

# MARIN COUNTY

## STORMWATER POLLUTION PREVENTION PROGRAM

# CALENDAR 2009

PARTIALLY FUNDED BY A GRANT FROM THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN!

THE CHOICES YOU MAKE...

# Make a World of Difference

## CHOOSE A BAY-FRIENDLY LANDSCAPER!

BAY-FRIENDLY LANDSCAPING IS A HOLISTIC AND SUSTAINABLE APPROACH TO LANDSCAPING THAT FOSTERS SOIL HEALTH AND CONSERVES WATER AND OTHER VALUABLE RESOURCES WHILE REDUCING WASTE AND PREVENTING POLLUTION.

IN APRIL 2008, THE FOLLOWING MARIN LANDSCAPERS GRADUATED FROM THE FIRST 20-HOUR "BAY-FRIENDLY LANDSCAPE TRAINING" SPONSORED BY MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM AND MARIN MUNICIPAL WATER DISTRICT IN COOPERATION WITH THE MARIN ART AND GARDEN CENTER AND THE COLLEGE OF MARIN.

THESE LANDSCAPERS CAN HELP MAINTAIN A SUSTAINABLE LANDSCAPE THAT PROTECTS LOCAL RESOURCES – INCLUDING OUR CREEKS AND OCEAN AND SAN FRANCISCO BAY!



**ARDEN MARTIN, CONTRACTOR**  
415-485-5747  
WILLIAM MARTIN

**HAMLIN LANDSCAPE IRRIGATION**  
415-479-0701  
MAC HAMLIN

**NATURAL LANDSCAPES**  
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415-460-9710  
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**HERITAGE LANDSCAPES**  
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ANTONIO ESCOBAR  
DAVID GROSS  
JAN GROSS  
MARIO COSCARELLI  
MOISES PEREZ  
ERIC HUDSON

**NORTH BAY LANDSCAPE MGMT.**  
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KAREN DOTY

**BUCHHOLZ LANDSCAPING CO. INC.**  
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**JASMIN LANDSCAPE**  
415-382-0385  
ARIE REDLICH

**O'CONNELL LANDSCAPE**  
415-462-9729  
VIRGINIA O'CONNELL

**BRIAN RACETTE LANDSCAPE DESIGNS**  
415-499-1254  
BRIAN RACETTE

**JOHNSON'S TREE AND GARDEN**  
415-860-3064  
ANDREW JOHNSON

**RED BIRD**  
415-897-3548  
HY FISHMAN

**CAGWIN AND DORWARD**  
415-517-0804  
VALERIE HINSHAW

**MARIN GARDENER**  
415-497-8586  
DEMETRIOS SGOUROS

**REED UNION SCHOOL DISTRICT**  
415-559-8109  
MIKE CHITWOOD

**S. JORDAN LANDSCAPING**  
415-331-8616  
SUSAN JORDAN

## 300 MILES A GALLON? STAY TUNED

APTERA MOTORS (CARLSBAD, CA) HAS INTRODUCED AN ALL-ELECTRIC MODEL WITH A RANGE OF 120 MILES, WHILE THE PLUG-IN SERIES HYBRID HAS ACHIEVED MORE THAN 300 MILES PER GALLON WITH A RANGE OF MORE THAN 600 MILES. BOTH VERSIONS ARE LOADED WITH SAFETY FEATURES. AND IT GETS EVEN BETTER: THE CAR FEATURES THREE WHEELS, MAKING IT ELIGIBLE FOR MOST CARPOOL LANES, EVEN WITH ONLY ONE PERSON IN THE VEHICLE. LEARN MORE AT [WWW.APTERA.COM](http://WWW.APTERA.COM)



AND WHAT ABOUT PLUG-IN HYBRIDS? IT'S LIKE HAVING A SECOND FUEL TANK THAT YOU ALWAYS USE FIRST – ONLY YOU FILL UP AT HOME FROM A STANDARD SOCKET AT AN EQUIVALENT COST OF LESS THAN \$1/GALLON. LEARN MORE AT [WWW.CALCARS.ORG/VEHICLES.HTML](http://WWW.CALCARS.ORG/VEHICLES.HTML)

OTHER ECO-FRIENDLY OPTIONS INCLUDE HOLDING ON TO THE CAR YOU HAVE BUT CONVERTING IT TO RUN ON VEGETABLE OIL! FIND OUT MORE AT [WWW.BIOBLING.COM](http://WWW.BIOBLING.COM) – A SERVICE THAT CONNECTS CONSCIOUS PEOPLE TO GREEN CARS AND CLEAN RENEWABLE FUELS TO RUN THEM.

## DON'T BE AFRAID OF SOMETHING THAT'S DIFFERENT!



Photo: Ed Ross

THIS WEIRD-LOOKING CREATURE IS ACTUALLY THE LARVAL STAGE OF THE MOST LOVED AND RECOGNIZED INSECT EVER – THE LADYBUG! UNFORTUNATELY, PEOPLE OFTEN MISTAKE IT FOR A PLANT-EATING PEST AND KILL IT! WHEN THAT HAPPENS, A NATURAL FORM OF PEST CONTROL IS GONE BECAUSE LADYBUGS – IN THEIR ADULT AND LARVAL FORM – EAT

LARGE NUMBERS OF PESTS LIKE APHIDS, SCALE, THRIPS, MEALYBUGS, AND SPIDER MITES. LEARN WHAT OTHER BENEFICIAL INSECTS, LIKE THE LADYBUG, LOOK LIKE IN THEIR DIFFERENT STAGES OF DEVELOPMENT BY REQUESTING A FREE COPY OF THIS BROCHURE:

**"THE 10 MOST WANTED BUGS IN YOUR GARDEN!"**



FISHPHONE



**ECOTONE LANDSCAPE SOLUTIONS**

415-819-1939  
JASON OLIVOTTI

**EDGER LANDSCAPE DESIGN**

415-328-7772  
CATHY EDGER

**EQUINOX LANDSCAPE**

415-456-6480  
ALEXIS HALBERT  
PATRICK PICARD

**GARDEN AND GABLES**

415-499-0331  
DAVE PHELPS

**GILLIAN BOLTER FINE GARDENING**

415-407-0224  
GILLIAN BOLTER

**GONZALES LANDSCAPING**

415-246-5951  
LUIS GONZALES

**MARIN LANDSCAPE AND MAINTENANCE**

415-250-2772  
WILL ROSS

**MARIN MUNICIPAL WATER DISTRICT**

415-945-1520  
MARK GUTHRIE  
ROBIN MCKILLOP

**MARIZCO LANDSCAPE MANAGEMENT**

707-546-9100  
JENNIFER KIELAR

**MC DERMOTT ART AND LANDSCAPING**

415-342-3507  
TRACY McDERMOTT

**MILL VALLEY GARDEN DESIGN**

415-302-3579  
MARY TANNER

**SCANDIA LANDSCAPING**

707-996-7298  
CONNY GUSTAFSSON

**SHADES OF GREEN LANDSCAPE ARCH.**

415-332-1485  
IVE HAUGELAND  
TYLER MANCHUCK

**TOWN OF ROSS**

415-453-8287 EXT. 163  
ROBERT MACCARIO

**U CHANG SHIM GARDEN DESIGN**

415-892-8364  
U CHANG SHIM

**VALLEY LANDSCAPE GARDENER**

415-342-5349 EXT. 2  
FLORENCE SCHNEIDER

**WAVE HILL LANDSCAPING**

415-408-8301  
STEPHEN HANSON

**MCSTOPPP  
415-499-6528**

WWW.MCSTOPPP.ORG  
EMAIL: MCSTOPPP@CO.MARIN.CA.US

MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM (MCSTOPPP) IS COMPRISED OF 11 CITIES/TOWNS AND THE COUNTY UNINCORPORATED AREAS. SINCE 1993, THE PROGRAM HAS WORKED TO PROTECT AND ENHANCE THE WATER QUALITY IN OUR CREEKS AND WETLANDS.

PROJECT MANAGER/EDITOR: GINA PURIN  
PROJECT SUPPORT: JENNIFER LUEDER  
DESIGN: ROSS-CAMPBELL, INC., SACRAMENTO, CA  
PRINTING: P & B PRODUCTIONS, SAN RAFAEL, CA



PARTIALLY FUNDED BY THE CALIFORNIA WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN!

WONDERING IF THE FISH YOU'RE ABOUT TO BUY IN THE STORE – OR ABOUT TO ORDER IN THE RESTAURANT – IS SUSTAINABLE? WONDER IF IT CONTAINS MERCURY OR PCBs? FISHPHONE INSTANTLY PUTS INFORMATION AT YOUR FINGERTIPS THROUGH TEXT MESSAGING. TEXT MESSAGE "FISH" FOLLOWED BY THE NAME OF THE FISH YOU WANT TO KNOW ABOUT (E.G., FISH COD OR FISH TILAPIA OR FISH ORANGE ROUGHY). SEND THE MESSAGE TO 30644 AND YOU'LL RECEIVE A RESPONSE WITHIN SECONDS. OR, GO TO [WWW.FISHPHONE.ORG](http://WWW.FISHPHONE.ORG) TO DOWNLOAD A COPY OF THE FISH GUIDE.

**THANKS TO OUR LONG-TERM PHOTOGRAPHERS**

FOR THE LAST FIVE YEARS, TWO PHOTOGRAPHERS HAVE PROVIDED THE MAJORITY OF PHOTOS USED IN THE MCSTOPPP CALENDAR. WE ARE VERY GRATEFUL FOR THEIR GENEROUS CONTRIBUTIONS.



