

Curriculum Vitae

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Education:

M.S. Range Management, University of Arizona, Tucson, Arizona, 1992. "Feeding Stations of feeder lambs (*Ovis aires*) as an indicator of diminished forage quality and supply while grazing south central Arizona alfalfa (*Medicago sativa* L.)"

B.S. Agricultural Science & Management Specializing in Animal Science, University of California, Davis, California, 1980.

Certification and Awards:

Certified Rangeland Manager #23; California Section of the Society for Range Management. 1995-.
Certified Professional in Rangeland Management #CP01-495; Society for Range Management. 2001-.
Certificate of Recognition DANR North Coast & Mountain Region *Outstanding Contribution to the Implementation of the State Rangeland Water Quality Plan 2001*

Professional Experience:

10-97 to 10-04 County Director – Mendocino County, University of California Cooperative Extension

10-98 to 6-02 County Director – Lake County, University of California Cooperative Extension

9-91 to present Livestock & Natural Resources Advisor - Mendocino & Lake Counties University of California Cooperative Extension, North Coast and Mountain Region, Ukiah, California.

6-82 to 9-91 Livestock, Range, Forage & Cereal Grains Extension Agent - Pinal County, University of Arizona Cooperative Extension, Casa Grande, Arizona.

Publications:

Peer reviewed publications

1. Harper, J. M. 1992. Feeding Stations of Feeder Lambs (*Ovis aires*) As An Indicator of Diminished Forage Quality and Supply While Grazing South Central Arizona Alfalfa (*Medicago sativa* L.). MS Thesis. University of Arizona. 71 pp.
2. Harper, J. M. and G. B. Ruyle. 1992. Management Implications of Feeder Lamb Grazing Behavior. J. Anim. Sci. 70(1):166.
3. Alhadhrami, G., J. T. Huber, J. M. Harper and A. Al-Dehneh 1993. Effect of Adding Varying Amounts of Urea on Preservation of High Moisture Alfalfa Hay. J. Dairy Sci. 76:1375-1386
4. Giusti, G., and J.M. Harper. 1993. Wild Pig Expansion and Economic Impacts in Mendocino County, California. Wild Pig Symposia, May 25–26, San Luis Obispo, CA.
5. Harper, J. M., M.R. George, and K.W. Tate. 1997. California Rangeland Watershed Program's Rangeland Water Quality Letter of Intent Software., SRM National Meeting, February 16-21, Rapid City, SD.
6. Harper, J. M. 1997. The Tomki Video - Educational Materials for Teaching Ranchers About Water Quality. SRM National Meeting, February 16-21, Rapid City, SD.

