



SAGE REAL ESTATE CO.
PO Box 621
JULIAN, CA 92036

HOME IS WHERE
WE REST OUR
HEADS AND BUILD
OUR LIVES.

Great reasons to work with Sage -
Our track record, credentials & community support!



Redefining Stellar Views

For the Perfect View, Look Straight Up. For the Perfect Home, Look Us Up. Sage Real Estate Co.
760.765.1776

OFFERING REAL ESTATE SALES AND PROPERTY MANAGEMENT SERVICES

SageREALESTATECO.com

info@SageRealEstateCo.com

Corner of 4th & B Streets, Julian, CA 760.765.1776

The Sage Team:

Juli Zerbe, Broker/Owner, CalDRE Lic. #01238746; • Joe Hutchinson, Agent, CalDRE Lic. #01278500;
Carre St. Andre, Agent, CalDRE Lic. #01878143; • Julie Degenfelder, Agent, CalDRE Lic. #02078284;
Patti Thornburgh, Agent, CalDRE Lic. #02081055

THE JULIAN Sage

Community
August 2019

Lifestyle

Home
Volume 7



Julian Area Agents Get Better Results

You've decided to sell your home and are ready to look for a listing agent to work with. There are so many to choose from and you are not sure who to turn to or where to start. Do you go for that big name company down the hill, or do you look to a local real estate company?

(Continued on Page 3)

Kevin Wixom Photography

Cover Photo by
Kevin Wixom Photography

Who are the Stars at Sage Real Estate Co.?



Juli Zerbe, Broker, Owner

When I look at the stars.....

There is an overwhelming sense of wonder that compels me to contemplate how far away they are, how far space goes, how there really is no "up," who else is wondering and watching the same bunch of stars, and if there are other beings out there. I watch and watch for UFOs. I feel a sense of hugeness that

makes most of my seemingly big problems miniscule. Sometimes sadness sneaks in as I miss loved ones who are gone. Looking at the stars somehow gives me "space" to reflect, think, feel and wonder. Something that rarely happens in an often too busy life. And I love the black silhouettes of the mountains against the dark sky.

CalDRE # 01238746

Advice from the Milky Way

Follow your own path

Give yourself some space

Pull yourself together

Have a stellar attitude

See the big picture

Stay full of wonder



Congratulations to Nancy Yale, winner of our "Find the Butterfly" contest from the February 2019 issue! Check out this issue's hidden picture contest!

FIND THE TELESCOPE CONTEST

Hidden in this issue is a telescope, identical to the one to the right. Find the telescope and send Sage your name, contact information and location of the telescope to info@sagerealestateco.com. If you have the correct location, we will put your name in a drawing for a Gift Basket. The drawing will be held September 30, 2019. The winner will be notified via the email address given. Email addresses received will be added to our email list.



Sage would like to give special thanks to Kevin Wixom Photography for allowing us to use his wonderful Volcan Mountain night photo (below and on the cover) in our newsletter. See more of his work at www.kevinwixomphotography.smugmug.com.



Kevin Wixom Photography

(Continued from cover)

Local agents know and understand the uniqueness of the Julian and Santa Ysabel housing market and economic influences on the local market. Many times out-of-area listing agents never come to the Julian area and will even contact local agencies asking for assistance in showing their listings to avoid using their time coming up the hill. Knowledge of the Julian area is just one of the advantages of listing your Julian/Santa Ysabel area home with a local agent.

From January 1 to June 30, 2019, 36 homes sold in the Julian and Santa Ysabel areas. Julian area agents represented 24 of the listings sold of the 36, while out-of-area agents represented 12 of the sold listings, giving local agents 67% of the local market share. The following are statistics for only the Julian/Santa Ysabel markets and do not include any transactions by local agents or brokerages that occurred outside of the 92036 and 92070 markets.