**CRAIG SOLIN** HAS BEEN A NATURE AND WILDLIFE PHOTOGRAPHER FOR THE PAST 20 YEARS. BORN AND RAISED IN NORTHERN CALIFORNIA, HE HAS SPENT COUNTLESS HOURS IN THE MARIN AND SONOMA HILLS STUDYING THE CHANGE OF SEASONS IN WAYS THAT MOST PEOPLE NEVER SEE. CRAIG HAS TRAVELED ALL OVER THE WESTERN UNITED STATES AND HAS TRIED TO CAPTURE IMAGES THAT MIGHT HAVE BEEN SEEN BY LEWIS AND CLARK AND THE NATIVE INDIANS BEFORE INDUSTRIALIZATION.

HE IS AN OPEN SPACE RANGER FOR THE COUNTY OF MARIN AND SPENDS HIS DAYS PROTECTING THE NATURAL ENVIRONMENT SO THAT WE WILL HAVE THESE BEAUTIFUL SPACES FOR YEARS TO COME.

CRAIG LIVES IN PETALUMA WITH HIS WIFE ERIN, A BOTANIST WHO SPECIALIZES IN THE ETHNOBOTANY OF THEOBROMA CACAO, ALSO KNOWN AS CHOCOLATE, AND THE PRESERVATION OF THAT SPECIES!

YOU CAN VIEW MANY OF HIS WORKS AT [WWW.WILDEYEPHOTOGRAPHY.COM](http://WWW.WILDEYEPHOTOGRAPHY.COM)

**SUSAN VAN DER WAL** LIVES IN INVERNESS AND IS A FREELANCE PROFESSIONAL PHOTOGRAPHER. SHE HAS BEEN PUBLISHED BY BIRDER'S WORLD, SIERRA, AND SKYWEST MAGAZINE. HER PHOTOGRAPHS HAVE ALSO APPEARED IN CALENDARS INCLUDING AUDUBON AND NATIONAL WILDLIFE FEDERATION, IN ADDITION TO BROCHURES, CATALOGS, BOOKS, AND REGIONAL VISITOR PUBLICATIONS.

FOR 25 YEARS SHE HAS TRAVELED ALL OVER THIS COUNTRY AND EUROPE – CAPTURING WONDERFUL IMAGES OF PEOPLE AND NATURE. SHE ALSO USES SELECTIVE FOCUS TO CREATE ABSTRACTS AND CLOSE-UPS OF HER SUBJECT.

HER PHOTOGRAPHS CAN BE SEEN AT WILLIAM LESTER GALLERY, TOWN CENTER OF POINT REYES STATION, AND CAN BE VIEWED AT [WWW.WILLIAMLESTERGALLERY.COM](http://WWW.WILLIAMLESTERGALLERY.COM)



**THANKS TO OUR FUNDERS**

THIS 2009 CALENDAR IS BROUGHT TO YOU BY THE MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM (MCSTOPPP) AND THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD (CIWMB) WITH GENEROUS CONTRIBUTIONS FROM:

- MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY
- MARIN COUNTY WASTEWATER TREATMENT AGENCIES
- MARIN MUNICIPAL WATER DISTRICT
- MARIN COUNTY ENVIRONMENTAL HEALTH SERVICES





Photo: Craig Solin

## IN MARIN, CREEKSIDE BUFFERS PROTECT FISH, WILDLIFE, NATIVE PLANTS – AND A LANDOWNER'S PROPERTY!

**CREEK SETBACKS ESTABLISH A BUFFER ZONE WHERE CERTAIN ACTIVITIES ARE REGULATED TO PROTECT FISH, WILDLIFE, NATIVE PLANTS, AND THE CREEK ITSELF. THE SETBACKS ALSO HELP PROTECT A LANDOWNER'S PROPERTY FROM FLOODING AND EROSION. THE NUMBER OF FEET REQUIRED TO MEET A SETBACK IS DEPENDENT ON THE JURISDICTION WHERE YOU LIVE.**

**HUMAN ACTIVITIES NEAR CREEKS CAUSE POLLUTION, DEGRADE HABITAT, AND ALTER THE CREEKS' NATURAL FLOW. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION, REMOVING VEGETATION, STORING MATERIALS NEAR A CREEKBANK, ALTERING TRAILS, USING PESTICIDES, GRADING HILLSIDES, LITTERING, ALLOWING PETS TO ROMP IN THE CREEK, NOT PICKING UP AFTER PETS, AND ILLEGALLY DIVERTING WATER FROM A CREEK.**

**IF YOU'RE PLANNING A PROJECT NEXT TO A CREEK, CONTACT THE MARIN COUNTY DEPARTMENT OF PUBLIC WORKS OR THE MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM (MCSTOPPP) AT 499-6528. YOU CAN ALSO VISIT THE CREEK PERMIT PAGE ON THE MCSTOPPP WEBSITE AT [WWW.MCSTOPPP.ORG](http://WWW.MCSTOPPP.ORG)**



Photo: Duane Van Dieman

# January

# 2009

**OUR CREEKS ARE NATURAL CORRIDORS FOR RIVER OTTERS... LIKE THIS ONE WHO MADE A RARE APPEARANCE IN A MILL VALLEY CREEK.**

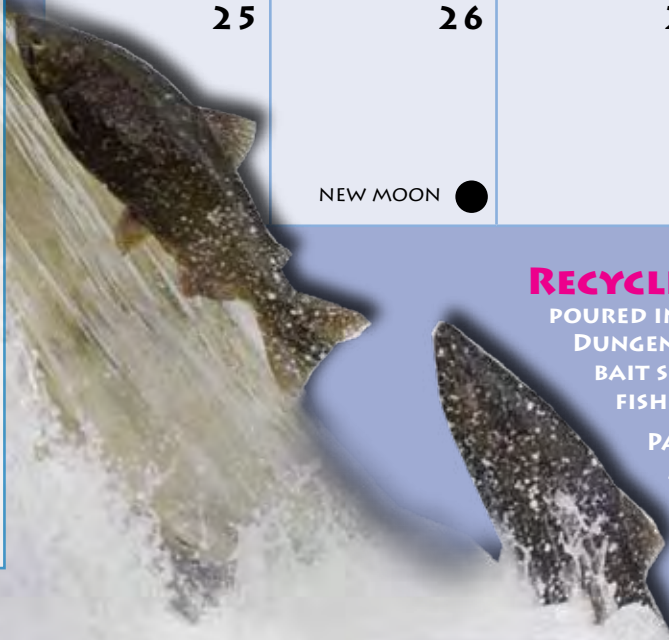


Photo: Paola Bouley

**THE ANNUAL "RETURN OF THE SALMON"** IS ONE OF MARIN'S MOST

EXCITING NATURAL OCCURRENCES. AFTER GROWING UP IN LOCAL CREEKS, THE JUVENILES LEAVE HOME FOR ABOUT 18 MONTHS TO EXPLORE THE VAST PACIFIC OCEAN, THEN RETURN HOME TO GIVE BIRTH. EDUCATIONAL TOURS ABOUT THE SALMON ARE HELD DURING MIGRATION SEASON. CALL THE **SALMON PROTECTION AND WATERSHED NETWORK** AT **663-8590, EXT. 207** OR VISIT ITS WEBSITE AT **WWW.SPAWNUSA.ORG**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 NEW YEAR'S DAY	2	3
4	5	6	7	8	9	10
FIRST QUARTER ☾						
11	12	13	14	15	16	17
FULL MOON ○						
18	19	20	21	22	23	24
LAST QUARTER ☽	MARTIN LUTHER KING, JR. DAY (OBSERVED)					
25	26	27	28	29	30	31
	NEW MOON ●					



**RECYCLE USED MOTOR OIL:** JUST ONE GALLON OF USED MOTOR OIL POURED INTO A MILLION GALLONS OF SEA WATER WILL KILL HALF OF ALL EXPOSED DUNGENESS CRAB LARVAE. THE SAN FRANCISCO BAY SUPPORTS A COMMERCIAL BAIT SHRIMP, HERRING, AND CRAB FISHERY – THE ONLY URBAN COMMERCIAL FISHERIES IN THE NATION!

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## KAYAKS, BOATS, AND OTHER DISTURBANCES CAN CAUSE REDUCED BIRTH RATES IN SEALS – AND LEAD TO ABANDONMENT OF THEIR ALREADY DIMINISHING HAUL-OUT SITES.



Photo: Jamie Hall, Harbor Seal

ABOUT ONE-FIFTH OF THE STATE'S BREEDING HARBOR SEALS ARE FOUND IN THE GULF OF THE FARALLONES NATIONAL MARINE SANCTUARY – PRIMARILY IN BOLINAS LAGOON AND TOMALES BAY. THEY HAUL OUT IN GROUPS RANGING FROM A FEW TO SEVERAL HUNDRED. BY LAW, THEY MUST BE LEFT UNDISTURBED TO RECOVER FROM THE EFFECTS OF LONG FORAGING DIVES.

