

1 EXHIBIT A: CURRICULUM VITAE

2 **PETER BRIGGS MOYLE**

3 **Department of Wildlife, Fish, and Conservation Biology**

4 **And**

5 **Center for Integrated Watershed Science and Management**

6 **University of California, Davis**

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10
11 **EDUCATION**

12	1964	University of Minnesota	B.A.	-	Zoology
13	1966	Cornell University	M.S.	-	Conservation
14	1969	University of Minnesota	Ph.D.	-	Zoology

15
16 **UNIVERSITY POSITIONS**

17	1969 - 1972	Assistant Professor, Biology, California State University, Fresno, CA
18	1972 – present	Assistant to Full Professor, University of California, Davis, California
19	1982 - 1987	Chair, Department of Wildlife & Fisheries Biology, University of
20		California, Davis, California
21	2002-present	Associate Director, Center for Integrated Watershed Science and
22		Management UCD

23
24 **PROFESSIONAL SOCIETIES/ORGANIZATIONS**

25 American Fisheries Society (national & local chapters); American Society of Ichthyologists and
26 Herpetologists; Ecological Society of America; Desert Fishes Council; Society for Conservation
27 Biology; AAAS; AIBS

1 **AWARDS**

2 Award of Excellence, Western Division, American Fisheries Society (1991); Haig-Brown
3 Award, California Trout (1993); Distinguished Fellow, Gilbert Ichthyological Society (1993);
4 Fellow, California Academy of Sciences (1993); Bay Education Award, Bay Institute (1994);
5 Public Service Award, UCD (1995); Outstanding Educator Award, American Fisheries Society
6 (1995, with J. J. Cech); Streamkeeper Award, Putah Creek Council (1997); Distinguished
7 Ecologist, Colorado State University (2001); Outstanding Mentor Award, UCD (2003);
8 President's Chair in Undergraduate Education, UCD (2003-2005, with J. Mount).

9 **OTHER**

10 Editorial Boards, *Environmental Biology of Fishes*, *Biological Conservation*, and *Biological*
11 *Invasions*. Expert testimony: Bay/Delta Hearings, State Water Resources Control Board;
12 Congressional hearings, Re-authorization of Endangered Species Act, etc. Head, Delta Native
13 Fishes Recovery Team (1993-1995); Member, Sierra Nevada Ecosystem Project Team (1994-
14 1996); Member, Independent Science Board, CALFED Ecosystem Restoration Program; Vice
15 President, The Natural Heritage Institute; Fisheries Consultant, City and County of San
16 Francisco. Member, National Research Council Committee on Endangered Fishes in the
17 Klamath Basin (2002-2003).

18
19 **TEACHING**

20 Teach basic courses in fish biology, wildlife conservation, fisheries, watershed ecology, and
21 nature/culture. Co-authored (with J. Cech) widely used ichthyology text (5th edition, 2003) and
22 co-edited (with C. Schreck) handbook on techniques for working with fish. Active in Graduate
23 Group in Ecology (currently on Executive Committee). Steering Committee, Nature and Culture
24 Program.

25 **PUBLICATIONS**

26 Author or co-author of over 150 peer-reviewed publications, including five books/monographs.

1 EXHIBIT B

2 PEER-REVIEWED PUBLICATIONS

3 Peter Briggs Moyle

4 (Does not include ca. 100 non-peer-reviewed publications)

- 5
- 6 1. Moyle P.B. and J. A. Israel. 2005 Untested assumptions: effectiveness of screening
7 diversions for conservation of fish populations, *Fisheries* 30 (5):20-28.
 - 8 2. Kimmerer, W., S. R. Avent, S. M. Bollens, F. Feyrer, L. F. Grimaldo, P. B Moyle, M.
9 Nobriga, and T. Visintainer. 2005. Variability in length-weight relationships used to
10 estimate biomass of estuarine fish from survey data. *Transactions, American Fisheries*
11 *Society* 134:481-495.
 - 12 3. Schroeter, R. E. and P. B. Moyle. 2005. Alien fishes in California's marine environments.
13 *In: M. H. Horn, L.G. Allen, and D. Pondella, eds. Ecology of California Marine Fishes.*
14 Berkeley: UC Press.
 - 15 4. Brown, L. and P. B. Moyle 2004. Native Fishes of the Sacramento-San Joaquin
16 Drainage, California: a History of Decline" Pages xxx-xxx in *Historical Changes in Fish*
17 *Assemblages of Large North American Rivers.* American Fisheries Society, Bethesda.
 - 18 5. Ribeiro, F., P. K. Crain, and P. B. Moyle. 2004. Variation in condition factor and growth
19 in young-of-year fishes in floodplain and riverine habitats of the Cosumnes River,
20 California. *Hydrobiologia* 527:77-84.
 - 21 6. Marchetti, M. P., T. Light, P. B. Moyle, and J. H. Viers. 2004. Fish invasions in
22 California watersheds: testing hypotheses using landscape patterns. *Ecological*
23 *Applications* 14:1507-1525.
 - 24 7. Marchetti, M. P., P. B. Moyle, and R. Levine. 2004. Invasive species profiling: exploring
25 the characteristics of exotic fishes across invasion stages in California. *Freshwater*
26 *Biology* 49:646-661..
 - 27 8. Moyle, P.B., R. D. Baxter, T. Sommer, T. C. Foin, and S. A. Matern. 2004. Biology and
28 population dynamics of Sacramento Splittail (*Pogonichthys macrolepidotus*) in the San
29 Francisco Estuary: a review. *San Francisco Estuary and Watershed Science* [online serial]
30 2(2):1-47.
 - 31 9. Hogan, Z. S., P. B. Moyle, B. May, M. J. Vander Zander, and I. G. Baird. 2004. The
32 imperiled giants of the Mekong. *American Scientist* 92: 228-237.
 - 33 10. Marchetti, M. P. , P. B. Moyle, and R. Levine. 2004. Alien fishes in California
34 watersheds: characteristics of successful and failed invaders. *Ecological Applications*
35 14:587-596.
 - 36 11. Lewis, W. A., R. M. Adams, E.B. Cowling, E. S. Helfman, C.D.D.Howard, R. J, Huggett,
37 N. E. Langston, J. F. Mount, P. B. Moyle, T. J. Newcomb, M. L. Pace, and J. B. Ruhl.
38 2004. Endangered and threatened fishes of the Klamath River Basin: Causes of decline
39 and strategies for recovery. National Academies Press. 334 pp.
 - 40 12. Crain, P.K., K. Whitener, P.B. Moyle. 2004. Use of a restored central California
41 floodplain by larvae of native and alien fishes. Pages 125-140 in F. Feyrer, L.R. Brown,
42 R.L. Brown, and J.J. Orsi, editors. *Early life history of fishes in the San Francisco*
43 *Estuary and watershed.* American Fisheries Society Symposium 39, Bethesda, Maryland.
 - 44 13. Moyle, P. B., P. K. Crain, K. Whitener, and J. F. Mount. 2003. Alien fishes in natural
45 streams: fish distribution, assemblage structure, and conservation in the Cosumnes River,
46 California, USA. *Environmental Biology of Fishes* 67:277-288.

