

# Terry D Beacham

## List of Publications by Year in descending order

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105  
papers

3,781  
citations

117571

34  
h-index

155592

55  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-distance migration is a major factor driving local adaptation at continental scale in Coho salmon. <i>Molecular Ecology</i> , 2023, 32, 542-559.	2.0	14
2	Assessment of mixed-stock fisheries and hatchery broodstocks for coho salmon in British Columbia, Canada via parentage-based tagging and genetic stock identification. <i>Fisheries Research</i> , 2022, 245, 106136.	0.9	2
3	Host-pathogen-environment interactions predict survival outcomes of adult sockeye salmon ( <i>Oncorhynchus nerka</i> ) released from fisheries. <i>Molecular Ecology</i> , 2022, 31, 134-160.	2.0	5
4	In-field genetic stock identification of overwintering coho salmon in the Gulf of Alaska: Evaluation of Nanopore sequencing for remote real-time deployment. <i>Molecular Ecology Resources</i> , 2022, 22, 1824-1835.	2.2	4
5	Parentage-based tagging and genetic stock identification applied to assessment of mixed-stock fisheries and hatchery broodstocks for Chinook salmon in British Columbia, Canada. <i>Fisheries Research</i> , 2022, 253, 106369.	0.9	3
6	Population structure of eulachon ( <i>Thaleichthys pacificus</i> ) from Northern California to Alaska using single nucleotide polymorphisms from direct amplicon sequencing. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 78-89.	0.7	2
7	Parentage-based tagging combined with genetic stock identification is a cost-effective and viable replacement for coded-wire tagging in large-scale assessments of marine Chinook salmon fisheries in British Columbia, Canada. <i>Evolutionary Applications</i> , 2021, 14, 1365-1389.	1.5	12
8	Estimation of conservation unit and population contribution to Chinook salmon mixed-stock fisheries in British Columbia, Canada, using direct DNA sequencing for single nucleotide polymorphisms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1422-1434.	0.7	8
9	An integrated model of seasonal changes in stock composition and abundance with an application to Chinook salmon. <i>PeerJ</i> , 2021, 9, e11163.	0.9	9
10	Population differences in Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) DNA methylation: Genetic drift and environmental factors. <i>Ecology and Evolution</i> , 2021, 11, 6846-6861.	0.8	7
11	Chinook salmon exhibit long-term rearing and early marine growth in the Fraser River, British Columbia, a large urban estuary. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 539-550.	0.7	10
12	Parentage-based tagging combined with genetic stock identification is a cost-effective and viable replacement for coded-wire tagging in large-scale assessments of Canadian salmon fisheries. <i>Fisheries Research</i> , 2021, 239, 105920.	0.9	6
13	Chinook and Coho salmon hybrids linked to habitat and climatic changes on Vancouver Island, British Columbia. <i>Ecology and Evolution</i> , 2021, 11, 16874-16889.	0.8	3
14	Salmon species identification via direct DNA sequencing of single amplicons. <i>Conservation Genetics Resources</i> , 2020, 12, 285-291.	0.4	1
15	Demographic history shaped geographical patterns of deleterious mutation load in a broadly distributed Pacific Salmon. <i>PLoS Genetics</i> , 2020, 16, e1008348.	1.5	38
16	Insights on the concept of indicator populations derived from parentage-based tagging in a large-scale coho salmon application in British Columbia, Canada. <i>Ecology and Evolution</i> , 2020, 10, 6461-6476.	0.8	9
17	Large-scale parentage-based tagging and genetic stock identification applied in assessing mixed-stock fisheries and hatchery broodstocks for coho salmon in British Columbia, Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1505-1517.	0.7	8
18	Accurate estimation of conservation unit contribution to coho salmon mixed-stock fisheries in British Columbia, Canada, using direct DNA sequencing for single nucleotide polymorphisms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1302-1315.	0.7	28