USE SEAL SAVVY: IF A SEAL REACTS TO YOUR PRESENCE (E.G., LIFTS ITS HEAD OR GOES TOWARD WATER), YOU ARE TOO CLOSE. AVOID EYE CONTACT AND RETREAT SLOWLY. ALWAYS AVOID CONTACT WITH SEAL PUPS – AND DON'T BE TEMPTED TO "RESCUE" ONE THAT IS APPARENTLY ORPHANED. MOTHER SEALS SOMETIMES LEAVE THEIR PUPS UNATTENDED WHILE FEEDING, BUT LATER RECLAIM AND NURSE THEM. HUMANS OR DOGS NEAR A PUP COULD PREVENT THE MOTHER FROM RETURNING, AND RESULT IN THE PUP'S DEATH. IF IN DOUBT, REPORT DISTRESSED SEALS TO A RANGER, OR TO **THE MARINE MAMMAL CENTER AT (415) 289-SEAL.**

# February 2009

SEE BELOW FOR  
INFORMATION ABOUT THIS  
INVASIVE PLANT SPECIES.





Photo: Farallones Sanctuary, Tufted Puffin

THE GULF OF THE FARALLONES MARKS THE SOUTHERNMOST BREEDING RANGE OF THE TUFTED PUFFIN. THE PUFFIN FEEDS IN FOOD-RICH WATERS AND NESTS IN DEEP CLEFTS ON THE FARALLON ISLANDS.

TO LEARN MORE ABOUT FARALLONES SANCTUARY WILDLIFE VISIT

[HTTP://FARALLONES.NOAA.GOV](http://farallones.noaa.gov) OR

[HTTP://FARALLONES.ORG](http://farallones.org)

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 GROUNDHOG DAY FIRST QUARTER ☾	3	4	5	6	7
8	9 FULL MOON ☽	10	11	12 LINCOLN'S BIRTHDAY	13	14 VALENTINE'S DAY
15	16 PRESIDENT'S DAY (OBSERVED) LAST QUARTER ☾	17	18	19	20	21
22 WASHINGTON'S BIRTHDAY	23	24	25 ASH WEDNESDAY NEW MOON ●	26	27	28



Photo: Craig Solin, Hottentot Fig

ICEPLANT OR HOTTENTOT FIG (*CARPOBROTUS EDULIS*) IS AN INVASIVE SPECIES. SMALL MAMMALS CAN CARRY SEEDS FROM LANDSCAPE SETTINGS TO NEARBY COASTAL DUNES AND OTHER SENSITIVE AREAS. IT FORMS IMPENETRABLE MATS THAT COMPETE DIRECTLY WITH NATIVE VEGETATION. AN ALTERNATIVE TO THE INVASIVE HOTTENTOT FIG IS THE HARDY ICEPLANT (*DELOSPERMA COOPERI*), A NON-INVASIVE ICEPLANT WITH SMALLER SUCCULENT LEAVES AND BRILLIANT VIOLET-PINK FLOWERS.

**OIL AND WATER DON'T MIX:** SINCE OIL FLOATS ON ON THE WATER'S SURFACE, IT COATS THE FEATHERS OF WATER BIRDS, CAUSING THEM TO MAT AND SEPARATE. THIS HURTS THE WATERPROOFING AND EXPOSES THE ANIMALS' SENSITIVE SKIN TO EXTREMES IN TEMPERATURE, LEADING TO HYPO- OR HYPERTHERMIA.

PARTIALLY FUNDED BY THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN! FOR RECYCLING AND/OR DISPOSAL OF USED MOTOR OIL, FILTERS, ANTIFREEZE, PESTICIDES, PAINTS, SOLVENTS, AND OTHER HOUSEHOLD HAZARDOUS WASTES, CALL 1-800-CLEANUP OR VISIT ONE OF THE FREE COLLECTION SITES LISTED ON THE BACK COVER.



## NO, IT'S NOT THE OLD WEST!

**THIS RAIN BARREL IS CAPTURING WATER THAT CAN BE USED IN DRIER MONTHS. FIVE OF THESE BARRELS PROVIDE 300 GALLONS OF RAINWATER THAT WILL BE USED SPECIFICALLY FOR WATERING PLANTS DURING EXTREMELY HOT DAYS.**

IN 2008, MARIN BEGAN THE YEAR WITH WET AND STORMY WEATHER, BUT IT WAS FOLLOWED BY THE DRIEST SPRING ON RECORD. FOR INSTANCE, JUST 2/3 OF AN INCH OF RAIN FELL ON THE MT. TAM WATERSHED IN MARCH AND APRIL, COMPARED WITH AN AVERAGE RAINFALL OF 11.3 INCHES. IF THAT HAPPENS AGAIN THIS YEAR, WE COULD BE ON OUR WAY TO AN OFFICIAL DROUGHT, AS THE WATER IN RESERVOIRS IS DRAWN DOWN WITHOUT BEING REPLENISHED.

**PERMEABLE SURFACES ABSORB WATER, LESSENING THE FORCE OF HEAVY RAINS. FOR INFO ON VARIOUS TYPES OF PERMEABLE SURFACES, GO TO [HTTP://WWW.PAVERSEARCH.COM/](http://www.paversearch.com/)**

Photo: Bené da Silva

# March 2009

Design by Marty and  
Debbie Thorsson, Petaluma  
2008 Marin County Fair





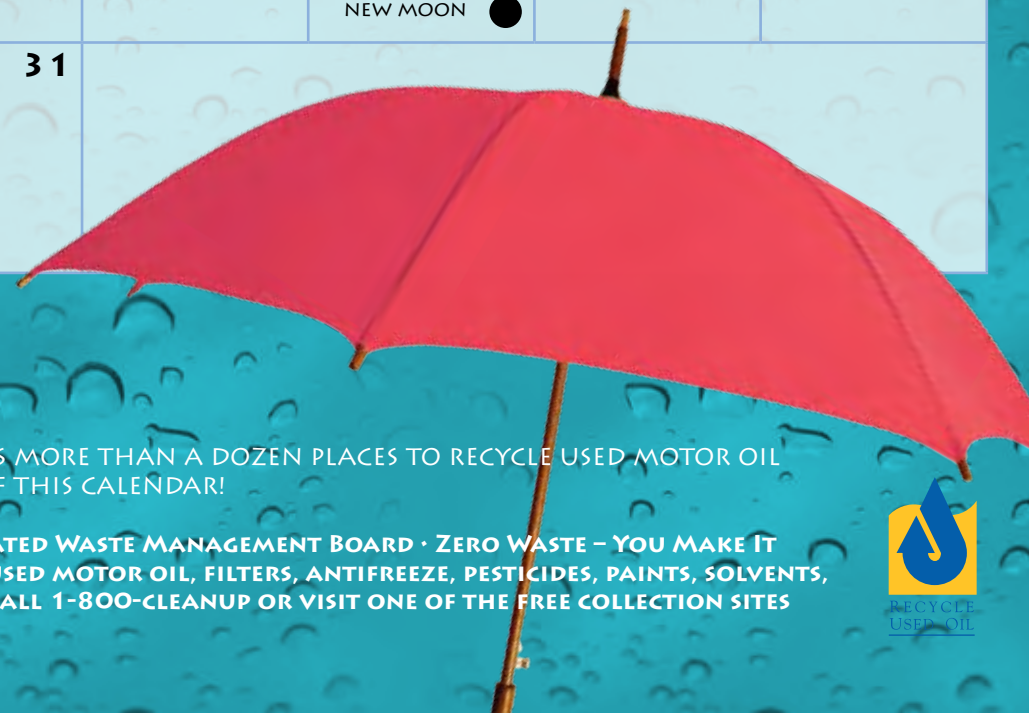
**BESIDES  
ALL THE  
SIMPLE  
WAYS TO  
SAVE WATER  
(GO TO WWW.**

**WATERSAVINGHERO.**

**COM), HERE'S A NOVEL WAY TO  
DO IT:**

WITH EACH FLUSH OF YOUR COMMODE, CLEAN WATER THAT WOULD OTHERWISE GO STRAIGHT DOWN THE TOILET IS FIRST ROUTED UP THROUGH A CHROME GOOSENECK SPIGOT TO DISPENSE PURE WATER FOR HAND WASHING. THE TOILET LID SINK INSTALLS EASILY WITHOUT TOOLS, IS ATTRACTIVE FOR ANY BATHROOM, AND IS A GREAT SPACE SAVER. IT SHUTS OFF AUTOMATICALLY. THE PORCELAIN-LIKE WHITE PLASTIC REPLACES YOUR EXISTING TANK TOP AND ADJUSTS TO FIT STANDARD TOILETS UP TO 8.5" WIDE AND 18-22" LONG. AND, THERE'S A BUILT-IN SOAP DISH. LEARN MORE AT [HTTP://WWW.GAIAM.COM/RETAIL/PRODUCT/02-0334](http://www.gaiam.com/retail/product/02-0334)

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 FIRST QUARTER ☾	5	6	7
8 DAYLIGHT SAVING TIME BEGINS	9	10	11 FULL MOON ☽	12	13	14
15	16	17 ST. PATRICK'S DAY	18 LAST QUARTER ☾	19	20 FIRST DAY OF SPRING	21
22	23	24	25	26 NEW MOON ●	27	28
29	30	31				



**FREE RECYCLING:** MARIN COUNTY HAS MORE THAN A DOZEN PLACES TO RECYCLE USED MOTOR OIL AND/OR FILTERS FREE OF CHARGE. SEE BACK OF THIS CALENDAR!

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# CLIFF SWALLOWS EAT A DIET OF MOSQUITOES AND GNATS, HELPING TO NATURALLY CONTROL THESE PEST POPULATIONS.