- 1 14. Feyrer, F., B. Herbold, S.A. Matern, and P.B. Moyle. 2003. Dietary shifts in a stressed
2 fish assemblage: consequences of a bivalve invasion in the San Francisco Estuary.
3 *Environmental Biology of Fishes* 67:277-288.
- 4 15. Matern, S. A., P. B. Moyle, and L. C. Pierce. 2002. Native and alien fishes in a California
5 estuarine marsh: twenty-one years of changing assemblages. *Transactions of the*
6 *American Fisheries Society* 131:797-816.
- 7 16. Moyle, P. B. 2002. *Inland Fishes of California. Revised and expanded*. Berkeley:
8 University of California Press. 502 pp.
- 9 17. Chasnoff, B. and P. B. Moyle. 2001. Ethics, ecology, and economics in river
10 management: the benefits of working together. Pages 157-176 in C. K. Davis and R. E.
11 McGinn, editors. *Navigating rough waters: ethical issues in the water industry*. Denver,
12 Colorado, American Waterworks Association.
- 13 18. Sweetnam, D. S., R. D. Baxter, and P. B. Moyle. 2001. True smelts. Pages 472-479 in
14 W. S. Leet, C. M. Dewees, R. Klingbeil, and E. J. Larson, eds. *California's living marine*
15 *resources: a status report*. Sacramento: California Department of Fish and Game.
- 16 19. Yoshiyama, R. M., E. R. Gerstung, F. W. Fisher, and P. B. Moyle. 2001. Historical and
17 present distribution of chinook salmon in the Central Valley. Pages 71-176 in R. Brown,
18 ed. *Contributions to the biology of Central Valley salmonids*. CDFG Fish Bulletin 179.
- 19 20. Baird, I., Z. Hogan, B. Phylaianh, and P. B. Moyle. 2001. A communal fishery for the
20 migratory catfish *Pangasius macronema* in the Mekong River. *Asian Fisheries Science*
21 14: 25-41.
- 22 21. Sommer, T. R., W. C. Harrell, M. Nobriga, R. Brown, P. B. Moyle, W. J. Kimmerer and
23 L. Schemel. 2001. California's Yolo Bypass: evidence that flood control can be
24 compatible with fish, wetlands, wildlife and agriculture. *Fisheries* 58(2):325-333.
- 25 22. Moyle, P. B., and L. H. Davis. 2001. A list of freshwater, anadromous, and euryhaline
26 fishes of California. *California Fish and Game* 86:244-258.
- 27 23. Marchetti, M. P., T. Light, J. Feliciano, T. Armstrong, Z. Hogan, and P. B. Moyle. 2001.
28 Homogenization of California's fish fauna through abiotic change. Pages 269-288 in J.L.
29 Lockwood and M.L. McKinney, editors. *Biotic Homogenization*. Kluwer/Academic
30 Press, New York.
- 31 24. Marchetti, M. P., and P. B. Moyle. 2001. Effects of flow regime on fish assemblages in
32 a regulated California stream. *Ecological Applications* 11:530-539.
- 33 25. Marchetti, M. P., and P. B. Moyle. 2000. Spatial and temporal ecology of native and
34 introduced fish larvae in lower Putah Creek, California. *Environmental Biology of Fishes*
35 58:75-87.
- 36 26. Moyle, P. B. 2000. Restoring aquatic ecosystems is a matter of values. *California*
37 *Agriculture* 54(2):16-25.
- 38 27. Yoshiyama, R. M., E. R. Gerstung, F. W. Fisher, and P. B. Moyle. 2000. Chinook
39 salmon in California's Central Valley: an assessment. *Fisheries* 25(2):6-20.
- 40 28. Li, H. W., and P. B. Moyle. 1999. Management of introduced fishes. Pages 345-374 in
41 C. C. Kohler and W. A. Hurbert, eds., *Inland Fisheries Management*, 2nd edition.
42 American Fisheries Soc., Washington D.C.
- 43 29. Parker, I. M., D. Simberloff, W. M. Lonsdale, K. Goodell, M. Wonham, P. M. Kareiva,
44 M. H. Williamson, B. von Holle, P. B. Moyle, J. E. Byers, and L. Goldwasser. 1999.
45 Impact: toward a framework for understanding the ecological effects of invaders.
46 *Biological Invasions* 1:3-19.