Listing Brokerages with Sales in 92036 & 92070 From Jan 1 to June 30, 2019	# Listings 92036 & 92070	% of 92036 & 92070 Listings
Orchard Realty	8	33.3%
Sage Real Estate Co.	6	25.0%
Red Hawk Realty	5	20.8%
Julian Realty	2	8.3%
Sprague Realty	1	4.2%
Allison James Estates & Homes	1	4.2%
Berkshire Hathaway HomeServices	1	4.2%

When it comes time to sell your home, it makes sense to list with a Julian area agent. Knowledge of neighborhoods, pride in community and love of the mountains all play a part in how Julian area agents work. Local agents use methods of promoting area homes in several ways. One of the most significant is the monthly caravan when local agents visit area properties as a group to view the homes and learn what is on the market. Local agents communicate with each other on properties and work better with each other for the good of their clients. They know and understand the challenges and benefits of living in the Backcountry and how to manage issues. They also take pride in the community and strive to be supportive of the businesses, organizations and people in the community. Give Julian area agents the opportunity to work for you in your venture to sell your home.

For helpful questions to ask when interviewing listing agents, please scan the QR code on the right or visit our website blog page:



SageRealEstateCo.com/2019/08/interviewing-a-listing-agent.

Why List With A Sage Agent?



Selling your Backcountry home is a big decision. You want the best result for your effort. You need someone who will represent you and be there for you during the process. Who better to sell your home than someone who knows the area and local the market! Who better than a Sage Real Estate Co. Agent?

Sage agents are here for you when you need us. We live in Julian. We know the area. We have a vested interest in the community. We support local businesses and organizations. We represent our clients with pride and dedication. We are proud our community and thankful to be a part of it.

At Sage Real Estate Co., we work as a TEAM, so our clients get the dedication and support of all our agents for the "price" of a single agent. There is no competition between agents in our office. Each team member brings in specialized abilities to make selling your home as trouble-free as possible. Juli Zerbe, our broker, leads and guides the team with abundant experience, professionalism and compassion. Carre St. Andre is our Certified Negotiation Expert, bringing specialized training, knowledge and experience to the table to obtain the best outcome for each client. Julie Degenfelder serves as our Client Resource Specialist, bringing her business background into play in ensuring all the "I's are dotted and the T's are crossed." Patti Thornburgh creates the individual marketing plan for each listing, as well as produces the Julian Sage Newsletter and maintains the website.

When it comes time to list your home, give Sage Real Estate Co. a call and let the Sage Team work for you.

Call us at 760.765.1776

or email us at:

info@SageRealEstateCo.com



Patti Thornburgh, Agent, Marketing Specialist

Growing up in South Texas, I took seeing the Milky Way and stars for granted. It just never dawned on me places existed where stars just disappeared because of city lights. Once I moved from Texas, I suffered a rude awakening when I looked up at the night sky. Most of the stars were gone! The Big Dipper and North Star were visible, but the stars around them weren't. I missed the beauty of the star filled night sky and the thought inspiring Milky Way. Living in Julian has brought back the awe, magic and wonderment I felt as a child looking at the night sky. The beauty and mystery of the galaxy and the universe give me hope for the future.

CalDRE # 02081055





Carre St. Andre, Agent, Negotiation Expert



After a long day in town, I'm always grateful to get home and see the stars. It puts everything in perspective and takes away the claustrophobic feeling of the city. CalDRE # 01878143

"Our Sun is a second- or third-generation star. All of the rocky and metallic material we stand on, the iron in our blood, the calcium in our teeth, the carbon in our genes were produced billions of years ago in the interior of a red giant star. We are made of starstuff." - Carl Sagan, The Cosmic Connection

NOT SELLING?

SAGE REAL ESTATE CO.

OFFERS PROPERTY MANAGEMENT SERVICES

Are you considering renting your house? We can help! We offer:

- Effective Rental Advertising
- Thorough Tenant Screening
- Helpful Exterior Monitoring of Rentals
- Timely Electronic Payments

We strive to protect your investment and build your equity while Providing a courteous professional experience for you and your tenants.

Call Carre at 760-765-1776.

Not going to rent? We will maximize your profits on a sale!