Photo: Eddie Bartley

CLIFF SWALLOWS GOT THEIR NAME FROM THEIR TRADITIONAL NESTING SITE: CLIFFS! WITH LOSS OF HABITAT AND AN ABUNDANCE OF HUMAN STRUCTURES RESEMBLING CLIFFS, MANY FORMER CLIFF NESTERS HAVE ADAPTED TO NESTING ON AND IN BUILDINGS.

CLIFF SWALLOWS BUILD THEIR NESTS NEAR WATER, TRANSPORTING THOUSANDS OF TINY BALLS OF MUD AND STICKING THEM ON BUILDINGS TO CREATE THE ENGINEERING MARVEL THAT IS THEIR NEST. THEY OFTEN CHOOSE LOCATIONS OVER WALKWAYS – CREATING A BIT OF A MESS ON THE GROUND BENEATH THEM.

IF CLIFF SWALLOWS BUILD NESTS ON YOUR HOME OR COMMERCIAL BUILDING, IT'S IMPORTANT TO REMEMBER THAT ALL NATIVE MIGRATORY BIRDS ARE PROTECTED BY LAW UNDER THE FEDERAL MIGRATORY BIRD TREATY ACT. **DESTRUCTION OF ACTIVE NESTS AND EGGS IS ILLEGAL.** SO, FOR THE FEW MONTHS THAT THE MESS EXISTS, THE BEST COURSE OF ACTION IS TO HOSE OR SWEEP THE SIDEWALKS EACH DAY. THE BIRDS WILL SOON LEAVE, BUT WHILE THEY'RE VISITING THEY WILL EAT THOUSANDS OF INSECTS EACH DAY, INCLUDING DISEASE-CARRYING VECTORS LIKE MOSQUITOES.



Photo: Veronica Bowers



Photo: Noreen Weeden

April  
2009



Photo: Eddie Bartley

EVERY YEAR, CLIFF SWALLOWS ARRIVE IN MARIN FROM THEIR WINTER HOME IN SOUTH AMERICA TO START A NEW HOME – AND A FAMILY!

FOR HELP WITH WILDLIFE CONFLICTS CALL THE WILDLIFE SOLUTIONS SERVICE OFFERED BY **WILDCARE AT 415-456-SAVE** OR VISIT **WWW.WILDCAREBAYAREA.ORG**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
CLIFF SWALLOWS WILL PROVIDE HOURS OF ENJOYMENT AS YOU WATCH THEM BUILD NESTS AND TEND TO THEIR YOUNG.			1 APRIL FOOL'S DAY	2 FIRST QUARTER ☾	3	4
5 PALM SUNDAY	6	7	8	9 PASSOVER BEGINS FULL MOON ☉	10 GOOD FRIDAY	11
12 EASTER	13	14	15	16	17 LAST QUARTER ☾	18
19	20	21	22 EARTH DAY	23	24	25 NEW MOON ●
26	27	28	29	30		

**FOR THE BIRDS:** WHEN OIL POLLUTES A WATERWAY FREQUENTED BY BIRDS, THE BIRDS CAN INGEST THE OIL AS THEY PREEN THEMSELVES. THIS CAN CAUSE SERIOUS HEALTH PROBLEMS FOR THEM. RECYCLE USED OIL AND FILTERS!

PARTIALLY FUNDED BY THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN! FOR RECYCLING AND/OR DISPOSAL OF USED MOTOR OIL, FILTERS, ANTIFREEZE, PESTICIDES, PAINTS, SOLVENTS, AND OTHER HOUSEHOLD HAZARDOUS WASTES, CALL 1-800-CLEANUP OR VISIT ONE OF THE FREE COLLECTION SITES LISTED ON THE BACK COVER.



Rain chains replace downspout on Eco Tour 2008  
Photo: Howard Bunce



**VISIT SOME OF MARIN'S ECO-FRIENDLY GARDENS AT THE THIRD ANNUAL GARDEN TOUR ON SATURDAY, MAY 9. CALL 499-3202 FOR MORE INFORMATION AND TO REGISTER!**

BIO-ENGINEERED WALLS? GRASSY SWALES? RAIN GARDENS? DON'T LET THESE TERMS SCARE YOU – THEY SIMPLY DESCRIBE SOME OF THE WAYS YOU CAN USE PLANTS TO STABILIZE CREEKBANKS (BIO-ENGINEERING) AND KEEP WATER FROM RUSHING OFF YOUR PROPERTY DURING THE RAINY SEASON (GRASSY SWALES AND RAIN GARDENS). THESE METHODS ARE REFERRED TO AS LOW-IMPACT DEVELOPMENT (LID) – AN APPROACH TO MANAGING RAINWATER THAT ENCOURAGES INFILTRATION INTO THE GROUND – SLOWING DOWN THE SPEED AND VOLUME OF WATER AS IT LEAVES YOUR PROPERTY. THIS APPROACH CAN IMPROVE WATER QUALITY AND CAN HELP PREVENT EROSION IN CREEKS.

FOR MORE INFORMATION ON LOW-IMPACT DEVELOPMENT (LID), GO TO [WWW.COASTAL.CA.GOV/NPS/LID-FACTSHEET.PDF](http://WWW.COASTAL.CA.GOV/NPS/LID-FACTSHEET.PDF)



Photo: Ginger Souders-Mason

May  
2009





Photo: Gina Purin - Eco Tour 2008

## AND WHILE YOU'RE THINKING "FLOWERS"

NEXT TIME YOU WANT TO REMEMBER A SPECIAL DAY WITH COLORFUL BLOOMS, CONSIDER ORGANIC BOUQUET – THE WORLD'S FIRST ORGANIC FLORIST. LEARN MORE AT [WWW.ORGANICBOUQUET.COM](http://WWW.ORGANICBOUQUET.COM) OR CALL 877-899-2468. THE ULTIMATE GOAL OF ORGANIC BOUQUET IS TO PROTECT THE ENVIRONMENT AND IMPROVE FARM WORKER SAFETY BY ELIMINATING MILLIONS OF POUNDS OF TOXIC PESTICIDES FROM AGRICULTURAL USAGE.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
GET A CHANCE TO VIEW A WIDE SELECTION OF ECO-FRIENDLY FEATURES AT THE ECO-FRIENDLY GARDEN TOUR ON MAY 9.					1 FIRST QUARTER ☾	2
3	4	5	6	7	8	9
		CINCO DE MAYO			FULL MOON ☽	
10 MOTHER'S DAY	11	12	13	14	15	16 ARMED FORCES DAY
17 LAST QUARTER ☾	18	19	20	21	22	23
24 NEW MOON ●	25	26	27	28	29	30
31	MEMORIAL DAY (OBSERVED)					FIRST QUARTER ☾

**OVER THE RAINBOW:** THOSE PRETTY RAINBOWS FOUND IN PARKING LOTS AND CITY STREETS AFTER A RAIN-FALL ARE NOT PRETTY FOR THE ENVIRONMENT. THEY'RE A SIGN THAT OIL HAS LEAKED ONTO THE GROUND AND CAN BE TRANSPORTED TO LOCAL CREEKS!

PARTIALLY FUNDED BY THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN! FOR RECYCLING AND/OR DISPOSAL OF USED MOTOR OIL, FILTERS, ANTIFREEZE, PESTICIDES, PAINTS, SOLVENTS, AND OTHER HOUSEHOLD HAZARDOUS WASTES, CALL 1-800-CLEANUP OR VISIT ONE OF THE FREE COLLECTION SITES LISTED ON THE BACK COVER.



# THE 2.5-ACRE LIVING ROOF OF THE CALIFORNIA ACADEMY OF SCIENCES WILL REDUCE STORMWATER RUNOFF BY AS MUCH AS 3.6 MILLION GALLONS OF WATER PER YEAR.

METAPHORICALLY SPEAKING, THE LIVING ROOF IS LIKE LIFTING A PARK AND PUTTING A BUILDING UNDER IT. THE ACCLAIMED MUSEUM, IS THE ONLY FACILITY IN THE WORLD TO HOUSE AN AQUARIUM, PLANETARIUM, NATURAL HISTORY MUSEUM AND RESEARCH/EDUCATION CENTER.

THROUGH ITS INNOVATIVE DESIGN, THE FACILITY ITSELF INSPIRES VISITORS TO CONSERVE NATURAL RESOURCES AND HELP SUSTAIN THE DIVERSITY OF LIFE ON EARTH. THE ENTRANCE IS BELOW A SOLAR ENERGY-PRODUCING CANOPY THAT GENERATES 5-10% OF THE BUILDING'S POWER. THE BUILDING USES UNTREATED CONCRETE FOR FLOORS AND RECYCLED DENIM AS INSULATION.

THE GREEN ROOFTOP WILL KEEP THE BUILDING'S INTERIOR ABOUT TEN DEGREES COOLER THAN WOULD A STANDARD ROOF. THE PLANTS WILL PRODUCE OXYGEN FROM CARBON DIOXIDE AND HELP REDUCE ENERGY AND COOLING NEEDS.



THE LIVING ROOF WAS DESIGNED BY SWA GROUP OF SAUSALITO.

Photo: Tom Fox

June  
2009





### ANOTHER VIEW OF THE LIVING ROOF

Photo: Tom Fox

THE PLANTING SYSTEM INCLUDES 50,000 BIODEGRADABLE TRAYS MADE FROM TREE SAP AND COCONUT HUSKS.