- 1 30. Moyle, P. B., and P. J. Randall. 1998. Evaluating the biotic integrity of watersheds in
2 the Sierra Nevada, California. *Conservation Biology* 12:1318-1326.
- 3 31. Moyle, P. B., and J. J. Smith. 1998. Freshwater fishes of the Central California Coast.
4 Pages 17-22 in N. Chiariello and R. F. Dasmann, eds. *Symposium on biodiversity of the*
5 *Central California Coast*. Association for the Golden Gate Biosphere Reserve, San
6 Francisco.
- 7 32. Moyle, P. B., and M. P. Marchetti. 1999. Applications of indices of biotic integrity to
8 California streams and watersheds. Pages 367-380 in T. P. Simon and R. Hughes, editors.
9 *Assessing the sustainability and biological integrity of water resources using fish*
10 *communities*. CRC Press, Boca Raton, FL.
- 11 33. Moyle, P. B. 1999. Effects of invading species on freshwater and estuarine ecosystems.
12 Pages 177-191 in Sandlund, O.T., P.J. Schei & . Viken, eds. *Invasive species and*
13 *biodiversity management*. Kluwer, Leiden.
- 14 34. Yoshiyama, R. M., F. W. Fisher, and P. B. Moyle. 1998. Historical abundance and
15 decline of chinook salmon in the Central Valley region of California. *North American*
16 *Journal of Fisheries Management* 18: 487-521.
- 17 35. Moyle, P. B., M. P. Marchetti, J. Baldrige, and T. L. Taylor. 1998. Fish health and
18 diversity: justifying flows for a California stream. *Fisheries (Bethesda)* 23(7):6-15.
- 19 36. Healey, M., W. Kimmerer, G. M. Kondolf, R. Meade, P. B. Moyle, and R. Twiss. 1998.
20 Strategic plan for the Ecosystem Restoration Program. CALFED Bay-Delta Program,
21 Sacramento. 252 pp.
- 22 37. Trenham, P. C., H. B. Shaffer, and P. B. Moyle. 1998. Biochemical identification and
23 assessment of population subdivision in morphologically similar native and invading
24 smelt species (*Hypomesus*) in the Sacramento-San Joaquin Estuary, California.
25 *Transactions, American Fisheries Society* 127: 417-424.
- 26 38. Leidy, R. A., and P. B. Moyle. 1997. Conservation status of the world's fish fauna: an
27 overview. Pp.187-227 In P. A. Fiedler and P. M. Karieva, eds. *Conservation biology for*
28 *the coming decade*. Chapman and Hall, N.Y.
- 29 39. Moyle, P. B., and R. M. Yoshiyama. 1997. The role of adaptive management in restoring
30 chinook salmon to the Tuolumne River. Pages 557-562 in S. Y. Wang and T. Carstens,
31 eds. *Environmental and coastal hydraulics: protecting the aquatic habitat*. New York:
32 ASCE.
- 33 40. Brown, L. R., and P. B. Moyle. 1997. Invading species in the Eel River, California:
34 successes, failures, and relationships with resident species. *Environmental Biology of*
35 *Fishes* 49: 271-291.
- 36 41. Moyle, P. B., R. Pine, L. R. Brown, C. H. Hanson, B. Herbold, K. M. Lentz, L. Meng, J.
37 J. Smith, D. A. Sweetnam, and L. Winternitz. 1996. Recovery plan for the Sacramento-
38 San Joaquin Delta native fishes. US Fish and Wildlife Service, Portland, Oregon. 193 pp.
- 39 42. Bennett, W.A., and P. B. Moyle. 1996. Where have all the fishes gone: interactive
40 factors producing fish declines in the Sacramento-San Joaquin estuary. Pages 519-542 in
41 J. T. Hollibaugh, ed. *San Francisco Bay: the Ecosystem*. San Francisco: AAAS, Pacific
42 Division.
- 43 43. Moyle, P. B., and T. Light. 1996. Biological invasions of fresh water: empirical rules
44 and assembly theory. *Biological Conservation* 78:149-162.
- 45 44. Moyle, P. B., P. J. Randall, and R. M. Yoshiyama. 1996. Potential aquatic diversity
46 management areas of the Sierra Nevada. Pages 409-478 in *Sierra Nevada Ecosystem*
47 *Project: Final report to Congress , Vol. III, assessments, commissioned reports, and*