WHEN YOU WORK WITH SAGE REAL ESTATE CO. YOU HELP US SUPPORT THE:

American Legion Auxiliary Post 468

American Legion Post 468

Community Heritage Foundation

Friends of the Julian Library

Jess Martin Park

Julian Architectural Review Board

Julian Arts Guild

Julian Businesses and Community

Julian Chamber of Commerce

Julian Country Christmas

Julian Cuyamaca Resource Center/CERT/Teen CERT

Julian Daffodil Project

Julian Dark Sky Network

Julian Elementary, Junior High and Senior High Schools

Julian FFA

Julian 4th of July Parade

Julian Girl Scouts

Julian Historical Society

Julian Pioneer Museum

Julian Triangle Club

Julian Warriors and Survivors

Miss Julian Pageant

Out on a Limb Animal Sanctuary

Sons of the American Legion Post 468

Volcan Mountain Foundation

HOMES SOLD IN THE 92036 & 92070 ZIP CODES FROM JAN. 1 - JUNE 30, 2019 (Green Highlights Denote Sage Representation)		
Property Address	Sold Price	Days on Market
7005 Great Southern Overland	\$105,000	37
7376 Great Southern Overland	\$159,000	22
2769 Salton Vista	\$240,000	130
1313 Canyon Dr	\$255,000	22
2275 Sunset	\$270,900	56
1879 Porter Lane	\$272,500	0
3520 Luneta	\$305,000	130
916 Manzanita	\$325,000	0
3205 Salton Vista Dr	\$340,000	112
4878 Belvedere Dr	\$340,000	77
2855 Heliotrope	\$345,000	167
4040 Cedar Dr	\$355,000	139
4473 Luneta Dr	\$369,000	3
34667 Navajo	\$388,500	124
924 Valley View	\$390,000	37
1777 Whispering Pines Dr	\$399,000	43
1606 Springview	\$400,000	109
5225 Grandview Rd	\$419,000	16
3740 Lakeview Dr	\$424,000	5
27153 Hwy 76	\$479,000	215
1305 Lakedale Rd	\$480,000	242
3255 Pine Hills Rd	\$480,000	149
850 Knob Hill Dr	\$490,000	64
4819 Pine Ridge Av	\$498,345	171
4917 Glenside Rd	\$539,000	266
3090 Blue Jay	\$544,000	96
1220 Sunrise Dr	\$582,000	40
3119 Blue Jay Dr	\$600,000	10
3940 Lazy Jays Way	\$600,000	28
4763 Meadowridge Rd	\$645,000	123
9474 Black Mountain Trk Trl	\$700,000	288
4104 Eagle Peak Rd	\$720,000	8
4730 Quiet Oaks Tr	\$749,000	17
25350 Mesa Grande Rd	\$775,000	108
16171 Martin Ridge	\$800,000	0
2716 Frisius	\$915,000	263

Did you know that San Diego County has an outdoor lighting ordinance which requires most outdoor lighting to be fully shielded? This means the light fixtures are covered, focused or constructed so the light shines down, not up or outward.



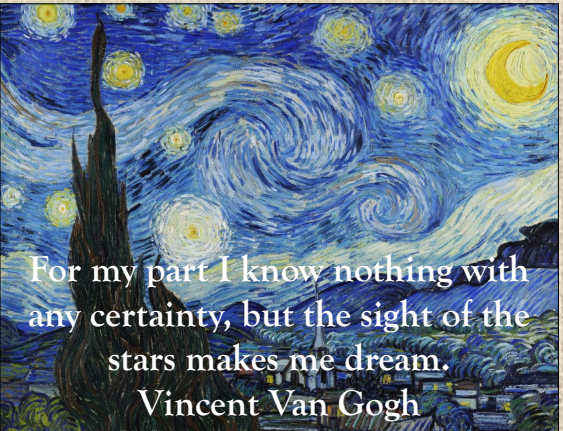


Julian Dark Sky Network

The Julian Dark Sky Network is a group of volunteers dedicated to help promote the preservation and enjoyment of Julian's night sky. Borrego Springs was granted Dark Sky Community Status in 2009. With Borrego Springs as well as Palomar Mountain, Mount Laguna and The Anza-Borrego State Park so near to Julian, it is logical to keep the Julian sky dark as well. The Julian Dark Sky Network holds dark sky events throughout the year, including a Star Party at William Heise Park on Nov. 2. Previous events include "Nightscape Photography Workshop" hosted by Kevin Wixom, Volcan Mountain Hike and Star Party on July 4 as well as star parties at various locations throughout the local area as well as Julian Natural Wonderfest. JDSN also has a loaner telescope program. For more information, please visit their website at www.JulianDarkSkyNetwork.com.