PERENNIAL PLANTS ON THE ROOF INCLUDE STRAWBERRY, SELF HEAL, SEA PINK, AND STONECROP. THE FIVE ANNUALS – ALL CALIFORNIA NATIVES – ARE TIDY TIPS, GOLDFIELDS, MINIATURE LUPINE, CALIFORNIA POPPY, AND CALIFORNIA PLAINTAIN. THE PLANTING OF CALIFORNIA PLANTS AND WILDFLOWERS CREATES A HABITAT FOR BUTTERFLIES, BIRDS, BEES, AND ANY OTHER CREATURES THAT FIND THEIR WAY THERE.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
FULL MOON ☉						
14	15	16	17	18	19	20
FLAG DAY	LAST QUARTER ☾					
21	22	23	24	25	26	27
FIRST DAY OF SUMMER FATHER'S DAY	NEW MOON ●					
28	29	30				
	FIRST QUARTER ☽					

**PLASTIC IS "PETRO":** PLASTIC BAGS ARE MADE FROM PETROLEUM, A NONRENEWABLE RESOURCE. THE UNITED STATES GOES THROUGH 100 BILLION BAGS ANNUALLY. THIS IS THE ENERGY EQUIVALENT OF 12 MILLION BARRELS OF OIL.

**PARTIALLY FUNDED BY THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD • ZERO WASTE – YOU MAKE IT HAPPEN! FOR RECYCLING AND/OR DISPOSAL OF USED MOTOR OIL, FILTERS, ANTIFREEZE, PESTICIDES, PAINTS, SOLVENTS, AND OTHER HOUSEHOLD HAZARDOUS WASTES, CALL 1-800-CLEANUP OR VISIT ONE OF THE FREE COLLECTION SITES LISTED ON THE BACK COVER.**



# **MOST GARDENERS USE ABOUT 40% MORE WATER THAN THEY NEED – WITHOUT EVEN REALIZING IT**

USING LESS WATER, AND WATERING AT THE RIGHT TIME, CAN MEAN A HEALTHIER, BETTER-LOOKING GARDEN. THE MARIN MUNICIPAL WATER DISTRICT CAN HELP YOU CALCULATE HOW MUCH WATER YOUR PLANTS NEED. GO TO **[WWW.MARINWATER.ORG](http://WWW.MARINWATER.ORG)** AND SELECT "WEEKLY WATERING SCHEDULE."

TO KEEP YOUR LANDSCAPE HEALTHY AND MAKE THE MOST OF MARIN'S WATER SUPPLY, BUY A SMART CONTROLLER. SMART CONTROLLERS USE SENSORS AND WEATHER INFORMATION TO MANAGE WATERING TIMES AND FREQUENCY. AS ENVIRONMENTAL CONDITIONS VARY, THE CONTROLLER INCREASES OR DECREASES IRRIGATION. SMART CONTROLLERS EVEN HAVE THE ABILITY TO TURN OFF YOUR SPRINKLERS AUTOMATICALLY DURING RAIN, HIGH WIND OR LOW TEMPERATURES. THEY REDUCE OUTDOOR WATER USE BY AN AVERAGE OF 15 TO 30 PERCENT. THEY ALSO REDUCE OVERWATERING, WHICH CAN CAUSE FUNGAL DISEASE AND INSECT PROBLEMS.

*July*  
2009

Photo: Charlotte Torgovitsky



**THIS MAGNIFICENT MARIN GARDEN RELIES ON DRIP IRRIGATION TO ENSURE HEALTHY PLANTS!**

Photo: Charlotte Torgovitsky







Design by William and Carrie Fetrow, Cotati, 2008 Marin County Fair

## JULY IS SMART IRRIGATION MONTH

AND IT'S TIME FOR YOU TO GET WATER-SMART! CONTACT YOUR LOCAL WATER AGENCY TODAY TO FIND OUT HOW SAVING WATER CAN ALSO BE SMART FOR YOUR CHECKBOOK: IT GIVES YOU CASH INCENTIVES AND FREE LANDSCAPE SERVICES. CUSTOMERS OF THE MARIN MUNICIPAL WATER DISTRICT (MMWD) CAN LOG ON TO [WWW.MARINWATER.ORG](http://WWW.MARINWATER.ORG) AND VISIT THE CONSERVATION PROGRAM PAGE TO LEARN ABOUT THE BAY-FRIENDLY LANDSCAPE REBATE PROGRAM. MMWD AND THE IRRIGATION ASSOCIATION WANT YOU TO BE SMART THIS SUMMER WHEN IT COMES TO WATERING.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>JULY SMART IRRIGATION MONTH</b>			1	2	3	4 INDEPENDENCE DAY
5	6	7 FULL MOON ☉	8	9	10	11
12	13	14	15 LAST QUARTER ☾	16	17	18
19	20	21	22 NEW MOON ●	23	24	25
26	27	28 FIRST QUARTER ☽	29	30	31	

**MAINTAIN YOUR VEHICLE AND AVOID POLLUTION:** USED MOTOR OIL ALONE ACCOUNTS FOR 40% OF THE POLLUTION IN OUR NATION'S WATERWAYS.

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# TIRES HAVE A GREAT LIFE.... BUT THEIR AFTERLIFE CAN BE A PROBLEM!

SINCE 2003, APPROXIMATELY 47,500 WASTE TIRES HAVE BEEN REMOVED FROM ILLEGAL DUMP SITES THROUGHOUT MARIN! THEY HAVE BEEN FOUND ALONG COUNTY ROADS, IN CREEKS, AND EVEN STOCK-PILED ON PRIVATE PROPERTY. SUCH ACTIONS CAN POSE A THREAT TO HUMAN HEALTH! WATER SETTLES IN TIRES, CREATING HABITAT FOR DISEASE-CARRYING MOSQUITOES. TIRES ALSO PROVIDE SHELTER FOR RODENTS AND, IN THE CASE OF A FIRE, CAN SIGNIFICANTLY INCREASE HEALTH HAZARDS BECAUSE OF THE TOXIC SUBSTANCES THAT ARE SPEWED INTO THE AIR, SOIL, AND WATER. HOW CAN WE PREVENT THIS FROM HAPPENING? WE CAN...

**GIVE TIRES A NEW LIFE!**



Photos: Jamie Tuckey



**A DECORATIVE TIRE IS PUT TO USE AS A CONTAINER FOR COLORFUL PLANTS.**

*August*  
2009



Photo: Dana Armanino

### THIS CLIMBING WALL IS MADE OF RECYCLED WASTE TIRE RUBBER

IN MARIN, WASTE TIRES HAVE BEEN USED IN A VARIETY OF ITEMS INCLUDING ATHLETIC SURFACES, RUBBERIZED ASPHALT ROADS, PLAYGROUND SURFACES, AND FOR EROSION CONTROL ON TRAILS. PERI PARK IN FAIRFAX HAS A PLAYGROUND SURFACE MADE OF WASTE TIRES, AND THE TRACK FIELD AT MARIN CATHOLIC INCLUDES 376,000 POUNDS OF RUBBER FROM OLD TIRES. TIRE "CHIPS" (CALLED TDA OR TIRE DERIVED AGGREGATE) HAVE ALSO BEEN USED FOR THE INSTALLATION OF A NEW SEPTIC SYSTEM FOR THE PUBLIC RESTROOMS IN POINT REYES STATION. TDA IS ONE-THIRD THE WEIGHT OF GRAVEL AND PROVIDES APPROXIMATELY 60% MORE AIR SPACE (WHICH IS IMPORTANT IN SEPTIC LEACH FIELDS FOR AEROBIC ACTIVITY).

FOR MORE INFORMATION ON THE COUNTY OF MARIN WASTE TIRE PROGRAM AND WHERE YOU CAN TAKE UNWANTED TIRES, VISIT [WWW.MARINWASTETIRE.ORG](http://WWW.MARINWASTETIRE.ORG)

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6 FULL MOON ☉	7	8
9	10	11	12	13 LAST QUARTER ☾	14	15
16	17	18	19	20 NEW MOON ●	21	22 RAMADAN BEGINS
23	24	25	26	27 FIRST QUARTER ☽	28	29
30	31			<p>OLD TIRES ARE GIVEN NEW PURPOSE ON A PLAYGROUND AS HORSE SWINGS AND A TIRE TUNNEL!</p>		

**AVOID A FINE:** USED OIL AND FILTERS ARE REGULATED AS HAZARDOUS WASTE IN CALIFORNIA. ILLEGAL DISPOSAL IS PUNISHABLE BY \$ 5,000 TO \$ 25,000 A DAY.

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## SAVE LOCAL CREEKS – AND THE BAY – FROM SEWAGE SPILLS. LEARN HOW BELOW.

PRIVATELY OWNED “LATERALS” ARE THE PIPES THAT CONNECT THE DRAINS IN YOUR HOME TO THE PUBLICLY-OWNED SEWER PIPES THAT RUN UNDER THE STREET. IF THESE “LATERALS” ARE DAMAGED OR IN DISREPAIR, RAINWATER AND GROUNDWATER WILL INFILTRATE THEM. IN MARIN COUNTY, AT LEAST 50% OF THE RAINWATER THAT ENTERS THE SEWER PIPES COMES FROM PRIVATELY OWNED LATERALS IN DISREPAIR. THE REST IS FROM HOUSES AND BUSINESSES THAT HAVE THEIR ROOF GUTTERS AND YARD DRAINS CONNECTED TO THE SANITARY SEWERS. **ROOF GUTTERS – AND YARD AND PATIO DRAINS – SHOULD NEVER BE CONNECTED TO THE SANITARY SEWERS.** IF HOMEOWNERS OR BUSINESSES DISCOVER THESE DRAINS ARE CONNECTED, THEY SHOULD REMOVE THE CONNECTIONS AS SOON AS POSSIBLE.