- 1 background information. Davis: University of California, Centers for Water and Wildland
2 Resources.
- 3 45. Yoshiyama, R. M., E. R. Gerstung, F. W. Fisher, and P. B. Moyle. 1996. Historical and
4 present distribution of chinook salmon in the Central Valley drainage of California Pages
5 309-362 *in* Sierra Nevada Ecosystem Project: Final report to Congress , Vol. III,
6 assessments, commissioned reports, and background information. Davis: University of
7 California, Centers for Water and Wildland Resources.
- 8 46. Moyle, P. B., R. Kattlemann, R. Zomer, and P. J. Randall. 1996. Management of
9 riparian areas in the Sierra Pages 1-37 *in* Sierra Nevada Ecosystem Project: Final report
10 to Congress , Vol. III, assessments, commissioned reports, and background information.
11 Davis: University of California, Centers for Water and Wildland Resources
- 12 47. Moyle, P. B. 1996. Potential aquatic diversity management areas. Pages 1493-1503. *In*
13 Sierra Nevada Ecosystem Project: Final report to Congress , Vol. II, assessments,
14 commissioned reports, and background information. Davis: University of California,
15 Centers for Water and Wildland Resources.
- 16 48. Moyle, P. B., and P. J. Randall. 1996. Biotic integrity of watersheds. Pages 975-985 *In*
17 Sierra Nevada Ecosystem Project: Final report to Congress , Vol. II, assessments,
18 commissioned reports, and background information. Davis: University of California,
19 Centers for Water and Wildland Resources.
- 20 49. Moyle, P. B., R. M. Yoshiyama, and R. A. Knapp. 1996. Status of fish and fisheries.
21 Pages 953-973 *In* Sierra Nevada Ecosystem Project: Final report to Congress , Vol. II,
22 assessments, commissioned reports, and background information. Davis: University of
23 California, Centers for Water and Wildland Resources.
- 24 50. Moyle, P. B. 1996. Status of aquatic habitat types. Pages 945-952. *In* Sierra Nevada
25 Ecosystem Project: Final report to Congress , Vol. II, assessments, commissioned reports,
26 and background information. Davis: University of California, Centers for Water and
27 Wildland Resources.
- 28 51. Moyle, P. B., and T. Light. 1996. Fish invasions in California: do abiotic factors
29 determine success? *Ecology* 77:1666-1670.
- 30 52. Courtenay, W. R., Jr. and P. B. Moyle. 1996. Biodiversity, fishes, and the introduction
31 paradigm. Pages 239-252 in R. C. Szaro and D. W. Johnston, eds. *Biodiversity in*
32 *managed landscapes*. Oxford University Press: N.Y.
- 33 53. Moyle, P. B. and J. J. Cech, Jr. 1996. *Fishes: an Introduction to Ichthyology*. 3rd
34 Edition. Prentice-Hall: Upper Saddle River, N. J. 590 pp. (4th edition, 2000).
- 35 54. Meng, L., and P. B. Moyle. 1995. Status of splittail in the Sacramento-San Joaquin
36 estuary. *Transactions of American Fisheries Society* 124:538-549.
- 37 55. Stanley, S. E., P. B. Moyle, and H. B. Shaffer. 1995. Allozyme analysis of delta smelt,
38 *Hypomesus transpacificus* and longfin smelt, *Spirinchus thalichthys*, in the Sacramento-
39 San Joaquin estuary, California. *Copeia* 1995:390-396.
- 40 56. Marchetti, M. P., and P. B. Moyle. 1995. Conflicting values complicate stream
41 protection. *California Agriculture* 49(6):73-78.
- 42 57. Moyle, P. B. 1995. The decline of anadromous fishes in California. *Conservation*
43 *Biology* 8: 869-870
- 44 58. Moyle, P. B., R. M. Yoshiyama, J. E. Williams, and E. D. Wikramanayake. 1995. Fish
45 species of special concern of California. California Department of Fish and Game,
46 Sacramento, California. 2nd ed. 272 pp.

- 1 59. Brown, L. R., S. A. Matern, and P. B. Moyle. 1995. Comparative ecology of prickly
2 sculpin, *Cottus asper*, and coastrange sculpin, *C. aleuticus*, in the Eel River, California.
3 Environmental Biology of Fishes 42:329-343.
- 4 60. Moyle, P. B. 1995. Conservation of native freshwater fishes in the Mediterranean type
5 climate of California, USA: a review. Biological Conservation 72: 271-280.
- 6 61. Meng, L., P. B. Moyle, and B. Herbold. 1994. Changes in abundance and distribution
7 of native and introduced fishes of Suisun Marsh. Transactions of the American Fisheries
8 Society 123:498-507.
- 9 62. Brown, L. R., P. B. Moyle, and R. M. Yoshiyama. 1994. Status of coho salmon
10 (*Oncorhynchus kisutch*) in California. North American Journal of Fisheries Management
11 14: 237-261.
- 12 63. Moyle, P. B. 1994. Biodiversity, biomonitoring, and the structure of stream fish
13 communities. Pages 171-186 In S. Loeb and A. Spacie (Editors), Biological Monitoring
14 of Freshwater Ecosystems. Lewis Publishing, Inc., Boca Raton, Florida.
- 15 64. Moyle, P. B., and R. M. Yoshiyama. 1994. Protection of aquatic biodiversity in
16 California: A five-tiered approach. Fisheries 19:6-18.
- 17 65. Brown, L. R., and P. B. Moyle. 1993. Distribution, ecology, and status of the fishes of
18 the San Joaquin River drainage, California. California Fish and Game 79:96-113
- 19 66. Li, H. W., and P. B. Moyle. 1993. Management of introduced fishes. Pp. 282-307. In
20 C. Kohler and W. Hubert (Editors), Inland Fisheries Management in North America.
21 American Fisheries Society, Bethesda, Maryland.
- 22 67. Baltz, D. M., and P. B. Moyle. 1993. Invasion resistance to introduced species by a
23 native assemblage of California stream fishes. Ecological Applications 3:246-255.
- 24 68. Moyle, P. B. 1993. Fish: An Enthusiast's Guide. University of California Press,
25 Berkeley, California. 272 pp.
- 26 69. Moyle, P. B., and R. M. Yoshiyama. 1992. Fishes, aquatic diversity management areas
27 and endangered species: A plan to protect California's native aquatic biota. California
28 Policy Seminar, Berkeley. 222 pp.
- 29 70. Brown, L. R., and P. B. Moyle. 1992. Native fishes of the San Joaquin drainage: Status
30 of a remnant fauna and its habitats. Pp. 89-98. In D. L. Williams, S. Byrne, and T. A.
31 Rado (Editors), Endangered and Sensitive Species of the San Joaquin Valley, California.
32 California Energy Commission, Sacramento, California.
- 33 71. Moyle, P. B. 1992. True smelts. Pp. 75-78. In W. S. Leet, C. M. Dewees, and C. W.
34 Havern (Editors), California Living Marine Resources and Their Utilization. UC Sea
35 Grant Extension Publication UCSGEP-92-12.
- 36 72. Courtenay, W. R., and P. B. Moyle. 1992. Crimes against biodiversity: The lasting
37 legacy of fish introductions. Transactions of the 57th North American Wildlife and
38 Natural Resource Conference. Pp. 365-372.
- 39 73. Mathias, M. E., and P. B. Moyle. 1992. Wetland and aquatic habitats. Agricultural
40 Ecosystems and Environments 42:165-176.
- 41 74. Strange, E. M., P. B. Moyle, and T. C. Foin. 1992. Interactions between stochastic and
42 deterministic processes in stream fish community assembly. Environmental Biology of
43 Fishes 36:1-15.
- 44 75. Brown, L. R., P. B. Moyle, W. A. Bennett, B. D. Quelvog. 1992. Implications of
45 morphological variation among populations of California roach *Lavinia symmetricus*
46 (Cyprinidae) for conservation policy. Biological Conservation 62:1-10.