7. Harper, J. M. and S. Larson. 1998. Rangeland Water Quality Planning on California's North Coast - Making Voluntary Compliance a Reality. SRM National Meeting, February 7-13, Guadalajara, Mexico.
8. George, Melvin R., John Harper, Stephanie Larsen, Bill Weitkamp, Holly George, and Leonard Jolley. 1998. Implementing California's Rangeland Water Quality Management Plan: Ranch Water Quality Management Planning Short Courses for rangeland owners. *In*: Donald E. Potts (ed). 1998. Proceedings of AWRA Spec. Conf., Rangeland Management and Water Resources. Amer. Water Res. Assoc., Herndon, VA, TPS-98-1, 299 pp.
9. D.J. Lewis, K.W. Tate, and J.M. Harper. 1999. Sediment Delivery Inventory and Monitoring: A Water Quality Tool for Landowners. Proceedings of the Natural Resources Continuing Conference - Salmon and Steelhead Training, March 9-11. UC Bodega Marine Laboratory, Bodega, CA.
10. Lewis, D.J., K.W. Tate, and J.M. Harper. 1999. Sediment Delivery Inventory and Monitoring. 7th National Nonpoint Source Monitoring Workshop. Morro Bay, CA. USEPA, Morro Bay National Estuary Program, Central Coast WQCB, and Cal Poly San Luis Obispo.
11. Harper, J. M., M. R. George, S. Larson, B. Weitkamp and L. Jolly. 1999. Education and Planning: An Effective BMP for Private Landowners. 7th National Nonpoint Source Monitoring Workshop. Morro Bay, CA. USEPA, Morro Bay National Estuary Program, Central Coast WQCB, and Cal Poly San Luis Obispo.
12. Vance, L., K. W. Tate, and J. M Harper. 1999. Evaluating Canopy Impacts on Water Temperatures in Coastal Streams: the Importance of the Air-Water Temperature Relationship. 7th National Nonpoint Source Monitoring Workshop. Morro Bay, CA. USEPA, Morro Bay National Estuary Program, Central Coast WQCB, and Cal Poly San Luis Obispo.
13. George, M. R., J. M. Harper and S. Larson. 1999. Ranch Water Quality Planning and Implementation on California's North Coast. 7th National Nonpoint Source Monitoring Workshop. Morro Bay, CA. USEPA, Morro Bay National Estuary Program, Central Coast WQCB, and Cal Poly San Luis Obispo.
14. Lewis, D.J., K.W. Tate, and J.M. Harper. 1999. Sediment Inventory and Monitoring a Water Quality Tool for Landowners. UC-DANR Statewide Conference. February 9 & 10. Sacramento, CA.
15. George, M. R., J. M. Harper, S. Larson and L. Jolley. 2000. Ranch Water Quality Planning: A Short Course for Rangeland Owners. 2nd National Extension Natural Resources Conference. May 16-18, South Lake Tahoe, NV.
16. D.J. Lewis, K.W. Tate, and J.M. Harper. 2000. Sediment Delivery Inventory and Monitoring: A Method for Water Quality Management in Rangeland Watersheds. UC-DANR Publication 8014.
17. J. M. Harper. 2000. Software Tools for Rangeland Management Plans. 72nd Annual Meeting Western Section American Society of Animal Science. June 21-23. Davis, CA.
18. Lewis, D.J., K.W. Tate, J.M. Harper, and G. Markegard. 2001. Sediment Delivery Monitoring: A Water Quality Tool for California Rangeland Watersheds. Pg 74. *In*: Proceedings of the Society for Range Management 54th Annual Meeting, Kailua-Kona, HI.
19. Lewis, D.J., K.W. Tate, J.M. Harper, and J. Price. 2001. Locating of Sediment Source Sites on California North Coast Rangelands. *California Agriculture*, V55 (4):32-038.
20. Lewis, D.J., L. Vance, K.W. Tate, C. Battaglia, and J.M. Harper. 2001. Stream Temperature in the Garcia River: The Relationships of Air Temperature, Canopy, and Geographic Position to Stream Thermodynamics. *In*: Riparian and Floodplain Conference Proceedings, Sacramento, CA USDA, USFS.
21. Dahlgren, R. A., K. W. Tate, D.J. Lewis, E. R. Atwill, J.M. Harper, B.H. Allen-Diaz. 2001. Watershed research examines rangeland management effects on water quality. *California Agriculture*. 55:64-71.
22. George, M. R., J. M. Harper, S. Larson and L. Jolley. 2002. California's Ranch Water Quality Short Course. *In*: Proceedings of the Society for Range Management 55th Annual Meeting, Kansas City, MO. Rangelands Vol. 23 #5. February 13-19, 2002
23. Lennox, M. S., D. J. Lewis, R. Jackson, C. F. Battaglia, K. W. Tate, B. Allen-Diaz, S. Larson, and J. M. Harper. 2002. University of California Riparian Revegetation Evaluation. SER's 14th Annual International Conference, Tucson, Arizona.