DURING WINTER RAINS, THE FLOW AT WASTEWATER TREATMENT PLANTS (THAT ULTIMATELY ACCEPT WHATEVER IS IN THE SEWER PIPES) INCREASES TO UP TO 15 TIMES THE NORMAL FLOW RATES DUE TO BREAKS AND CRACKS IN THE “LATERALS” AND/OR SEWER PIPES.

AS FLOWS IN THE SEWER PIPES AND AT TREATMENT PLANTS INCREASE, SO DOES THE LIKELIHOOD OF SEWAGE FLOWING OUT OF MANHOLES AND ONTO STREETS, AND INTO CREEKS AND THE BAY.

# September 2009

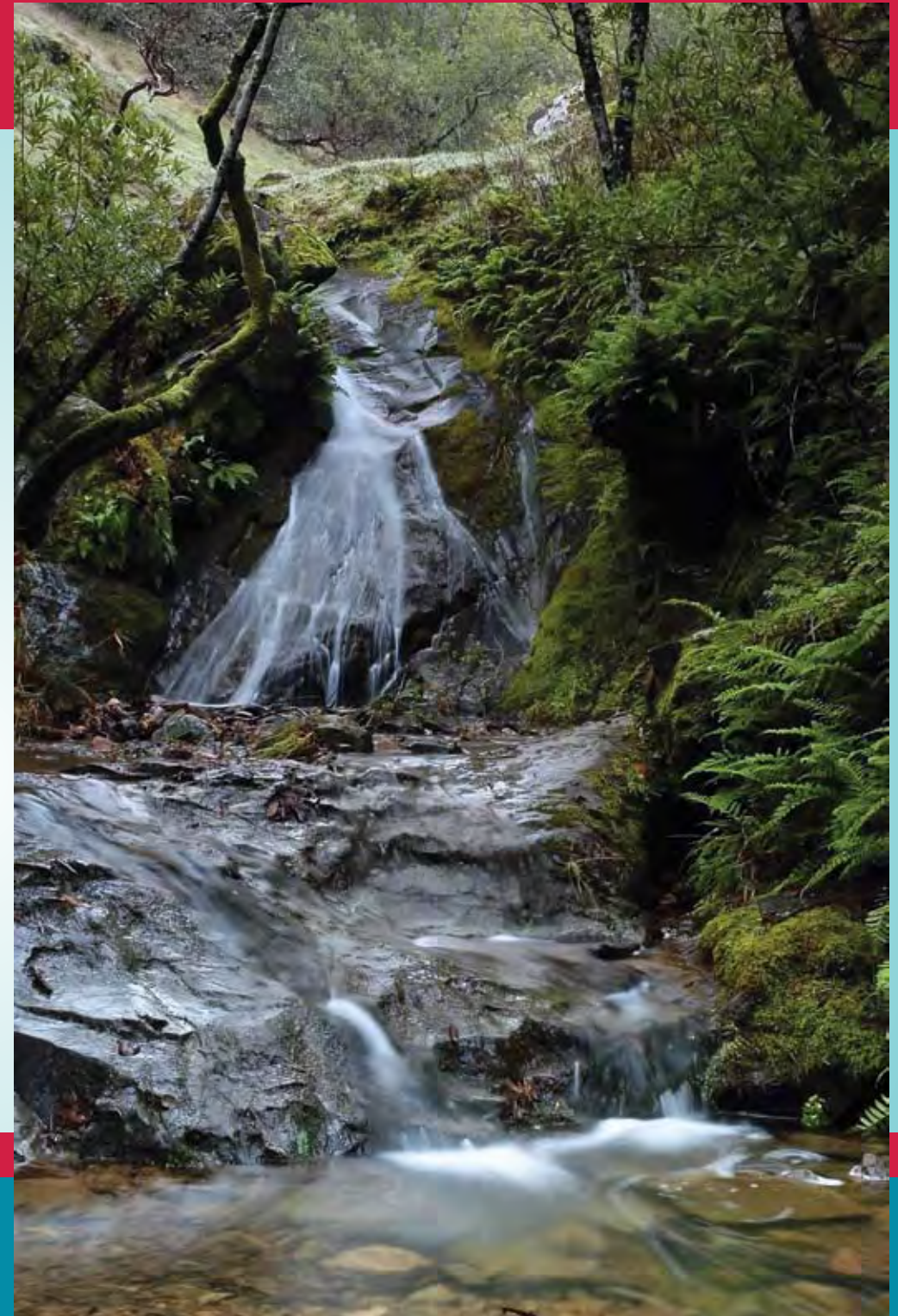



Photo: Craig Solin



**CHECK WITH YOUR LOCAL SEWER DISTRICT ABOUT CASH INCENTIVES TO REPAIR YOUR "LATERALS."**

BY REPAIRING OR REPLACING PRIVATELY OWNED LATERALS, HOMEOWNERS CAN HELP TO REDUCE OVERFLOWS IN THE PUBLICLY OWNED SEWER PIPES AND WASTEWATER TREATMENT PLANTS. CHECK WITH YOUR LOCAL AGENCIES (SEE BACK COVER) ABOUT CASH INCENTIVES TO REPAIR YOUR "LATERALS" AND ABOUT INSTALLING BACKFLOW PREVENTION DEVICES.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
					FULL MOON ☉	
6	7	8	9	10	11	12
	LABOR DAY					LAST QUARTER ☾
13	14	15	16	17	18	19
					NEW MOON ●	ROSH HASHANAH
20	21	22	23	24	25	26
		FIRST DAY OF AUTUMN				FIRST QUARTER ☽
27	28	29	30	 <p><b>FOR QUESTIONS ABOUT LATERALS OR THE REPLACEMENT PROGRAM, CALL 1-800-SAV-R-BAY</b></p>		
	YOM KIPPUR					

**KEEP CREEKS CLEAN:** AUTO FLUIDS MAKE UP 12% OF THE ILLICIT DISCHARGES TO CREEKS AND STORM DRAINS IN MARIN.

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# FALLEN LEAVES MAKE GOOD MULCH AND PROTECT THE SOIL FROM DRYING OUT.

MULCH IS A PROTECTIVE LAYER OF MATERIAL PLACED ON THE SURFACE OF THE SOIL – LIKE LEAVES, STRAW, WOOD CHIPS, ETC. IT CAN SUPPRESS WEEDS, REDUCE EVAPORATION, HELP PREVENT EROSION, AND ADD NUTRIENTS TO THE SOIL.

SHEET MULCHING IS JUST ONE MULCHING “SECRET” THAT CAN BE USED AROUND EXISTING PLANTINGS OR IN ESTABLISHING A NEW GARDEN SITE. IF YOU HAVE HARD-PAN OR CLAY SOIL IN THE AREA YOU WANT TO PLANT, SHEET MULCHING CAN SAVE YOU A LOT OF WORK. LEARN MORE ABOUT THE WONDERS OF MULCH BY CALLING MCSTOPPP AND ASKING FOR A FREE COPY OF “GARDENS FROM GARBAGE: A GUIDE TO COMPOSTING, MULCHING AND GRASSCYCLING.”

October  
2009



Photo: Craig Solin



## NOW IS THE TIME TO PLANT FOR SPRING COLOR!

EARLY FALL IS AN IDEAL TIME FOR PLANTING! THE COOL WEATHER AND RAINFALL WILL HELP PLANTS ESTABLISH HEALTHY ROOT SYSTEMS.

CONSIDER PLANTING NATIVE PLANTS. ONCE ESTABLISHED, THEY NEED LITTLE WATER, ARE MORE RESISTANT TO PESTS AND DISEASES, AND DON'T REQUIRE THE USE OF TOXIC PESTICIDES.



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
FOR A FREE BOOKLET ON NATIVE PLANTS, CALL MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM AT 499-6528 AND ASK FOR A COPY OF "GO NATIVE! USING NATIVE PLANTS FOR YOUR YARD, PATIO AND CREEK."				1	2	3
4	5	6	7	8	9	10
FULL MOON ☉						
11	12	13	14	15	16	17
LAST QUARTER ☾	COLUMBUS DAY (OBSERVED)					
18	19	20	21	22	23	24
NEW MOON ●						
25	26	27	28	29	30	31
FIRST QUARTER ☽						HALLOWEEN

**IT'S THE LAW!:** IT'S ILLEGAL TO TOSS MOTOR OIL – OR FILTERS – IN THE TRASH! BY STATE LAW, OIL AND FILTERS MUST BE RECYCLED. FREE LOCATIONS ARE LISTED ON THE BACK OF THIS CALENDAR!

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**METHYLMERCURY, THE MOST TOXIC FORM OF MERCURY, HAS BEEN FOUND IN SEDIMENT AND FISH IN SAN FRANCISCO BAY. ELEMENTAL MERCURY CAN TURN INTO METHYLMERCURY IN THE BAY'S ENVIRONMENT.**



Photo: Craig Solin

SOME TYPES OF FISH CAUGHT IN THE BAY CONTAIN METHYLMERCURY AT CONCENTRATIONS THAT MAY THREATEN THE HEALTH OF PEOPLE EATING THOSE FISH. METHYLMERCURY BINDS TO MUSCLE TISSUE AND CANNOT BE COOKED OUT OF FISH. YOUR BODY WILL, HOWEVER, EXCRETE IT OVER TIME IF CONTINUED EXPOSURE IS PREVENTED.