- 1 76. Kershner, J. L., W. M. Snider, D. M. Turner, and P. B. Moyle. 1992. Distribution and
2 sequencing of mesohabitats: Are there differences at the reach scale? *Rivers* 3:179-190.
- 3 77. Herbold, B., A. D. Jassby, and P. B. Moyle. 1992. Status and trends report on aquatic
4 resources in the San Francisco Estuary. San Francisco Estuary Project. 257 pp.
- 5 78. Moyle, P. B., B. Herbold, D. E. Stevens, and L. W. Miller. 1992. Life history and status
6 of Delta smelt in the Sacramento-San Joaquin Estuary, California. *Transactions of the*
7 *American Fisheries Society* 121:67-77.
- 8 79. Moyle, P. B., and R. A. Leidy. 1992. Loss of biodiversity in aquatic ecosystems:
9 Evidence from fish faunas. Pp. 128-169. *In* P. L. Fiedler and S. A. Jain (Editors),
10 *Conservation Biology: The Theory and Practice of Nature Conservation, Preservation,*
11 *and Management.* Chapman and Hall, New York. .
- 12 80. Campbell, E. A., and P. B. Moyle. 1991. Historical and recent population sizes of
13 spring-run chinook salmon in California. Pp. 155-216. *In* T. Hassler (Editor),
14 *Proceedings, Northeast Pacific Chinook and Coho Salmon Workshop.* Arcata,
15 California. American Fisheries Society.
- 16 81. Moyle, P. B., and J. Ellison. 1991. A conservation-oriented classification system for
17 California's inland waters. *California Fish and Game* 77:161-180.
- 18 82. Moyle, P. B., T. Kennedy, D. Kuda, L. Martin, and G. Grant. 1991. Fishes of Bly
19 Tunnel, Lassen County, California. *Great Basin Naturalist* 51:267-270.
- 20 83. Moyle, P. B., and G. M. Sato. 1991. On the design of preserves to protect native fishes.
21 Pp. 155-169. *In* W. L. Minckley and J. E. Deacon (Editors), *Battle Against Extinction:*
22 *Native Fish Management in the American West.* University of Arizona Press.
- 23 84. Brown, L. R., and P. B. Moyle. 1991. Changes in habitat and microhabitat partitioning
24 within an assemblage of stream fishes in response to predation by Sacramento squawfish
25 (*Ptychocheilus grandis*). *Canadian Journal of Fisheries and Aquatic Sciences* 43:849-
26 856.
- 27 85. Baltz, D. M., B. Vondracek, L. R. Brown, and P. B. Moyle. 1991. Seasonal changes in
28 microhabitat selection by rainbow trout in a small stream. *Transactions of the American*
29 *Fisheries Society* 120:166-176.
- 30 86. Moyle, P. B., and M. A. Moyle. 1991. Introduction to fish imagery in art.
31 *Environmental Biology of Fishes* 31:5-23.
- 32 87. Moyle, P. B., and J. E. Williams. 1990. Biodiversity loss in the temperate zone: decline
33 of the native fish fauna of California. *Conservation Biology* 4(3):275-284.
- 34 88. Schreck, C. B., and P. B. Moyle (Editors). 1990. *Methods for Fish Biology.* American
35 *Fisheries Society, Bethesda, Maryland.* 684 pp.
- 36 89. Moyle, P. B., J. E. Williams, and E. D. Wikramanayake. 1989. Fish species of special
37 concern of California. California Department of Fish and Game, Sacramento, California.
38 222 pp.
- 39 90. Herbold, B., and P. B. Moyle. 1989. Ecology of the Sacramento-San Joaquin Delta: A
40 community profile. U.S. Fish and Wildlife Service Biological Report 85(7.22)
41 September. 106 pp.
- 42 91. Wikramanayake, E. D., and P. B. Moyle. 1989. Ecological structure of tropical fish
43 assemblages in wet-zone streams of Sri Lanka. *Journal of Zoology, London, England*
44 218:503-526.
- 45 92. Miller, D. L., P. M. Leonard, R. M. Hughes, J. R. Karr, P. B. Moyle, L. H. Schrader, B.
46 A. Thompson, R. A. Daniels, K. D. Fausch, G. A. Fitzhugh, J. R. Gammon, D. B.