Lake Cuyamaca Night Photo (above) by Kevin Wixom Photography.

www.kevinwixomphotography.smugmug.com



For my part I know nothing with any certainty, but the sight of the stars makes me dream.
Vincent Van Gogh

Julie Degenfelder, Agent, Client Resource Specialist

One of the greatest gifts of living in Julian are the stars that present themselves to us almost every night. There are many reasons we are lucky to live in Julian, the dark skies that lead to the most brilliant sparkling stars are of the best this mountain has to offer. It was never fun to be woken by a dog in the middle of the night to go out, until I used it as a time to connect with the Universe and give thanks to the amazing night skies above!



CalDRE # 02078284



Enjoy Stargazing from Our Featured Properties

Treasure Beautiful Views And Off-Grid Living

Do you have what it takes to live off-grid? Then check out this 1,041 SF Cuyamaca Woods home. Forget

those high electric bills with this solar powered, well-maintained manufactured home on a permanent foundation. A propane refrigerator reduces the pull from the solar power system. A split bedroom design with 3 bedrooms and 2 baths give privacy. Sitting on 2.56 acres, the panoramic views can be spectacular, with the Pacific Ocean visible on clear days. There's even a small fenced back area, great for an outdoor sitting area or small pets. Offered at \$285,000.



Did we mention off-grid???

Value Your Space Inside and Out

Relax on the deck watching the local wildlife or go inside and enjoy the peaceful indoors of this roomy 2,197 SF home. Situated on 2.12 forested acres in the desirable Pine Hills area, this wonderful private mountain home is ready for you! The lovely vaulted ceilings, grand used-brick fireplace and open floor plan are just a few of the marvelous features. Outside you will find a huge wrap-around deck perfect for enjoying the outdoors and a detached garage with space for a workshop.



This property also has a dog run, horseshoe pit, mature oaks and daffodils. There is even a new roof and garage door, as well as a recent paint job. Offered at \$498,000.



Did we mention space???



Live Large in a Tiny Home

Are you looking for a little home with real home features? This one-room Pine Hills cabin is just waiting for you. Tucked in Pine Hills, this quiet, peaceful 512 SF hideaway has a true full bathroom, laundry area, comfortable-sized kitchen, back patio,

front deck and Tuff Shed. This tiny home has been tastefully remodeled from the floors to the ceilings. An attractive rock fireplace is the centerpiece of the home. Large dual pane windows and deck provide a scenic interface with nature. Wild birds and deer are a daily treat. Offered at \$274,900.

Did we mention Tiny Home???



HOME IS WHERE WE REST OUR HEADS AND BUILD OUR LIVES.

Enjoy a Peaceful Life Among the Oaks

Imagine a peaceful life in this cheery 1,600 SF home. Nestled among mature oaks, this 3 bedroom, 2 bath home has an air of privacy while still being close enough to historic downtown Julian to enjoy the charms of the delightful shops and cafes. Situated in Kentwood-in-the-Pines, the 0.23 acre lot has bountiful shade for enjoying summer days as well as summer evenings.

An open floor plan provides an open atmosphere while large dual pane picture windows and skylights present this turn-key home with a feeling of peace and tranquility. Offered at \$349,000.

Did we mention shade???





Sage Land Under the Stars

ENJOY 360° VIEWS ON THIS PRIVATE 8.5 ACRE PARCEL!



Located on a paved road in Harrison Park, this unimproved parcel combines privacy and unsurpassed views, making it one of the best vacant areas available in the Julian area today. A gentle slope up to the heart of the parcel reveals a flat knoll, providing views in every direction. You'll be hard-pressed to find a more agreeable location for your mountain home. Offered at \$149,000.