IN THE CASE OF METHYLMERCURY, FISH SIZE IS IMPORTANT BECAUSE LARGE FISH (E.G., SHARK OR SWORDFISH) THAT PREY UPON SMALLER FISH CAN ACCUMULATE MORE OF THE CHEMICAL IN THEIR BODIES. GENERALLY, SMALLER FISH HAVE MUCH LOWER ACCUMULATIONS OF METHYLMERCURY.

FOR INFORMATION ON MERCURY AND OTHER TOXINS IN FISH, AS WELL AS FISH CONSUMPTION ADVISORIES AND OTHER USEFUL INFORMATION, GO TO **[WWW.OEHHA.CA.GOV/FISH.HTML](http://WWW.OEHHA.CA.GOV/FISH.HTML)**

November  
2009





**TO DO OUR PART TO REDUCE THE AMOUNT OF ALL TYPES OF MERCURY – INCLUDING METHYLMERCURY – FROM ENTERING THE BAY, WE SHOULD CONSIDER THE FOLLOWING:**

- TAKE FLUORESCENT LAMPS, COMPACT FLUORESCENT TUBES (CFLs), THERMOMETERS, BATTERIES, AND NONDIGITAL THERMOSTATS TO THE HOUSEHOLD HAZARDOUS WASTE (HHW) FACILITIES LISTED ON THE BACK COVER.
- WHEN YOU VISIT YOUR DENTIST, ASK HOW DENTAL AMALGAM IS DISPOSED OF IN THE OFFICE. STUDIES HAVE SHOWN THAT 31 TONS OF MERCURY IS USED EVERY YEAR IN DENTAL AMALGAM – FOR FILLINGS IN TEETH THAT HAVE CAVITIES. WHEN CAVITIES NEED TO BE FILLED, REQUEST NONAMALGAM FILLINGS AND ASK YOUR DENTIST TO PROPERLY DISPOSE OF ANY MERCURY STORED IN THE OFFICE. CALL THE HHW FACILITIES’ BUSINESS LINE FOR DISPOSAL INFORMATION (SEE BACK COVER).

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 DAYLIGHT SAVING TIME ENDS	2 FULL MOON ☉	3	4	5	6	7
8	9 LAST QUARTER ☾	10	11 VETERANS DAY	12	13	14
15	16 NEW MOON ●	17	18	19	20	21
22	23	24 FIRST QUARTER ☽	25	26 THANKSGIVING DAY	27	28
29	30	<p>MOST OF THE MERCURY PRESENT IN SEDIMENT IN THE BAY CAME FROM OLD MINING OPERATIONS. IT’S CHEMICALLY CONVERTED TO METHYLMERCURY BY BACTERIA AND FUNGI FOUND IN THE BAY.</p>				

**MAINTAIN YOUR VEHICLE AND AVOID POLLUTION:** THERE ARE OVER 10,000 REGISTERED BOATS IN MARIN – ALL POTENTIAL SOURCES OF WATER POLLUTION FROM MOTOR OIL. FOR INFORMATION ABOUT “GREEN” BOATING PRACTICES, VISIT [WWW.COASTAL.CA.GOV/CCBN/CCBNDX.HTML](http://WWW.COASTAL.CA.GOV/CCBN/CCBNDX.HTML)

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# WHEN MAKING NEW YEAR'S RESOLUTIONS TO KEEP YOUR BODY HEALTHY, HOW ABOUT GIVING SOME ADDITIONAL ATTENTION TO ANOTHER BODY: THE BODY OF WATER CALLED THE SAN FRANCISCO BAY!

IF EVERY RESIDENT WOULD DO JUST ONE OF THE FOLLOWING THINGS ON A REGULAR BASIS, IT WILL MAKE A DIFFERENCE – NOT ONLY TO THE BAY, BUT TO THE 3,000 MILES OF CREEKS IN MARIN THAT DRAIN INTO IT:

**1. PICK UP AT LEAST ONE PIECE OF LITTER EVERY DAY!** LITTER LEFT ON STREETS CAN FLOW TO STORM DRAINS AND STRAIGHT INTO THE BAY.

**2. GET BACK TO BASICS! USE REGULAR – NOT ANTIBACTERIAL – SOAP** FOR HANDWASHING. AVOID PRODUCTS WITH THE ACTIVE INGREDIENT TRICLOSAN, A REGISTERED PESTICIDE THAT ACCUMULATES IN THE BODIES OF HUMANS AND CAN BE TOXIC TO AQUATIC ORGANISMS.

**3. USE FLUORESCENT LIGHTBULBS (CFLS) AND DISPOSE OF THEM SAFELY!** REMEMBER THAT CFLS CONTAIN SOME MERCURY SO WHEN YOU NEED TO DISPOSE OF THEM, BRING THEM TO THE HOUSEHOLD HAZARDOUS WASTE FACILITY. (SEE BACK COVER FOR LOCATIONS.)

**4. GET RID OF YOUR FAT THE RIGHT WAY – COOKING FAT, THAT IS!** DON'T POUR FATS, OILS, AND GREASE DOWN INDOOR DRAINS WHERE THEY CAN CLOG PIPES. CALL 1-800-SAV-R-BAY FOR GUIDANCE – OR CALL YOUR LOCAL SANITATION DISTRICT.

**5. RECYCLE USED MOTOR OIL.** A SINGLE OIL CHANGE, DUMPED IN A CREEK OR STORM DRAIN, CAN POLLUTE ALMOST SIXTEEN MILES OF CREEK. THAT'S LIKE DRIVING FROM THE GOLDEN GATE BRIDGE TO NOVATO! **IF YOU CHANGE YOUR OWN OIL, RECYCLE IT AT ONE OF MARIN'S FREE LOCATIONS – JUST CHECK THE BACK COVER!**



Photo: Susan Van Der Wal

# December 2009

USE REGULAR – NOT  
ANTIBACTERIAL – SOAP FOR  
HANDWASHING.





Photo: Craig Solin

**RIBBON FROM HOLIDAY PACKAGING MAY LOOK PRETTY TO THE HUMAN EYE, BUT THE SHARP EDGES CAN SEVER LEGS OF YOUNG BIRDS OR WRAP AROUND THEIR NECKS. MISTAKEN FOR FOOD, IT CAN CUT THEIR INTESTINES WHEN EATEN.**



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	 Photo: Susan Van Der Wal	1	2 FULL MOON ○	3	4	5
6	7	8	9 LAST QUARTER ◐	10	11	12 HANUKKAH BEGINS
13	14	15	16 NEW MOON ●	17	18	19
20	21 FIRST DAY OF WINTER	22	23	24 FIRST QUARTER ◑	25 CHRISTMAS DAY	26 KWANZAA BEGINS
27	28	29	30	31 NEW YEAR'S EVE FULL MOON ○		



**RECYCLE AND AVOID POLLUTION:** THE OIL FROM A SINGLE OIL CHANGE CAN POLLUTE ALMOST 16 MILES OF CREEK. THAT'S LIKE DRIVING FROM THE GOLDEN GATE BRIDGE TO NOVATO!

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## USED OIL AND FILTER CONTACTS

The following locations accept used motor oil, filters, batteries, and antifreeze. Call center for hours of operation and quantities accepted. For more information, call **1-800-CLEANUP** or visit **www.CLEANUP.org**

- Do NOT combine used oil and antifreeze in the same container.
- Do NOT mix these substances with any other materials. Doing so may mean they can't be recycled.
- If your oil or antifreeze are contaminated with another substance, bring them to the Household Hazardous Waste Facility.

## KEY CODE

A = Antifreeze  
B = Car Batteries  
O = Used Motor Oil  
F = Oil Filters  
C = State Certified Collection Centers\*

CITY	NAME	ADDRESS	PHONE	KEY CODE
Mill Valley	Jiffy Lube	374 Miller Avenue	415-383-6416	C O F B
Novato	Kragen Auto Parts	1400 S. Novato Blvd.	415-897-5338	C O B
	Novato Recycling Center	7576 Redwood Blvd.	415-892-7344	O F A B
	Oil Changer	133 Vintage Way	415-897-0134	C O F
	Pennzoil 10-Minute Oil Change	908 Diablo Avenue	415-898-5823	C O F A B
	Ron Cromwell Chevron	1549 S. Novato Blvd.	415-892-5393	C O F
San Rafael	Heyneman European	3155 Kerner Blvd.	415-499-1234	C O F A B
	Kragen Auto Parts	75 N Bellam Blvd.	415-454-5881	C O F B
	Kragen Auto Parts	1323 2nd Street	415-454-2963	C O F B
	Marin Recycling	565 Jacoby Street	415-485-5648	O F A B
	Pennzoil 10-Minute Oil Change	1524 Second Street	415-457-5823	C O F

## OTHER COLLECTION CENTERS

Mill Valley	Mill Valley Refuse (Curbside service – customers only)		415-457-9760	O F
Novato	Gross Field Airport (Airport clients only)	451A Airport Road	415-897-1754	O F B
San Rafael	Loch Lomond Marina	110 Loch Lomond Drive	415-454-7228	C O F

\*State Certified Collection Centers will pay you \$16 per gallon for your used oil upon request.