- 1 Halliwell, P. L. Angermeier, and D. J. Orth. 1988. Regional applications of an index of
2 biotic integrity for use in water resource management. *Fisheries* (Bethesda) 13 (5):12-20.
- 3 93. Power, M. E., R. J. Stout, C. E. Cushing, P. P. Harper, F. R. Hauer, W. J. Matthews, P. B.
4 Moyle, B. Statzner, and I. De Bagen. 1988. Biotic and abiotic controls in river and
5 stream communities. *Journal of the North American Benthological Society* 7:456-479.
- 6 94. Vondracek, B., D. M. Baltz, L. R. Brown, and P. B. Moyle. 1988. Spatial, seasonal, and
7 diel distribution of fishes in a California reservoir dominated by native fishes. *Fisheries*
8 *Research* 7:31-53.
- 9 95. Moyle, P. B. 1987. Review of C. H. Hocutt and E. O. Wiley, *The Zoogeography of*
10 *North American Freshwater Fishes*. *Aquaculture* 62:171-172.
- 11 96. Baltz, D. M., B. Vondracek, L. R. Brown, and P. B. Moyle. 1987. Influence of
12 temperature on microhabitat choice by fishes in a California stream. *Transactions of the*
13 *American Fisheries Society* 116:12-20.
- 14 97. Moyle, P. B., and B. Herbold. 1987. Life-history patterns and community structure in
15 stream fishes of western North America: Comparisons with eastern North America and
16 Europe. Pp. 25-32. *In* W. J. Matthews and D. C. Heins (Editors), *Community and*
17 *Evolutionary Ecology of North American Stream Fishes*. University of Oklahoma Press,
18 Norman, Oklahoma.
- 19 98. Herbold, B., and P. B. Moyle. 1986. Introduced species and vacant niches. *American*
20 *Naturalist* 128:751-760.
- 21 99. Moyle, P. B., H. W. Li, and B. A. Barton. 1986. The Frankenstein effect: impact of
22 introduced fishes on native fishes in North America. Pp. 415-426. *In* R. H. Stroud
23 (Editor), *Fish Culture in Fisheries Management*. American Fisheries Society, Bethesda,
24 Maryland.
- 25 100. Jett, S., and P. B. Moyle. 1986. The exotic origins of fishes depicted on prehistoric
26 Mimbres pottery from New Mexico. *American Antiquity* 51:688-720.
- 27 101. Moyle, P. B. 1986. Fish introductions into North America: Patterns and ecological
28 impact. Pp. 27-43. *In* H. A. Mooney and J. A. Drake (Editors), *Ecology of Biological*
29 *Invasions of North America and Hawaii*. Springer-Verlag, New York.
- 30 102. Moyle, P. B., R. A. Daniels, B. Herbold, and D. M. Baltz. 1986. Patterns in distribution
31 and abundance of a non-coevolved assemblage of estuarine fishes in California. *Fishery*
32 *Bulletin* 84:105-117.
- 33 103. Moyle, P. B., and D. M. Baltz. 1985. Microhabitat use by an assemblage of California
34 stream fishes: Developing criteria for instream flow determinations. *Transactions*
35 *American Fisheries Society* 114:695-704.
- 36 104. Grossman, G. D., M. C. Freeman, P. B. Moyle, and J. O. Whitaker. 1985. Stochasticity
37 and assemblage organization in an Indiana stream fish assemblage. *American Naturalist*
38 126:275-285.
- 39 105. Moyle, P. B., and B. Vondracek. 1985. Persistence and structure of the fish assemblage
40 in a small California stream. *Ecology* 66:1-13.
- 41 106. Daniels, R. A., and P. B. Moyle. 1984. Geographic variation and a taxonomic
42 reappraisal of the marbled sculpin, *Cottus klamathensis*. *Copeia* 1984:949-959.
- 43 107. Moyle, P. B., and F. R. Senanayake. 1984. Resource partitioning among the fishes of
44 rainforest streams in Sri Lanka. *Journal of Zoology, London, England* 202:195-223.
- 45 108. Baltz, D. M., and P. B. Moyle. 1984. Segregation by species and size classes of rainbow
46 trout, *Salmo gairdneri*, and Sacramento sucker, *Catostomus occidentalis*, in three
47 California streams. *Environmental Biology of Fishes* 10:101-110.

- 1 109. Moyle, P. B. 1983. Use of intermittent streams by California fishes. Pp. 61-65. In
2 S. Jain and P. Moyle (Editors), Proceedings of Second Symposium on Vernal Pools and
3 Intermittent Streams. Institute of Ecology Publication 28, University of California,
4 Davis, California.
- 5 110. Cech, J. J., Jr., and P. B. Moyle. 1983. Alternative fish species as predators for rice field
6 mosquitos in California. *Bulletin of the Society of Vector Ecologists* 8:107-110.
- 7 111. Moyle, P. B., B. Herbold, and R. A. Daniels. 1983. Resource partitioning in a non-
8 coevolved assemblage of estuarine fishes. Pp. 178-184. In G. M. Caillet and C. A.
9 Simenstad (Editors), Proceedings of the Third Pacific Workshop on Fish Food Habit
10 Studies. Washington Sea Grant.
- 11 112. Moyle, P. B., and D. M. Baltz. 1983. Fish populations of Eleanor Reservoir, Yosemite
12 National Park. Pp. 183-186. In C. Van Riper, L. D. Whittig, and M. L. Murphey
13 (Editors), Proceedings of the First Biennial Conference on Research in California's
14 National Parks.
- 15 113. Daniels, R. A., and P. B. Moyle. 1983. Life history of splittail (Cyprinidae:
16 *Pogonichthys macrolepidotus*) in the Sacramento-San Joaquin Estuary. *Fishery Bulletin*
17 81:647-654.
- 18 114. Moyle, P. B., B. Vondracek, and G. D. Grossman. 1983. Responses of fish populations
19 in the North Fork of the Feather River, California, to treatments with fish toxicants.
20 *North American Journal of Fisheries Management* 3:48-60.
- 21 115. Baltz, D. M., and P. B. Moyle. 1982. The influence of riparian vegetation on stream fish
22 communities of California. Pp. 183-187. In P. Warner and H. Hendrix (Editors),
23 *California Riparian Systems*. University of California Press, Berkeley, California.
- 24 116. Baltz, D. M., P. B. Moyle, and N. J. Knight. 1982. Competitive interactions between
25 benthic stream fishes, riffle sculpin, *Cottus gulosus*, and speckled dace, *Rhinichthys*
26 *osculus*. *Canadian Journal of Fisheries and Aquatic Sciences* 39:1502-1511.
- 27 117. Grossman, G. D., P. B. Moyle, and J. O. Whitaker, Jr. 1982. Stochasticity in structural
28 and functional characteristics of an Indiana stream fish assemblage: A test of community
29 theory. *American Naturalist* 120:423-454.
- 30 118. Baltz, D. M., and P. B. Moyle. 1982. Life history characteristics of tule perch
31 (*Hysterocarpus traski*) populations in contrasting environments. *Environmental Biology*
32 *of Fishes* 7:229-242.
- 33 119. Moyle, P. B., and J. J. Cech, Jr. 1982. *Fishes: An Introduction to Ichthyology*, (2nd
34 Edition, 1988). Prentice-Hall, Englewood Cliffs, New Jersey. 593 pp.
- 35 120. Moyle, P. B., J. J. Smith, R. A. Daniels, and D. M. Baltz. 1982. A Review. Pp. 255-
36 256. In P. B. Moyle (Editor), *Distribution and Ecology of Stream Fishes of the*
37 *Sacramento-San Joaquin Drainage System, California*. Publications in Zoology 115,
38 University of California Press, Berkeley, California.
- 39 121. Taylor, T. L., P. B. Moyle, and D. G. Price. 1982. Fishes of the Clear Lake Basin.
40 Pp. 171-223. In P. B. Moyle (Editor), *Distribution and Ecology of Stream Fishes of the*
41 *Sacramento-San Joaquin Drainage System, California*. Publications in Zoology 115,
42 University of California Press, Berkeley, California.
- 43 122. Moyle, P. B., and R. A. Daniels. 1982. Fishes of the Pit River System, McCloud River
44 System, and Surprise Valley Region. Pp. 1-82. In P. B. Moyle (Editor), *Distribution and*
45 *Ecology of Stream Fishes of the Sacramento-San Joaquin Drainage System, California*.
46 Publications in Zoology 115, University of California Press, Berkeley, California.
- 47 123. Senanayake, F. R., and P. B. Moyle. 1982. Conservation of freshwater fishes of Sri
48 Lanka. *Biological Conservation* 22:181-195.