24. Harper, J. M., A. Ruddell, S. Larson, and G. Markegard. 2002. Cattle College: Bringing the Yellow Book to Life on the Coast – A Multi-State Collaboration. Proceedings, Western Section, American Society of Animal Science. V53. CO.
25. Larson, S., K. R. Smith, M.R.George, H. George, D.J. Lewis, and J.M. Harper. 2002. Results of ranch water quality planning short course conducted through California's state wide survey. In: Proceedings of the Society for Range Management 56th Annual Meeting, Casper, WY.
26. Harper, J. M., K.M. Klonsky, and R. L. De Moura. 2002. University of California Cooperative Extension 2002 Sample Costs to Establish and Produce Pasture North Coast Mendocino County. PA-NC-02. 20 pgs.
27. Bianchi, M., J.M. Harper and K.W. Tate. 2002. Reference Sheet 3.1 Practices for Reduction of Nonpoint Source Pollution from Irrigated Agriculture. Farm Water Quality Planning Series. UC-DANR Publication 8075.
28. Fallon, J. and J.M. Harper. 2002. Reference Sheet 7.4 Farm Maps. Farm Water Quality Planning Series. UC-DANR Publication 8061.
29. Bianchi, M., A. Jones, and J.M. Harper. 2002. Reference Sheet 8.4 Priority Watersheds. Farm Water Quality Planning Series. UC-DANR Publication 8074.
30. Bianchi, M., A. Jones, and J.M. Harper. 2002. Reference Sheet 8.5 Self-determined Compliance. Farm Water Quality Planning Series. UC-DANR Publication 8076.
31. Bianchi, M., A. Jones, T. Harter, and J.M. Harper. 2002. Reference Sheet 8.1 Water Pollution Control Legislation. Farm Water Quality Planning Series. UC-DANR Publication 8088.
32. Larson, S., K. R. Smith, M.R.George, H. George, D.J. Lewis, and J.M. Harper. 2004. Ranch Water Quality Planning Short Course California's State Wide Survey. 2nd National Conference on Grazing Lands - Nashville, TN.
33. Tate, K.W., C. Battaglia, D.J. Lewis, L.Vance and J.M. Harper. 2004. Stream Temperature in the Garcia River: The Relationships of Air Temperature, Canopy and Geographic Position to Stream Temperature
34. Lennox, M., D.J. Lewis, R. Jackson, J.M. Harper, R. Katz, S. Larson, B. Allen-Diaz, and K.W. Tate. 2004. Riparian Revegetation Evaluation In North Coastal California. The American Water Resources Association Olympic Valley, CA
35. Larson, S., K. R. Smith, M.R. George, H. George, D.J. Lewis, and J.M. Harper. 2004. Evaluation of California's Rangeland Water Quality Education Program *In Press: Journal of Range Management*
36. George, M.R., J.M. Harper, S. Larson, R.E. Larsen, and N.K. McDougald. 2005. Implementation, Participation And Evaluation Of A Voluntary Water Quality Protection Program For Grazingland Owners And Managers. In: Proceedings of XX International Grassland Congress – Grasslands – a Global Resource. University College, Dublin, Ireland.
37. George, M.R., S. Barry, S. Larson, N. K. McDougald, T. A. Ward, J.M. Harper, D. Dudley, R. Ingram. 2005. Comparison Of Comparative Yield And Stubble Height For Estimating Herbage Standing Crop In Annual Rangelands. *Accepted Journal of Range Management*.

Non-Peer reviewed

1. Harper, J. M. 1991. Flight Plans Over Your Rangelands. In: Mendocino County Farm Bureau News. November. p 15.
2. Harper, J. M. 1991. Free \$\$\$ or How to Make It With Stocker Cattle. In: Mendocino County Farm Bureau News. December. p 15.
3. Harper, J. M. 1992. Recognition and Prevention of Three Common Nutritional Disorders of Sheep and Cattle. In: Mendocino County Farm Bureau News. January. p 7.
4. Dally, M. R, J. M. Harper and P. J. Tinnin, editors. 1992. Wool Production School Proceedings; April 3–5; Ukiah and Hopland, California. Hopland Field Station Publication 103. 93 pp.
5. Harper, J. M. 1992. Sheep Breeds and Their Wool. In: Dally, M. R, J. M. Harper and P. J. Tinnin, editors. 1992. Wool Production School Proceedings; April 3–5; Ukiah and Hopland, California. Hopland Field Station Publication 103. pp. 1–5.

