conservancy

Columbia Land Trust Consultative Group on Biological Diversity

Cornell Lab of Ornithology Dakota Resource Council

Damascus Citizens for Sustainability Dave Showalter Nature Photography

Defenders of Wildlife Downeast Lakes Land Trust Drilling Mora County East Multnomah Soil & Water

Conservation District

Environment Colorado **Environment News Trust** Environmental Advocates of New York

Environmentally Concerned Citizens of South Central Michigan Epicocity Project **Everglades Coalition** 

Everglades Foundation Evergreen Land Trust Facing Climate Change

Fall Creek Productions Feeding the Problem Freshwaters Illustrated

Friends of the Bitterroot Friends of the North Fork

Friends of the River Galveston Bay Foundation

Galveston Baykeeper George Wuerthner Photography

Grand Canyon Trust Great Old Broads for Wilderness Great Works Regional Land Trust

Greater Arkansas River Nature Association Greater Grand Lake Shoreline

Association Gulf Restoration Network - LA

Heal the Bay How To Save A Mountain Humboldt Baykeeper

Idaho Concerned Area Residents for the Environment Idaho Conservation League

Idaho Rivers United Illinois Citizens for Clean Air and Water

Interfaith Center on Corporate Responsiblity International League of

Conservation Photographers International Rusty Blackbird Working Group

International Wow Company J Henry Fair, Photographer Jackson Hole Conservation Alliance

Iane O'Holly Productions John Coleman Johnson Creek Watershed Council

Lava Lake Institute for Science and Conservation

Lenz Photography Los Padres ForestWatch Louisiana State University Louisiana Universities Marine Consortium Marine Ventures Foundation Massachusetts Division of Marine

Fisheries Mexican Wolf Species Survival Plan Michael Forsberg Photography Midwest Environmental

ML Lincoln Films/Lines Across the Sand

Montana Land Reliance Mote Marine Laboratory

Conservation Initiative NarrativeLab Communications

National Geographic National Wildlife Federation

Association National Zoological Park

NBC News Nebraska Public Television

New Hampshire Audubon New Hampshire Fish and Game

Commission New Mexico Friends of the River Otter

New Mexico Wilderness Alliance New Mexico Wildlife Federation

Nicholls State University Nisqually Indian Tribe Northeast Wilderness Trust

Ocean Conservancy Open Space Institute Oregon Natural Desert Association

Our Ocean Pacific States Marine Fisheries Commission Pacific Wild

Peconic BayKeeper PennFUTURE Pioneers Alliance

The Freshwater Trust Maintenance Trust The Nature Conservancy in Maine Powder River Basin Resource Council The Nature Conservancy of

Vermont The Otter Project The Story Group

> The Wilderness Society TimeScience

Town of Provincetown, MA Trout Unlimited

Tulevome

Natural Resources and Environment University of New Orleans

Tavernier Science Center, Audubon

The Andrea Lawrence Institute for

of Florida

Teton Raptor Center

Mountains and Rivers

Urban Design Lab, Earth Institute

USDA Forest Service Uinta-

Utah Open Lands Valley Advocates for Responsible

Washington Wilderness Coalition Western Reserve Land Conservancy Western Resource Advocates

Western Rivers Conservancy Western Watersheds Project

Wetzel County Action Group White Mountain Conservation League

Wildlands CPR Winter Wildlands Alliance Wisconsin Rural Sustainability Soda Mountain Wilderness Council

Network Wolf Conservation Center

Wolf Haven International Woodie Wheaton Land Trust Southern Utah Wilderness Alliance Wyoming Outdoor Council

> Wyoming Stock Growers Ágricultural Land Trust

Wyoming Wilderness Association Stewards of the Lower Susquehanna

Advocates, Inc. Mono Lake Committee Mt. Agamenticus to the Sea National Wildlife Refuge Natural Resources Defense Council Nevada Wilderness Project New Jersey Meadowlands New York City Audubon New York State Assembly Northern Rockies Conservation Cooperative