- 1 124. Baltz, D. M., and P. B. Moyle. 1981. Morphometric analysis of tule perch
2 (*Hysterocarpus traski*) populations in three isolated drainages. *Copeia* 1981:305-311.
- 3 125. Li, H. W., and P. B. Moyle. 1981. Ecological analysis of species introductions into
4 aquatic systems. *Transactions of the American Fisheries Society* 110:772-782.
- 5 126. Brown, L. R., and P. B. Moyle. 1981. The impact of squawfish on salmonid
6 populations: A review. *North American Journal of Fisheries Management* 1:104-111.
- 7 127. Moyle, P. B., and M. Massingill. 1981. Hybridization between hitch, *Lavinia*
8 *exilicauda*, and Sacramento blackfish, *Orthodon microlepidotus*, in San Luis Reservoir,
9 California. *California Fish and Game* 67:196-198.
- 10 128. Moyle, P. B. 1980. Sixteen species accounts of California endemic fishes. Pp. 123, 164,
11 199, 200, 209, 345, 346, 347, 384, 385, 391, 582, 777, 803, 815, 819. In *Atlas of North*
12 *American Freshwater Fishes*, D. S. Lee, et al. (Editors). North Carolina Museum of
13 Natural History, Raleigh, North Carolina.
- 14 129. Geary, R. E., and P. B. Moyle. 1980. Aspects of the ecology of the hitch, *Lavinia*
15 *exilicauda* (Cyprinidae), a persistent native cyprinid in Clear Lake, California. *The*
16 *Southwestern Naturalist* 25:385-390.
- 17 130. Grossman, G. D., R. Coffin, and P. B. Moyle. 1980. Feeding ecology of the bay goby
18 (Pisces: Gobiidae): Effects on behavioral, ontogenetic, and temporal variation on diet.
19 *Journal of Experimental Marine Biology and Ecology* 44:47-59.
- 20 131. Moyle, P. B., R. E. Andrews, R. M. Jenkins, R. L. Noble, S. B. Saila, and W. O. Wick.
21 1979. Research needs in fisheries. *Transactions of the 44th North American Wildlife*
22 *and Natural Resources Conference*: 176-187.
- 23 132. Moyle, P. B., and H. W. Li. 1979. Community ecology and predator-prey relationships
24 in warmwater streams. Pp. 171-180. In H. W. Clepper (Editor), *Predator-Prey Systems*
25 *in Fisheries Management*. Sport Fishing Institute, Washington D.C.
- 26 133. Sturgess, J. A., and P. B. Moyle. 1978. Biology of rainbow trout (*Salmo gairdneri*),
27 brown trout (*S. trutta*), and interior Dolly Varden (*Salvelinus confluentus*) in the
28 McCloud River, California, in relation to management. *Cal-Neva Wildlife* 1978:239-
29 250.
- 30 134. Broadway, J. E., and P. B. Moyle. 1978. Aspects of the ecology of the prickly sculpin,
31 *Cottus asper* Richardson, a persistent native species in Clear Lake, Lake County,
32 California. *Environmental Biology of Fishes* 3:337-343.
- 33 135. Daniels, R. A., and P. B. Moyle. 1978. Biology, distribution, and status of the rough
34 sculpin, *Cottus asperrimus*, in the Pit River drainage, northeastern California. *Copeia*
35 1978:673-679.
- 36 136. Moyle, P. B., and N. J. Holzhauser. 1978. Effects of the introduction of Mississippi
37 silverside (*Menidia audens*) and Florida largemouth bass (*Micropterus salmoides*
38 *floridanus*) on the feeding habits of young-of-year largemouth bass in Clear Lake,
39 California. *Transactions of the American Fisheries Society* 107:575-582.
- 40 137. Tippetts, W. E., and P. B. Moyle. 1978. Epibenthic feeding by rainbow trout (*Salmo*
41 *gairdneri*) in the McCloud River, California. *Journal of Animal Ecology* 47:549-559.
- 42 138. Moyle, P. B. 1977. In defense of sculpins. *Fisheries* 2(1):20-23.
- 43 139. Alley, D. W., D. H. Dettman, H. W. Li, and P. B. Moyle. 1977. Habitats of native fishes
44 in the Sacramento River basin. Pp. 87-94. In A. Sands (Editor), *Riparian forests of*
45 *California, their ecology and conservation*. Institute of Ecology Publication #15,
46 University of California.