6. Harper, J. M. 1992. Mendocino County Farm Advisors Computer Help Sheet #1 – Basic DOS Commands. October 16. 4pp.
7. Harper, J. M. 1992. Mendocino County Farm Advisors Computer Help Sheet #2 – More Basic DOS Commands. October 23. 4pp.
8. Harper, J. M. 1992. What to Do With Sheep During Drought. Care and Management of Cattle and Sheep During Drought; October 26–27; UCD Dept. of Animal Science. 6pp.
9. Harper, J. M. 1992. Economics of Multiple Births and Ultrasonography. Managing for Multiple Births; November 4; UCD Dept. of Animal Science, Hopland Research and Extension Center. 13pp.
10. Harper, J. M. 1993. Balance Ration Worksheet. March 11; Willits, California. 10pp.
11. Harper, J. M. 1993. 1992 Mendocino County Predation Survey Results. August 13; Mendocino County Board of Supervisors, Ukiah, California. 20pp.
12. Harper, J. M. 1993. Scanning Text Files For Use In Word Processed Documents. In: Northern Light, University of California, DANR, North Region. September/October. Vol. 5, No. 9. P 4-5.
13. Harper, J. M., editor. 1994–present. Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. Four issues per year.
14. Harper, J. M. 1994. Computer Tip for Designer 4.0a. In: Northern Light, University of California, DANR, North Region. April 1994. Vol. 6, No.4. p 5.
15. Harper, J. M. 1994. 1994 Mendocino County Predation Results. August 17; Mendocino County Board of Supervisors, Ukiah, California. 5pp.
16. Harper, J. M. 1994. Matching Feed Supply & Demand. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. December 1993. Vol. 1, No. 1. pp 2–3.
17. Harper, J. M. 1994. Rangeland Riparian Areas. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. December 1993. Vol. 1, No.1. pp 3–5.
18. Harper, J. M. 1994. Barb Goatgrass Alert. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. June 1994. Vol. 1, No. 2. p 1.
19. Harper, J. M. 1994. Rangeland Water Quality Management Plan Considerations. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. June 1994. Vol. 1, No. 2. pp 2–4.
20. Harper, J. M. 1994. Rangeland Reform ‘94. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. June 1994. Vol. 1, No. 3. pp 1–2.
21. Harper, J. M. 1994. Ewe Condition Scores. In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. July 1994. Vol. 1, No. 4. pp 1–2.
22. Harper, J. M. 1994. What is RMAC? In: Grazer’s Gazette–A Newsletter about Livestock, Pastures and Rangeland. July 1994. Vol. 1, No. 4. pp 2–4.
23. Harper, J. M., editor. 1995–present. The Shepherd’s Sentinel–A Newsletter for the Members of the Mendocino and Lake Counties Wool Growers Association. Four issues per year.
24. Harper, J. M. 1995. Wool Plucking or Chewing in Lambs. In: The Shepherd’s Sentinel–A Newsletter for the Members of the Mendocino and Lake Counties Wool Growers Association. March 1995. Vol. 1, No. 1. pp 1–2.
25. Harper, J. M. 1995. Hoggett Herders: Useful Terms for Describing Sheep and Wool. In: The Shepherd’s Sentinel–A Newsletter for the Members of the Mendocino and Lake Counties Wool Growers Association. March 1995. Vol. 1, No. 1. pp 2–3.
26. Harper, J. M. 1995. Ram Soundness Evaluation. In: The Shepherd’s Sentinel–A Newsletter for the Members of the Mendocino and Lake Counties Wool Growers Association. June 1995. Vol. 1, No. 2. pp 1–3.
27. Harper, J. M., D. A. Bengston 1995. 1995 Mendocino County Animal Damage Control Report. August 17; Mendocino County Board of Supervisors, Ukiah, California. 7pp.
28. Harper, J. M., M. Cahn, C. Myers and M. Poe, 1995. Navigating the Internet and World Wide Web – A University of California CE–Link Program. Supplemental reference to the video-tape of December 5, 1995 satellite program. 9 pp.
29. Harper, J. M. 1998. University of California Cooperative Extension Mendocino County Annual Report 1997-1998. 8 pp.