EMBRACE THE VIEWS OF LIFE IN THE MOUNTAINS!



Panoramic views from this 10-acre off-grid parcel range from the local mountains all the way to Mt. San Jacinto! Owners have had a new 30 gallon-per-minute well with pressure tank put in. There is also a 10,000 gallon storage tank, hydrants and irrigation lines on the property. Much of the property is terraced, making it more suitable for many projects or ventures, such as an orchard, vineyard, horses, and so on. Property also has a graded and improved road and large building pad. Building site plan is available. Come enjoy the privacy of Harrison Park, while still being nearby to both Julian and Lake Cuyamaca. Offered at \$189,000.



OWN THE NICEST PIECE OF AGRICULTURAL LAND FOR SALE IN JULIAN



Designated as an agricultural preserve under the Williamson Act, this property holds the extra appeal of a major property tax reduction. This is truly the most beautiful parcel available in Julian and possibly all of San Diego County. It just can't get any prettier. Offered at \$469,000.

This beautiful 13.81 acre property is 100% useable rolling meadow land in the Pine Hills area. The property is prime for apples, cherries, grapes, peaches, pears, and hops. Many Julian apple trees in need of TLC are in the old orchard. There is a power feed that supplies the 75 GPM well, outbuildings and a motorhome site. Views are spectacular and include sunset landscapes to the southwest, Volcan Mountain to the north, picturesque adjacent rolling ranch land as well as the dramatic three peaks of Cuyamaca to the south.



SAGE FEATURED BUSINESS: ALPINE PHYSICAL THERAPY AND WELLNESS CENTER, INC./JULIAN FITNESS CENTER JULIAN'S PLACE TO GET YOUR FIT ON

Are you looking for excellent personal fitness training or exceptional physical therapy in Julian? Then it's time you discovered the **Alpine Physical Therapy and Wellness Center/Julian Fitness Center** at 2216 Main Street, Julian.

Matt Kraemer PT opened the Alpine office of the APTWC in 2002. When interviewing prospective physical therapists in 2003, he saw the chance to open an office in Julian and took the chance. After the 2003 Cedar Fire claimed the home of the newly hired physical therapist, Matt started commuting from Alpine to Julian to cover the physical therapist duties and was hooked on Julian. In 2009, the **Julian Fitness Center** was added, giving area residents access to professional grade fitness equipment and personal training as well as continuing physical therapy. Services now also include massage therapy. APTWC takes most insurances.

Matt, a graduate of California State University, Long Beach, interned with the Oakland Athletics before continuing his education to become a Board Certified Specialist in Neurologic Physical Therapy. Some of Matt's favorite things about Julian include the eclectic mix of people and how people go out of their way to care for others.



2216 Main Street, Julian
760.765.0806

aptwc.com

*"Physical Therapy and Massage Therapy
Available by appointment."*

Fitness Center Hours:
Monday - Friday: 7 AM to 7 PM
Saturday: 7 AM to 2 PM
Sunday: 7 AM to 11 AM
Check ahead for holiday hours.

"Only in the
darkness can you see the stars."
- Martin Luther King Jr.

Joe Hutchinson, Agent

My favorite night sky is on the full moon. I love watching it come up and watching the moon shadows cast by the terrain on Granite Mountain. I spend a lot of time in the desert enjoying the full moon as it rises over the hills.

CalDRE # 0128500



IN YOUR BACK YARD: DAY TRIP IN THE BACKCOUNTRY PALOMAR OBSERVATORY

Palomar Observatory, located on Palomar Mountain, is a star in the San Diego Backcountry. The research observatory, owned and operated by Caltech, houses three working telescopes. Open to the public nearly daily from 9 AM to 3 PM, Caltech requests visitors check their Public Information Recording by calling 760.742.2119 for updates and closures before making the trip to the observatory. Guided tours are offered on weekends from April to October and are on a first come, first serve basis. No children under the age of 5 are admitted on guided tours. Tickets are sold in the gift shop. For more information on the Palomar Observatory and planning your trip, check their website:

www.astro.caltech.edu/Palomar





VOLUNTEER SPOTLIGHT:
BOBBI ZANE

Julian is a community filled with people of many talents, walks of life and interesting lives. They are in the background of so many aspects of Julian but our lives are so busy we seldom see or know about them. One such person is Bobbi Zane.