Pale Morning Media Platte River Whooping Crane Provincetown Center for Coastal Studies Public Broadcasting Service (PBS) Restore America's Estuaries Rivers and Birds Rocky Mountain Raptor Program Sacred Headwaters, Sacred Journey Salem Sound Coastwatch Salmon Valley Stewardship San Bruno Mountain Watch San Diego Coastkeeper Santa Barbara Channelkeeper Santa Fe Conservation Trust Santa Monica Bay Restoration Commission Santa Monica Baykeeper Save Our Wild Salmon Coalition Save the Poudre: Poudre Waterkeeper Save the Scenic Santa Ritas Scot Miller, Photographer Sea Turtle Restoration Project Shattil/Rozinski Photography Sheepscot River Watershed Council Sierra Club Sierra Club of Canada Skagit Conservation Education Skip Armstrong Photography Sky Island Alliance Smithsonian Environmental

Research Center

Research Program

Society

Staying Connected VT

Surfrider Foundation

Tahoe-Baikal Institute

South Yuba River Citizens League

Steelhead and Salmon Conservation

Southern California Ecosystems

Tug Hill Tomorrow Land Trust University of New Hampshire, Dept University of Wyoming at Columbia University Wasatch-Cache National Forest Development Vermont Department of Fish and Wildlife

Conservation Partner Donors

Randy Smith Henry and Elsie Sorgenfrei

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### **TRIBUTE**

Reflecting their twin passions for aviation and the environment. John and Adrienne Mars of Jackson, WY enabled LightHawk to establish the Western Natural Heritage Initiative to harness the power of flight to preserve the biodiversity. landscapes and natural history of the American West.

In 2010, the Initiative funded LightHawk's work with 55 conservation groups in 11 western states to protect and restore wildlife habitat and migration corridors, promote and monitor wilderness and support private land conservation

# **2010 SUPPORTERS**

### Tailwind (\$20.000+

Appleby Foundation Anonymous (2) Elinor Patterson Baker Trust

Brainerd Foundation\*

Thomas W. Haas

The Otto and Phoebe Haas Fund at The Seattle Foundation

Jeff and Martha Hamilton

The William and Flora Hewlett Foundation

David and Gale Kunkel John and Adrienne Mars\* Curtis and Edith Munson Foundation\*

North Woods Wilderness Trust Northern Wings, Inc.

Oak Foundation\* Suzanne Parish, in honor of

Will Parish\* Resources Legacy Fund Foundation

Wiancko Family Fund Wolf Creek Charitable Foundation

\* Multi-year pledge commitment

### Wild Blue Yonder (\$10,000–19,999)

Island Foundation, Inc. Stephen and Evelyn Knaebel Gil and Marge Ordway

Hero (\$5,000 - 9,999)

Peter and Jane Carpenter The Linnemann Family Foundation Meyer Memorial Trust

Cloud Nine (\$2,000 - 4,999)

Butler Conservation Fund and Graham O. Harrison

The Robert A. and Margo H. Derzon Fund Patrick A. Dunigan Fund of The

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### Blue Sky (\$1.000 - 1.999)

The Beagle Foundation, an advised fund of Silicon Valley Community Foundation

Allan and Marilyn Brown Fund, an advised fund of Silicon Valley Community Foundation

Mark and Willow Follett, in honor of Steve and Jennine Follett Jim and Joan Harkins

Merrill G. and Emita E. Hastings Foundation

Josh and Becky Marvil Bruce and Suzanne McGregor

Michael Melford Robert J. and Kathrine M. Neveu Norcross Wildlife Foundation, Inc.

Catherine Anderson, in memory

Steve and Lisa Robertson Celia P. Taylor

### Sky Chief (\$500 - 999)

of Fletcher Anderson Anonymous (2) Arete Foundation Brownell Bailey Mary Ellen Bates Greg Bedinger and Jan Mulder Bright Futures Philanthropic Fund The Community Foundation of Herkimer & Oneida Counties, Inc.

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Elizabeth C. Winship

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Theodore Lyman Bernice C. Maertz Alan Marcum, in memory of Apollo 8

Hallie and Bill Metzger, in honor of Faran Savitz Kevin Moore Iane and Bill Nicolai

James M. and Louise Wilson Noyes Co-Pilot (Up to \$100)

Mose and Maren Orion Oppenheimer

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William Tanksley James Thompson, in honor of

Steve Knaebel Margot B. Unkel

Emily V. Wade Mary E. Walsh David Wild

Barbara J. Wilhite, in memory of Donald Wilhite

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Volunteer Pilot Roster as of July 7th, 2011