30. Harper, J. M. 1999. Rangeland Water quality Management Plan Training Program. Beef & Range Field Day, UC SFREC. April 22. 4 pp.
31. Harper, J. M. 1999. University of California Cooperative Extension Mendocino and Lake Counties Annual Report 1998-1999. 8 pp.
32. Lewis, D.J., K.W. Tate, and J.M. Harper. 1999. Sediment Delivery Inventory and Monitoring: A Water Quality Tool for Landowners. UCCE Natural Resources Continuing Conference: Salmon and Steelhead Training. Pg 5-6.
33. Harper, J. M. 2000. Lake County Profile In: DANR North Coast and Mountain Region County Profiles. First Edition. Agriculture and Natural Resources. October 2000. P 6-7.
34. Harper, J. M. 2000. Mendocino County Profile In: DANR North Coast and Mountain Region County Profiles. First Edition. Agriculture and Natural Resources. October 2000. P 10-11.
35. Harper, J. M., K. A. Rodrigues, S.C. Blank and Q. Paris. 2000. Using Linear Programming as a Management Decision aid for CE Regional Planning - A Planning Paper. 3 pp.
36. Harper, J. M. 2001. University of California Cooperative Extension Mendocino and Lake Counties Annual Report 2000-2001. 8 pp.
37. Harper, J. M. 2002. University of California Cooperative Extension Mendocino and Lake Counties Annual Report 2001-2002. 8 pp.
38. Harper, J. M. 2001. Water Quality Issues in the North Coast Subregion. North Coast & Mountain Region CD Meeting. Eureka, CA, September 13, 2001. 3 pp.
39. Harper, J. M. 2001. Cooperative Extension & ANR Who We Are. Lake County Department Heads Meeting. Lakeport, CA, October 19, 2001. 3 pp.
40. Harper, J. M. 2002. Photo Monitoring for Vineyards. Vineyard Water Quality Planning Shortcourse. Mendocino College, Ukiah, CA, February 20, 2002. 3 pp.
41. Tate, K. W., D. J. Lewis, J. M. Connor, N. K. McDougald, J. M. Harper, R. E. Larsen, C. F. Battaglia, Y. Sado, T. Randolph, D. Labadie, R J. Keiffer, and M. Hall. 2002. A Survey of Natural Resource Professionals on Threats to Water Resources on California Rangelands – Final Report to California Department of Forestry and Fire Protection. 107 pp.
42. Harper, J.M. 2002. Science Behind Riparian Buffers. University of California Cooperative Extension Mendocino County. 9 pp.
43. Harper, J. M. 2002. Mendocino County Animal Agriculture. Leadership Mendocino. Hopland, CA, October 11, 2002. 4 pp.
44. Harper, J. M. 2002. Is Intensive Grazing Management Economical? Covelo Cattlemen's Tour. Covelo, CA, November 2, 2002. 5 pp.
45. Harper, J.M. 2002. Sheep Production and Management on California's Annual Grassland. Annual Grassland Short Course- Davis, December 10-12, 2002. 8 pp.
46. Ward, T.A., K.W. Tate, E.R. Atwill, D.F. Lile, D.L. Lancaster, N. McDougald, S. Barry, R.S. Ingram, H.A. George, W. Jensen, W.E. Frost, R. Larsen, J. Harper, M. Horney, G.G. Markegard, S. Larson, R. Phillips, R. Delmas, J. Farley, L. Forero. 2002. Grazing California's Annual Grassland Riparian Areas- Newest Research and Future Questions. Annual Grassland. Annual Grassland Short Course- Davis, December 10-12, 2002.
47. Lewis, D.J., J.M. Harper, J. Christian-Smith, R. Sanford, and J. Romm. 2004. Situational Analysis of the Mendocino County Water Agency Final Report. 174 pgs.