- 1 140. Li, H. W., and P. B. Moyle. 1976. Feeding ecology of the Pit sculpin, *Cottus pitensis*, in
2 Ash Creek, California. *Bulletin of Southern California Academy of Sciences* 75:111-
3 118. (Carl Hubbs Honorary Issue.)
- 4 141. Li, H. W., P. B. Moyle, and R. L. Garrett. 1976. Effects of the introduction of the
5 Mississippi silverside (*Menidia audens*) on the growth of black crappie (*Pomoxis*
6 *nigromaculatus*) and white crappie (*P. annularis*) in Clear Lake, California. *Transactions*
7 *of the American Fisheries Society* 105:404-408.
- 8 142. Moyle, P. B. 1976. Some effects of channelization on the fishes and invertebrates of
9 Rush Creek, Modoc County, California. *California Fish and Game* 62:179-186.
- 10 143. Moyle, P. B. 1976. *Inland Fishes of California*. University of California Press,
11 Berkeley, California. 405 pp.
- 12 144. Moyle, P. B. 1976. Fish introductions in California: history and impact on native fishes.
13 *Biological Conservation* 9:101-118.
- 14 145. Prine, J. E., G. E. Lawley, and P. B. Moyle. 1975. A multidisciplinary approach to
15 vector ecology at Clear Lake, California. *Bulletin of the Society of Vector Ecologists*
16 2:21-31.
- 17 146. Adams, J. R., and P. B. Moyle. 1975. Some effects of impoundments on populations of
18 stream fish. Pp. 31-40. In P. B. Moyle and D. L. Koch (Editors), *Symposium on*
19 *Trout/Nongame Fish Relationships in Streams*. University of Nevada Center for Water
20 Resources Miscellaneous Publication 17:31-40.
- 21 147. Moyle, P. B. 1975. California trout streams: The way they were, probably. Pp. 9-19.
22 In P. B. Moyle and D. L. Koch (Editors), *Symposium on Trout/Nongame Fish*
23 *Relationships in Streams*. University of Nevada Center for Water Resources
24 Miscellaneous Publication 17:9-19.
- 25 148. Moyle, P. B., and A. Marciochi. 1975. Biology of the Modoc sucker, *Catostomus*
26 *microps*, in northeastern California. *Copeia* 1975:556-560.
- 27 149. Moyle, P. B. 1974. Status of the Modoc sucker (*Catostomus microps*, Pisces:
28 Catostomidae). *Cal-Neva Wildlife* 1974:35-38.
- 29 150. Moyle, P. B., F. Fisher, and H. W. Li. 1974. Mississippi silversides and logperch in the
30 Sacramento-San Joaquin River system. *California Fish and Game* 60:144-149.
- 31 151. Moyle, P. B., and R. Nichols. 1974. Decline of the native fish fauna of the Sierra
32 Nevada foothills, central California. *The American Midland Naturalist* 92(1):72-83.
- 33 152. Moyle, P. B., S. B. Mathews, and N. Bonderson. 1974. Feeding habits of the
34 Sacramento perch, *Archoplites interruptus*. *Transactions of the American Fisheries*
35 *Society* 103:399-402.
- 36 153. Moyle, P. B. 1973. Recent changes in the fish fauna of the San Joaquin River system.
37 *Cal-Neva Wildlife* 1973:60-63.
- 38 154. Moyle, P. B. 1973. Ecological segregation among three species of minnows
39 (Cyprinidae) in a Minnesota lake. *Transactions of the American Fisheries Society*
40 102:794-805.
- 41 155. Moyle, P. B., and R. Nichols. 1973. Ecology of some native and introduced fishes of
42 the Sierra Nevada foothills in central California. *Copeia* 1973(3):478-490.
- 43 156. Moyle, P. B. 1973. Effects of introduced bullfrogs, *Rana catesbeiana*, on the native
44 frogs of the San Joaquin Valley, California. *Copeia* 1973(1):18-22.
- 45 157. Kottcamp, G., and P. B. Moyle. 1972. Use of disposable beverage cans by fish in the
46 San Joaquin Valley. *Transactions of the American Fisheries Society* 101:566.

- 1 158. Moyle, P. B. 1970. Occurrence of king (chinook) salmon in the Kings River, Fresno
2 County. *California Fish and Game* 56:314-315.
- 3 159. Moyle, P. B., and J. Bacon. 1969. Distribution and abundance of molluscs in a
4 freshwater environment. *Journal of the Minnesota Academy of Science* 35:82-85.
- 5 160. Moyle, P. B. 1969. Comparative behavior of young brook trout of domestic and wild
6 origin. *The Progressive Fish-Culturist* 31:51-56.
- 7 161. Moyle, P. B. 1966. Feeding behavior of the glaucous-winged gull on an Alaskan salmon
8 stream. *Wilson Bulletin* 78:175-190.
- 9 162. Moyle, P. B. 1964. Populations of peritrichs on the pond snail, *Physa gyrina* Say.
10 *Journal of the Minnesota Academy of Science* 31:125-130.