Bobbi Zane was born in New York and raised in Hollywood. She went on from graduating Hollywood High School to studying journalism at USC, graduating in 1960. Her journalist experiences include being a travel writer for Fodor's Travel Publications, with over 30 publications under her belt. She was managing editor for Trailer Life Publications and eventually had her own periodical, Yellow Brick Road: Insight for Aspiring Innkeepers. She has also been a contributing journalist for The Julian Journal, which her knowledge of Julian was a great help in establishing the Journal as a local community newspaper.

After graduating USC, Bobbi and her (late) husband Greg Sallee would go camping in the Julian area with friends. Eventually, the friends all found themselves living in Julian. Bobbi and Greg built their home in the mid-1990s. Bobbi wanted to be involved in the Julian community and has since been part of the Julian 4th of July Parade Committee, Julian Architectural Review Board, Julian Chamber of Commerce/Merchant Association and the Julian Community Services District, just to name some. She credits Dana Pettersen with getting her involved in so many of the aspects of the community. When asked what her favorite part of living in Julian is, Bobbi's reply was simply, *"There is always somebody there to support you."*



Did You Know?
The Milky Way Galaxy cannot be seen by 80% of the North American population?

Ways You Can Check Your Lighting to Support a Dark Julian Sky

Tips for Residential and Business Lighting

1. Personally inspect your regular lighting condition at night. See how much area is lit. Check from your neighbors' point of views. Does the lighting invade their space?
2. Fully shield lights on top and to the sides to keep light pointed downward only, not outward or upward. Be aware of the glare zone.
3. Only light where it is needed and when it is needed. Be mindful of how glare and light trespass from your lighting affects your neighbors and community.
4. Install motion sensors on outdoor lighting fixtures. Check and adjust sensor to prevent lights from coming on unnecessarily. Adjust direction to point downward, not outward or upward.
5. Ask local business owners to dim after-hour signage and turn off lights to prevent glare and light clutter.
6. Try using red, yellow or amber lighting to help reduce glare and light trespass at night.
7. Contact your local representatives and let them know how important the dark sky is and ask what they are doing to help preserve it.
8. Support your local dark sky network, such as The Julian Dark Sky Network (www.JulianDarkSkyNetwork.com)
9. Learn more about how lighting affects you and your environment at www.darksky.org



Sage Real Estate Co.
(A different kind of real estate company.)
We are honest and work with the highest integrity and standards.

We are innovative, use current technology and professional photography to market our listings.

We are residential real estate experts; skilled at negotiation, risk management, staging, contracts, and disclosures.

Sage is caring and personal.

Sage agents are continuously mentored by the broker.

We have high educational standards for our agents and we freely share our real estate knowledge.

We actively support the communities we work in.

We believe that "home" and environment are key to happiness and a fulfilled lifestyle.

We strive at all times to find win-win situations for sellers and buyers as both move toward their desired lifestyle.



Will Someone Turn Off Those Lights?

The movement against pollution in our country has been an ongoing crusade. Air, water and noise pollution are issues we face or hear about on just about a daily basis. Yet there is one type of pollution that is harmful to our health as well as the environment that we seldom, if ever, hear about. The offending pollutant? Artificial lighting.

Artificial lighting is any lighting that is not natural light, from a candle to a flood light. Artificial lighting itself is not the real culprit. It is the use and misuse of artificial lighting. We over-use lighting and do not even consider how it affects others or the environment. Consider a light by a front door at a home or a business. It lights up the entry way so people can see to safely get to the door. Many times the light is turned on before dusk and off after dawn. Now, consider how much that light is truly needed as compared to how long it is left on. It is a waste as well as a nuisance. It may help us find our way to the door, but it can also be blinding to others.