Video tapes & multimedia

1. Salmon, Terrell P. and J. M. Harper, 1993. Magical Media Computer Aides For Extension Programming. June 6. North Regional Retreat, Reno, NV. 20:19:00 minutes.
2. Harper, J. M., T. Schott and M. Poe, 1995. Tomki Watershed – A Project of Community Concern. September 1, 1995. DANR Communication Services and Mendocino County Resource Conservation District. 20 minutes.

3. Harper, J. M., S. Larson, C. Myers, M. VanVliet, Terrell P. Salmon and M. Poe, 1995. Beginning Eudora – A University of California CE–Link Satellite Program. Air date: September 11, 1995. DANR Communication Services. 60 minutes.
4. Harper, J. M., S. Larson, C. Myers, M. VanVliet, Terrell P. Salmon and M. Poe, 1995. Advanced Eudora – A University of California CE–Link Satellite Program. Air date: October 2, 1995. DANR Communication Services. 60 minutes.
5. Harper, J. M., M. Cahn, C. Myers, Terrell P. Salmon and M. Poe, 1995. Navigating the Internet and World Wide Web – A University of California CE–Link Satellite Program. Air date: December 5, 1995. DANR Communication Services. 87 minutes.
6. Harper, J. M., T. Schott and M. Poe, 2002. Tomki Watershed – A Project of Community Concern. ANR on UCTV, #5590 - 20 minutes. Aired various dates and times - also present on web site.

Computer Programs, World Wide Web Pages, email lists

1. Harper, J. M., M. R. George and K. Tate, 1995. Rangeland Water Quality Letter of Intent Computer Template for MS Word for Windows and WordPerfect for Windows. December 5, 1995 beta.
2. Harper, J. M., 1994–1998. Moderator. PC-Presents email list. Forum for providing information and advice to subscribers on computer technology – both hardware and software. Serves North Region and DANR.
3. Harper, J. M., editor and webmaster. September, 1995–present. University of California Cooperative Extension Livestock and Natural Resources Home Page, URL: <http://danr.ucop.edu/uccelr/.html>. Contains additional Web pages on range livestock production and management, range improvements and management, rangeland hydrology, non–point source pollution and water quality, integrated hardwoods range management, wildlife management, livestock and natural resources economics and livestock health topics. Current cooperators include: Mel George, Ken Tate, Jim Oltjen, Steve Blank, Rick Standiford, Robert Timm, Greg Giusti and Terrell Salmon. Last updated December 2002.
4. Harper, J. M., editor and webmaster. November, 1997–present. California Section of the Society for Range Management Web Site, URL: <http://www.casrm.org>. Contains Web pages describing the Section, Officers, Directors, Committees and Membership Directory. Also has links to sites with range information. Last updated July 2002.
5. Harper, J. M., M.R. George and K.W. Tate.1996. Rangeland Water Quality Letter of Intent Computer Template for MS Word for Windows and WordPerfect for Windows version 1.01.
6. Harper, J. M., M.R. George and K.W. Tate.1998. Rangeland Water Quality Laws and Background Information. A self -running computer presentation created with Astound software.
7. Harper, J. M., M.R. George and K.W. Tate.1998. Identifying NPS Problems on Your Land. A self -running computer presentation created with Astound software.
8. Harper, J. M., M.R. George and K.W. Tate. 2000. Rangeland Water Quality Planning Program Computer Template for MS Word for Windows version 2.0.
9. Harper, J. M., editor and webmaster. 2002. UCCE Mendocino County Web Site. URL: <http://cemendocino.ucdavis.edu/> Last updated January, 2005.