

Resume

Raymond F. Moritz

SAF Certified Forester # 241

ISA Qualified Tree Risk Assessor

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Urban Forestry Associates, Inc
209 San Anselmo Avenue
San Anselmo, CA 94960

Areas of Professional Expertise

- Arboriculture and Urban Forest Management
- Vista pruning, viewshed and privacy analysis
- Tree Care Specifications
- Tree Related Wildfire Ignition Forensics – More than 300 legal cases over 40 years
- Tree Failure Risk Assessments and post failure Analysis (ISA TRAQ certified)
- Vegetation Management Plans for Ignition Risk Mitigation & Fire Prevention
- Post Fire Cause and Origin Studies and Restoration Plans for Developed Landscapes and Wildlands
- Tree Appraisal (Valuation of Partial and Total Loss of trees and other vegetation)
- Pest and Disease Diagnosis
- Species Selection and Planting Specifications
- Vegetation Analysis, Evaluation, Management and Maintenance
- Aerial Photography and Imagery Interpretation

Professional Experience- 42 years of Arboricultural Consulting, Fire Prevention and Post Fire Restoration Plans

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| 1978 -2023 | Forensic Consultant / Expert in more than 300 legal cases concerning arboriculture (tree health, tree failure risk and tree appraisal) issues and wildfire cause and recovery |
| 2020-present | Advisor to Marin Wildfire Prevention Authority |
| 2020 | Fire impact assessment and loss appraisal, “Kincade Fire” |
| 2019 – 2020 | Tubbs Fire Tree Prognosis and Restoration Plan – Fountaingrove OSMA |
| 2019 - 2020 | Cause and Origin Study, Restoration Planning and Loss Appraisal “Woolsey Fire” |
| 2018 – 2020 | Restoration Assessment for the “Erskine Fire” Kern County for California DOJ |
| 2018 | Restoration Planning for the “Tubbs”, “Atlas” and “Nuns” Fire Complex |
| 2017-present | Town of Fairfax Arborist |
| 2017 | ISA (TRAQ) Qualified Tree Risk Assessor |
| 2016 | Restoration Planning of 300 “Butte Fire” properties. |
| 2007 to Present | Consultant to California DOT Caltrans |
| 2014 | Expert consultant on tree risk, tree appraisal and fire cause analysis for the California State Attorney General’s Office |
| 2011 | International Society of Arboriculture – MW Chapter Certified Tree Risk Assessor |

2010 Speaker at Bay Friendly Landscaping Training Workshop

2009 Principal Presenter California Urban Forestry Council - Fire in the Urban Forest

2004-2009 San Francisco Chronicle, Feature columnist for Home & Gardening Section - Ask an Arborist

2002-2004 Board of Directors and Executive Committee - California Oak Mortality Task Force (COMTF)

2000 American Society of Consulting Arborists "Consulting Academy and Membership

1997-2002 & 2017 Principal Instructor in Vegetation Fuels Management, California Conservation Corps, Marin Conservation Corps & Conservation Corps North Bay.

1997, 1998 Speaker: Firescaping, Pesticide Applicators Professional Association (PAPA)

1998- Present Marin Co. Department of Public Works – Roads Division - Tree Hazard Consultant

1998-2000 Speaker: California Tree Failure Report Annual Meeting, UC Cooperative Extension.

1998 Speaker: Fire Damaged Tree Assessment and Mitigation, Annual Meeting, American Society of Consulting Arborists (ASCA)

1999, 2000 Chair of the Education & Steering Committee of the Strategic Oak Management Task Force

1999, 2000 Speaker: Firescaping Continuing Education Program, WCISA

1997 Speaker: International Master Gardeners Conference

1995-1997 Instructor: Marin County Fire Inspector Training, FireSafe Marin, Inc.

1995 Speaker: California Fire Instructors Workshop '95, California Training Officers Association

1992 - 1997 Co-founder and staff consultant for FireSafe MARIN.

1991-1993 Fire Ecologist, MMWD/MCOSD Mt. Tamalpais Area Vegetation and Fuel Management Plan

1990-1991 Technical Editor, Chronicle Books

1988-2006 Senior Urban Forester/Arborist - Moritz Arboricultural Consulting & Landscape F.I.R.E.S. 1988)

1983-1997 Firefighter and Safety Officer, Bolinas Fire Protection District, Bolinas, CA.