★ Volunteer Pilots flying missions in 2010 Retired as of 7/21/11



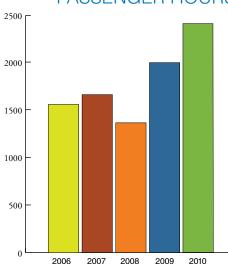




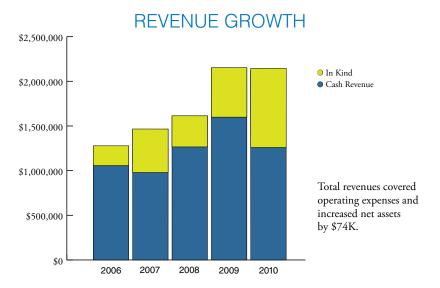




### PASSENGER HOURS

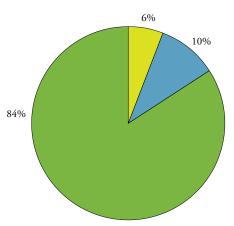


During 2010, LightHawk flew 2,466 passenger hours in support of our conservation partners. The direct economic value of these donated flights was \$790,000.



Number of passengers x mission flight hours.

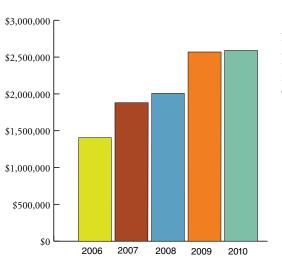
### PROGRAMMATIC EFFICIENCY



• General and Administrative 6%
• Fundraising and 10%
Development
• Program 84%

Charity Navigator awarded LightHawk its highest 4-star rating for efficiency and effectiveness for a second straight year.

### NET ASSET GROWTH



Net asset growth rate was 3% in 2010 contributing to a small but steady gain in building our one-year operating reserve.

# **Financial Statements**

### **Activities**

Year Ended December 31, 2010

### Support and Revenue

Individual Contributions	\$771,384
Foundation Contributions	. \$279,129
Donated Services and Materials (in-kind)	. \$858,797
Other Contributions	\$40,604
Other Revenue, Interest and Dividends	\$56,582
Realized and Unrealized Loss on Investments	\$71,546

### Total Support and Revenue...... \$2,078,042

### Expenses

•	
Program- LightHawk Costs	\$904,135
Program- Volunteer Pilot Donated Flights	\$662,254
Program- Volunteer Pilot Donated Fuel	\$127,582
Fundraising and Membership	\$174,100
Fundraising and Membership - Donated Services	\$22,500
General and Administration	\$105,184
General and Administration - Donated Services	\$8,700
Total Expenses	\$2,004,455
Change in Net Assets	\$73,589
Net Assets (deficit), beginning of year	\$2,590,051
Net Assets (deficit), end of year	

### **Financial Position**

December 31, 2010

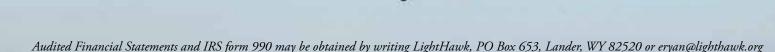
### Assets

### Liabilities

Total I	iabilities	\$145.839
Long-t	erm Debt	\$100,000
Accour	nts Payable	\$45,839

### **Net Assets**

Total Liabilities and Net Assets	\$2,809,479
Total Net Assets	\$2,663,640
Permanently Restricted	\$664,356
Temporarily Restricted	\$743,632
Unrestricted	\$1,255,652



# **Board of Directors**

Current as of Summer 2011. For biographical information, see www.lighthawk.org



Tuck Colby \* Treasurer Sarasota, Florida



New Hampshire



David Kunkel 🚜 Meeker, Colorado



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Greg Bedinger 🐣 Pilot Outreach Manager Bainbridge Island, Washington



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Dr. Brent Blue 🐣 Jackson, Wyoming Retired from the Board 6/10

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Terri Watson 🐣 San Rafael, California Retired from the Board 6/10



LightHawk donates flights in the United States, Canada, Mexico and Central America to accelerate the efforts of our conservation partners. LightHawk is supported by individuals, organizations and foundations who believe the aerial perspective can be a powerful tool to protect and preserve habitat and wildlife.

We invite your support and involvement. Please visit www.lighthawk.org/donate to learn more about ways to give to LightHawk, including our new planned giving program.



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LightHawk is a non-profit, tax-exempt 501 (c)(3) organization and has been given Charity Navigator's highest 4-star rating. FEIN 84-0852104