The all-night light has many negative impacts. First, the light uses unneeded energy, taking money from your pocket and putting it in the electric company's pocket. Secondly, that light at the door may just be the illumination that the prowler across the street needs to be able to do his bidding. Thirdly, unneeded light output can be intrusive to neighbors. Maybe the residents across the street don't enjoy having that light shining into their home. Maybe it is even blinding to them. Artificial light also has an influence on the wildlife around you. Nocturnal animals can become mixed up by lights, not being able to tell if it is day or night. Predators use the light to hunt easier because their prey loses the cover of darkness they normally hide in. Some birds use light from the moon and stars to navigate. Artificial lights often cause them to go off course, resulting in missed destinations, food sources and breeding grounds. Amphibians are impacted as artificial lights interfere with their breeding habits, resulting in shrinking populations. Have you ever wondered where the frogs have gone?

Most importantly, artificial light pollution affects your health. The human body adheres to a 24-hour pattern, governed by the day-night cycle. Artificial light disrupts the pattern, causing adverse health issues such as depression, sleeplessness, obesity, diabetes and is even associated with some cancers. The American Medical Association has even issued a report on the effects of artificial lighting. (*"Human and Environmental Effects of Light Emitting Diode Community Lighting,"* AMA, 2016)

There are ways to be a better neighbor, a safer and more frugal homeowner and help the natural world around us while still using artificial light. As stated previously, it is the use and misuse of artificial lighting causing the damage. It is up to us to fix the issue. Of all the pollution problems, light pollution is probably the easiest for each of us to control as individuals.

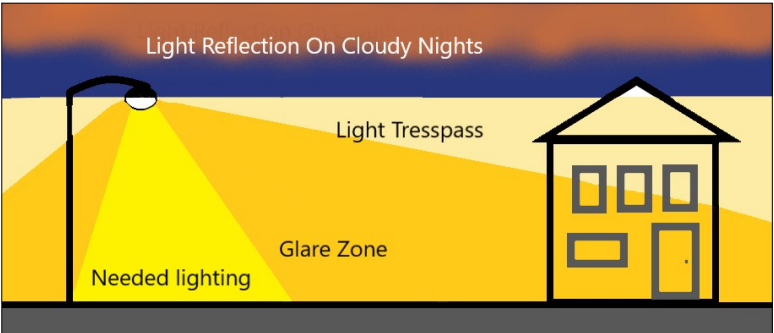
To make a change, we must understand what artificial light pollution entails:

- Glare: Too much illumination causes visual discomfort.
- Skyglow: Illuminating of the night sky over highly populated or industrial areas.
- Light Trespass: Light falls outside of needed area.
- Light Clutter: Bright, confusing and extreme groupings of artificial lighting.

When a light comes on, the glow extends in all directions, including upwards, unless it is controlled using a shield. The shield can divert the light to a specific location, reducing the light trespass and glare. (Just think of a shield like a lamp shade; it reduces the glare of the light.)

Artificial lighting adversely affects the natural environment in ways we have just begun to understand. Light pollution can be controlled and reversed with near instant benefits. Here are things you can do at your home or business to combat light pollution:

- Use lighting only when you need it and where you need it, whether at home or at a business. Turn off lights when you leave a room or area. Do not leave lighting on throughout the night or make sure it is well shielded, shining only to the specific area where it is needed.
- Close blinds and curtains in the evening and at night to keep the artificial light inside.
- Use fewer lights, especially when using LEDs. LEDs may be energy-efficient, but the blue (short-wavelength) light they emit has a broader range than standard red (long-wavelength) light, even when shielded. (A good example of this is comparing LED car headlights to normal car headlights.)
- Shield outdoor lighting to keep it pointed in a downward direction and minimize glare zone and light trespass.
- Install motion detectors and timers on outdoor lighting and keep time used to a minimum.
- Be mindful of how your lighting affects both your neighbors and the natural world around you.
- Educate yourself on the health and environmental effects of artificial lighting.
- Join or support a local dark sky organization (such as Julian Dark Sky Network: www.JulianDarkSkyNetwork.com).



The illustration shows how artificial lighting goes beyond the area needing light to illuminate and intrude upon other areas, including reflecting down from the clouds.



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