1981 Visiting Professor of Silviculture: Rainforest and Cloud Forest Canopy Ecosystems Studies, Instituto de Biologia, University of Mexico, UNAM Mexico City, Mexico

1978-1988 Arboricultural & urban Forestry Consultant, Pacific Slope Tree Company, Bolinas, California

1977 Thesis: Strategies for the Restoration of Fire Dependent Forest Communities, NC Region

1977 Research Assistant: Silviculture design of a biomass fuel forest, Minnesota Department of Energy

1976-1978 Researcher: Project NC-126, Campground User Impact Study, USDA Forest Service, North Central Experiment Station

- 1975-1976 Research: The Pine Restoration Project for Itasca State Park, Minn.
- 1968-1972 Vice President and Hearings Editor of "Illinois Environmental News", Environmental Legislation, Litigation, and Administrative Procedures in the State of Illinois

Education

- 1976 Awarded Bachelor of Science with honors: Forestry, University of Minnesota, College of Natural Resources. Minor areas of study: Silviculture and Forest and Fire Ecology. Elected to Xi Sigma Pi, the international honor society for forestry and related sciences.
- 1976-1978 Graduate work in Silviculture Ecology, University of Minnesota

Professional Affiliations

- Society of American Foresters, Certified Forester # 241
- International Society of Arboriculture (ISA)
- Western Chapter ISA, TRAQ Tree Risk Assessor Qualified
- International Association of Wildland Fire

Experienced Expert Witness (More than 300 cases as a consultant or expert, 1977 to Present)

Civil litigation cases:

- Assessment of condition of woody vegetation
- Valuation of damaged or removed trees
- Tree risk assessment
- Negligence in vegetation management
- Tree maintenance: disputes, view and solar access, property line, co-tenancy, etc.
- Vegetation identification, traits & characteristics
- Vegetation management for erosion control and slope stability
- Fire investigation: cause & origin, and ignition risk potential
- Wildland and landscape fire behavior & prevention
- Fire damage assessment, restoration and appraisal

California Courts Certified:

- Alameda, Contra Costa, Humboldt, Marin, Mendocino, Napa, Nevada, Sacramento, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano, Sonoma, Yolo.

Publications (since 1996)

- Ask an Arborist - more than 60 columns, San Francisco Chronicle, Home & Garden
- Firescaping - Western Chapter International Society of Arboricultural
- Firescaping - Forest Stewardship Newsletter, California Department of Forestry (CDF)
- Fire Damaged Tree Assessment - American Society of Consulting Arborists (ASCA)
- Fire Resistant Trees and Shrubs, U.C. Cooperative Extension
- Defensible Space Works - Do it Safely, UC Cooperative Extension
- FireScape '96", FireSafe MARIN
- Phoenix Report - (Recovery plan for the Inverness fire zone), EAC, Inc
- Pyrophytic vs Fire Resistant Plants, HortScript Journal No. 18, U.C. Press
- Pyrophytic vs Fire Resistant Plants, U.C. Cooperative Extension
- Defensible Space - Do It or Lose It, International Master Gardeners

Columnist - San Francisco Chronicle – Selected articles:

| Date | Title of Article | Published by |
|-------------|--|---------------------------------|
| 12/29/2004 | Festive berries brighten winter gardens | Ask the Arborist - SF Chronicle |
| 01/05/2005 | Rainy days, big trees: What you can do | Ask the Arborist - SF Chronicle |
| 02/02/2005 | No need to wine dine native oaks | Ask the Arborist - SF Chronicle |
| 03/02/2005 | When car smashes into tree | Ask the Arborist - SF Chronicle |
| 03/30/2005 | Tips on detouring garden nibblers | Ask the Arborist - SF Chronicle |
| 04/06/2005 | Taking care to avoid sudden oak death | Ask the Arborist - SF Chronicle |
| 05/04/2005 | Frankenstein pine | Ask the Arborist - SF Chronicle |
| 06/01/2005 | Beware of planting aggressive pioneer trees | Ask the Arborist - SF Chronicle |
| 07/06/2008 | Construction guys: Tread lightly around trees please | Ask the Arborist - SF Chronicle |
| 08/03/2005 | Redwoods can tolerate topping | Ask the Arborist - SF Chronicle |
| 09/07/2005 | Tips for locating, interviewing and hiring the right pro | Ask the Arborist - SF Chronicle |
| 10/05/2005 | Oak forest taking a pounding | Ask the Arborist - SF Chronicle |
| 11/30/2005 | Pruning poplars is job for professionals | Ask the Arborist - SF Chronicle |
| 12/07/2005 | Keep your trees healthy and safe in winter | Ask the Arborist - SF Chronicle |
| 12/14/2005 | Trees go dormant in cold weather, but still need care | Ask the Arborist - SF Chronicle |
| 01/04/2006 | California colors don't limit themselves to fall flourish | Ask the Arborist - SF Chronicle |
| 02/01/2006 | Fallen trees may be tax-deductible | Ask the Arborist - SF Chronicle |
| 03/01/2006 | Stalking the sap-licking squirrel | Ask the Arborist - SF Chronicle |
| 03/29/2006 | Vanquish villainous vines | Ask the Arborist - SF Chronicle |
| 04/05/2006 | Salty soil makes poor homes for plants | Ask the Arborist - SF Chronicle |
| 05/05/2006 | Many ways to keep property safe from fire | Ask the Arborist - SF Chronicle |
| 06/10/2006 | In Bay Area, April showers brought tree disease in May | Ask the Arborist - SF Chronicle |
| 07/05/2006 | Decay not a death sentence for all trees | Ask the Arborist - SF Chronicle |
| 08/09/2006 | Be careful mixing chemicals and trees | Ask the Arborist - SF Chronicle |
| 08/30/2006 | Redwoods stressed but not in danger | Ask the Arborist - SF Chronicle |
| 09/06/2006 | Trees help stabilize stream banks | Ask the Arborist - SF Chronicle |
| 10/07/2006 | Looming wet season best time to plant | Ask the Arborist - SF Chronicle |
| 11/01/2006 | Giving new tree healthy start | Ask the Arborist - SF Chronicle |
| 12/02/2006 | Dueling Views on planting trees | Ask the Arborist - SF Chronicle |
| 12/09/2006 | Redwoods tree's sprouts are a growing concern | Ask the Arborist - SF Chronicle |
| 02/03/2007 | Tree, heal thyself - tendency to plug holes in trunks | Ask the Arborist - SF Chronicle |
| 03/03/2007 | Redwoods dropping branches a common problem | Ask the Arborist - SF Chronicle |
| 04/07/2007 | Topping your eucalyptus trees could be dangerous | Ask the Arborist - SF Chronicle |
| 05/05/2007 | Cable embedded in redwood causes concern | Ask the Arborist - SF Chronicle |
| 06/02/2007 | Look out for owls nest before trimming trees | Ask the Arborist - SF Chronicle |
| 07/01/2007 | Bees in trees not a big problem | Ask the Arborist - SF Chronicle |
| 08/04/2007 | Some eucalyptuses actually make good, tough street | Ask the Arborist - SF Chronicle |
| 08/31/2007 | Blackwood acacia makes nice lumber | Ask the Arborist - SF Chronicle |
| 08/31/2007 | Ask the Arborist- Barrier can halt invading poplar roots | Ask the Arborist - SF Chronicle |
| 09/01/2007 | Root issues keep magnolias off side streets | Ask the Arborist - SF Chronicle |
| 10/06/2007 | Ask the Arborist- Sudden Oak death still alive and well | Ask the Arborist - SF Chronicle |
| 11/03/2007 | Ask the ArboristB Make way for firefighters, clear landscape | Ask the Arborist - SF Chronicle |
| 12/01/2007 | Don't dismay over tree decay | Ask the Arborist - SF Chronicle |
| 01/12/2008 | More than one way to keep jack frost at bay | Ask the Arborist - SF Chronicle |
| 02/09/2008 | Wet Weather poses problems for winter planters | Ask the Arborist - SF Chronicle |

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| 03/01/2008 | Beware taking on the cranky avocado tree | Ask the Arborist - SF Chronicle |
| 03/01/2008 | Meyer lemons, cherries thrive in coastal areas | Ask the Arborist - SF Chronicle |
| 04/05/2008 | Vines use trees for their own survival | Ask the Arborist - SF Chronicle |
| 05/03/2008 | Many ways to keep property safe from fire | Ask the Arborist - SF Chronicle |
| 06/07/2008 | How to evaluate fire damage to trees | Ask the Arborist - SF Chronicle |
| 07/05/2008 | California bay laurel will return after cutting | Ask the Arborist - SF Chronicle |
| 08/02/2008 | Fine the right predator to zap whiteflies | Ask the Arborist - SF Chronicle |
| 09/06/2008 | Let bay laurel logs season before burning | Ask the Arborist - SF Chronicle |
| 01/03/2009 | Oak trees' revenge >drippy nut= | Ask the Arborist - SF Chronicle |