## STORMWATER CONTACTS FOR ILLEGAL DISCHARGES

To report illegal discharges to storm drains, creeks, or wetlands, call the numbers below or report a complaint online at [www.mcstoppp.org](http://www.mcstoppp.org). After normal business hours, call the County Sheriff's non-emergency line at 499-7233.

Belvedere – 435-3838	Larkspur – 927-5017	San Anselmo – 258-4616
County of Marin – 499-3748	Mill Valley – 388-4033 Ext. 118	San Rafael – 485-3342
Corte Madera – 927-5069	Novato – 899-8286	Sausalito – 289-4192
Fairfax – 458-2339	Ross – 453-8287 Ext. 163	Tiburon – 435-7354

**FOR RECYCLING INFO: WWW.MARINRECYCLES.ORG**

## WASTEWATER TREATMENT PLANTS AND SANITARY DISTRICTS

Almonte Sanitary District – 388-8775  
Alto Sanitary District – 388-3696  
Bollinas Co. Public Utility – 868-1224  
Central Main Sanitation – 459-1455  
City of Belvedere – 435-3838  
City of Mill Valley – 388-4033  
City of Sausalito – 289-4111  
County Sewer Maintenance District – 499-6524  
Homestead Sanitary District #1 – 388-4796  
Las Gallinas Valley Sanitary District – 472-1734  
Novato Sanitary District – 892-1694  
North Marin Water District – 897-4133  
Richardson Bay Sanitary District – 388-1345

## HOUSEHOLD HAZARDOUS WASTE DISPOSAL FACILITIES

Household hazardous waste like computer monitors, TVs, pesticides, paint, used oil, oil filters, fluorescent tubes, solvents, aerosol sprays, etc., can be properly managed free of charge through:

### ALL OF MARIN (EXCEPT NOVATO)

(Funded by the Marin County unincorporated areas and all cities and towns except Novato)  
565 Jacoby Street, San Rafael  
Tel: 485-6806  
Hours of Operation: Monday–Saturday 8 a.m. – 4 p.m.

Items not accepted include: explosives, ammunition (call the police department), radioactives, compressed gas cylinders (BBQ propane cylinders are accepted), and bio-waste. If you are unsure whether or not to bring an item, call first.

Satellite Sites – One day 40-car-by-appointment events will be held in West Marin at Bollinas, Point Reyes, and Woodacre throughout the year. Call for dates.

### NOVATO ONLY

(Funded by Novato Sanitary District and the City of Novato)  
7576 Redwood Blvd., Novato  
Tel: 892-7344

The Novato Recycling Center accepts car and household batteries, fluorescent tubes, motor oil, oil filters, latex paint, and antifreeze.  
Hours of Operation: Tuesday–Sunday 10 a.m.–4 p.m.

All other hazardous wastes from households will be accepted the 1st and 3rd Sundays and Mondays of each month from 8:30 a.m.–1:30 p.m.

Sanitary District #1 (Ross Valley) – 461-1122  
Sanitary District #2 (Corte Madera) – 927-5057  
Sanitary District #5 (Tiburon) – 435-1501  
San Rafael Sanitary District – 454-4001  
Sausalito-Marin City Sanitary District – 332-0244  
Sewerage Agency of Southern Marin – 388-2402  
Tamalpais Com. Serv. District – 388-6393



## BUSINESS HAZARDOUS WASTE DISPOSAL

Businesses generating very small amounts of hazardous waste can use the Household Hazardous Waste Facility in San Rafael or Novato by appointment. A charge will apply at both facilities.

In San Rafael, call 485-5648.

In Novato, call 892-6395.

## PHARMACEUTICALS

Dispose of over-the-counter drugs and medications properly. Visit [www.marinrecycles.org](http://www.marinrecycles.org) or call Environmental Health at 499-6907 for drop-off locations.

## GETTING RID OF SHARPS AND SYRINGES

"Sharps" (e.g., insulin needles) can be dropped off at the following locations: (Sharps must be in approved "sharps containers.")

Costco Pharmacy  
Elephant Pharmacy  
Household Hazardous Waste Facilities  
Jack's Drug Store  
Kaiser Permanente Pharmacies: San Rafael, Novato  
Longs Drugs: Greenbrae, Marin City, Mill Valley, Novato, San Anselmo, San Rafael  
Marin General Hospital Emergency Department  
Marin Medical Pharmacy  
Novato Community Hospital Laboratory  
Pharmaca Integrative Pharmacies  
Ross Valley Pharmacy  
Safeway Pharmacies: Camino Alto, Las Gallinas  
Walgreen Pharmacies: Mill Valley, San Rafael, San Anselmo  
West Marin Pharmacy



PARTIALLY FUNDED BY A GRANT FROM THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD  
ZERO WASTE – YOU MAKE IT HAPPEN!

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# PESTS BUGGING YOU?

CHOOSE PRODUCTS THAT ARE LESS TOXIC TO PEOPLE AND PETS

[www.ourwaterourworld.org](http://www.ourwaterourworld.org)

THE FIRST LINE OF DEFENSE AGAINST PESTS SHOULD BEGIN WITH PREVENTION – NOT PRODUCTS. HOWEVER, IF YOU SIMPLY MUST BUY A PRODUCT, USE THE LEAST TOXIC PRODUCT AVAILABLE!

THE FOLLOWING STORES PARTNER WITH MCSTOPPP IN A PROGRAM CALLED "OUR WATER – OUR WORLD."

**BAYSIDE GARDEN CENTER**  
**FAIRFAX ACE LUMBER & HARDWARE**  
**GOODMAN BUILDING SUPPLY**  
**GREEN JEANS**  
**JACKSON'S HARDWARE**  
**O'DONNELL'S NURSERY**  
**ORCHARD SUPPLY HARDWARE/OSH**  
**PINI ACE HARDWARE**  
**SLOAT GARDEN CENTERS**  
**SUNNYSIDE NURSERY OF MARIN**



NEXT TIME YOU VISIT ONE OF THE STORES LISTED ABOVE, LOOK FOR THIS SIGN NEXT TO PESTICIDE PRODUCTS THAT ARE SAFER FOR PEOPLE, PETS, AND THE ENVIRONMENT! THESE TAGS ARE PLACED BENEATH LESS TOXIC PRODUCTS AS THEY ARE DISPLAYED ON STORE SHELVES. THEY LIST THE NAME OF THE "SAFER" PRODUCT IN THE WHITE AREA OF THE TAG.

**REMEMBER!** WHAT **GOES** IN THE GARDEN **DOESN'T STAY** IN THE GARDEN! IT'S TRACKED INTO THE HOUSE ON SHOES, PET PAWS, CHILDREN'S TOYS, ETC.

## KEEP THIS IN MIND

- YOU CAN USE AN ORDINARY VACUUM TO GET RID OF PESTS. THE DUST INSIDE THE VACUUM BAG WILL KILL THEM.
- WHEN USING SOME LESS TOXIC PRODUCTS (E.G., BAIT STATIONS), IT MAY TAKE A DAY OR SO BEFORE YOU SEE THE NUMBER OF PESTS DECLINE.
- DON'T USE INSECTICIDES AROUND BAIT STATIONS. IT KEEPS THE PESTS FROM TAKING THE BAIT BACK TO THE NEST. WHEN "BAITING" FOR ANTS, KEEP IN MIND THAT THEY HAVE FOOD PREFERENCES. IF THE BAIT STATION ISN'T WORKING, TRY A DIFFERENT ONE. SOME STATIONS USE PROTEIN BAIT AND OTHERS USE A SWEET BAIT.
- IT'S BEST TO AVOID ANY BROAD-SPECTRUM PESTICIDE. THEY CAN KILL BENEFICIAL INSECTS AS WELL. GO WITH PRODUCTS THAT TARGET INDIVIDUAL PESTS WHENEVER POSSIBLE. IF YOU MUST USE A PRODUCT, SPOT TREAT – IT MAY NOT BE NECESSARY TO SPRAY THE WHOLE PLANT.
- INSECTICIDAL SOAPS DON'T WORK WITH HARD WATER BECAUSE THE CALCIUM, MAGNESIUM, AND IRON MAKE THE SOAP USELESS AGAINST INSECTS. (THESE MINERALS LEACH OUT THE FATTY ACIDS PRESENT IN THE SOAP.) IF YOU DO USE SOAP, MAKE SURE IT COVERS THE INSECT'S ENTIRE BODY!
- DON'T EXPECT TO SEE DEAD SNAILS WHEN USING IRON PHOSPHATE BAITS. THE SNAILS AND SLUGS STOP EATING AND GO AWAY TO DIE.
- BT IS POISONOUS TO CATERpillARS. IF YOU WANT BUTTERFLIES, DON'T USE ANY TYPE OF PESTICIDE THAT KILLS BUTTERFLY CATERpillARS.
- CHOOSING LESS TOXIC WEED KILLERS MAY REQUIRE ADDITIONAL APPLICATIONS AS THEY ARE "TOP-KILL ONLY." THE BEST METHOD OF CONTROLLING WEEDS IS PICKING THEM BEFORE THEY GO TO SEED.

# 2009

## JANUARY 2009

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## FEBRUARY 2009

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## OCTOBER 2009

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## NOVEMBER 2009

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## DECEMBER 2009

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