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19	The sockeye salmon genome, transcriptome, and analyses identifying population defining regions of the genome. <i>PLoS ONE</i> , 2020, 15, e0240935.	1.1	26
20	Individual variation, population-specific behaviours and stochastic processes shape marine migration phenologies. <i>Journal of Animal Ecology</i> , 2019, 88, 67-78.	1.3	22
21	Variation in migration pattern, broodstock origin, and family productivity of coho salmon hatchery populations in British Columbia, Canada, derived from parentage-based tagging. <i>Ecology and Evolution</i> , 2019, 9, 9891-9906.	0.8	14
22	Genetics of century-old fish scales reveal population patterns of decline. <i>Conservation Letters</i> , 2019, 12, e12669.	2.8	23
23	Comparison of coded-wire tagging with parentage-based tagging and genetic stock identification in a large-scale coho salmon fisheries application in British Columbia, Canada. <i>Evolutionary Applications</i> , 2019, 12, 230-254.	1.5	40
24	Transcriptional shifts during juvenile Coho salmon ( <i>Oncorhynchus kisutch</i> ) life stage changes in freshwater and early marine environments. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 29, 32-42.	0.4	11
25	Population and individual identification of Chinook salmon in British Columbia through parentage-based tagging and genetic stock identification with single nucleotide polymorphisms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 1096-1105.	0.7	32
26	Detection and Assessment of the Distribution of Infectious Agents in Juvenile Fraser River Sockeye Salmon, Canada, in 2012 and 2013. <i>Frontiers in Microbiology</i> , 2018, 9, 3221.	1.5	23
27	Validity of inferring size-selective mortality and a critical size limit in Pacific salmon from scale circulus spacing. <i>PLoS ONE</i> , 2018, 13, e0199418.	1.1	9
28	Phenological Diversity of Salmon Smolt Migration Timing within a Large Watershed. <i>Transactions of the American Fisheries Society</i> , 2018, 147, 775-790.	0.6	13
29	Population and individual identification of coho salmon in British Columbia through parentage-based tagging and genetic stock identification: an alternative to coded-wire tags. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1391-1410.	0.7	47
30	Is There Evidence for Biologically Significant Size-Selective Mortality of Coho Salmon During the First Winter of Marine Residence?. <i>Transactions of the American Fisheries Society</i> , 2017, 146, 395-407.	0.6	13
31	Harnessing the Power of Genomics to Secure the Future of Seafood. <i>Trends in Ecology and Evolution</i> , 2017, 32, 665-680.	4.2	202
32	Parallel epigenetic modifications induced by hatchery rearing in a Pacific salmon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12964-12969.	3.3	170
33	Population structure of sea-type and lake-type sockeye salmon and kokanee in the Fraser River and Columbia River drainages. <i>PLoS ONE</i> , 2017, 12, e0183713.	1.1	17
34	Divergent migratory behaviours associated with body size and ocean entry phenology in juvenile sockeye salmon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 1723-1732.	0.7	15
35	Stock-specific Size and Migration of Juvenile Coho Salmon in British Columbia and Southeast Alaska Waters. <i>Marine and Coastal Fisheries</i> , 2016, 8, 292-314.	0.6	15
36	Disentangling individual- and population-scale processes within a latitudinal size gradient in sockeye salmon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 1190-1201.	0.7	13

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37	Early Ocean Life History of Harrison River Sockeye Salmon and their Contribution to the Biodiversity of Sockeye Salmon in the Fraser River, British Columbia, Canada. Transactions of the American Fisheries Society, 2016, 145, 348-362.	0.6	16
38	Population differentiation determined from putative neutral and divergent adaptive genetic markers in Eulachon ( <i>Thaleichthys pacificus</i> , Osmeridae), an anadromous Pacific smelt. Molecular Ecology Resources, 2015, 15, 1421-1434.	2.2	56
39	Stock-Specific Migration Pathways of Juvenile Sockeye Salmon in British Columbia Waters and in the Gulf of Alaska. Transactions of the American Fisheries Society, 2014, 143, 1386-1403.	0.6	29
40	Population Structure and Run Timing of Sockeye Salmon in the Skeena River, British Columbia. North American Journal of Fisheries Management, 2014, 34, 335-348.	0.5	20
41	Stock-Specific Size of Juvenile Sockeye Salmon in British Columbia Waters and the Gulf of Alaska. Transactions of the American Fisheries Society, 2014, 143, 876-889.	0.6	24
42	Advantages and Challenges of Genetic Stock Identification in Fish Stocks with Low Genetic Resolution. Transactions of the American Fisheries Society, 2014, 143, 479-488.	0.6	21
43	Population Structure and Run Timing of Sockeye Salmon in the Skeena River, British Columbia: Response to Comment. North American Journal of Fisheries Management, 2014, 34, 1171-1176.	0.5	2
44	Divergent life-history races do not represent Chinook salmon coast-wide: the importance of scale in Quaternary biogeography. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 415-435.	0.7	50
45	Anomalous Ocean Conditions May Explain the Recent Extreme Variability in Fraser River Sockeye Salmon Production. Marine and Coastal Fisheries, 2012, 4, 415-437.	0.6	36
46	A Comparison of Stock and Individual Identification for Chinook Salmon in British Columbia Provided by Microsatellites and Single-Nucleotide Polymorphisms. Marine and Coastal Fisheries, 2012, 4, 1-22.	0.6	16
47	Microsatellite Mixed-Stock Identification of Coho Salmon in British Columbia. Marine and Coastal Fisheries, 2012, 4, 85-100.	0.6	12
48	Population Structure and Run Timing of Steelhead in the Skeena River, British Columbia. North American Journal of Fisheries Management, 2012, 32, 262-275.	0.5	18
49	Comparison of Radiotelemetry and Microsatellites for Determining the Origin of Yukon River Chinook Salmon. North American Journal of Fisheries Management, 2012, 32, 720-730.	0.5	7
50	A comparison of polymorphism of genetic markers and population sample sizes required for mixed-stock analysis of sockeye salmon ( <i>Oncorhynchus nerka</i> ) in British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 550-562.	0.7	20
51	Effects of Pleistocene climatic fluctuations on the phylogeographic and demographic histories of Pacific herring ( <i>Clupea pallasii</i> ). Molecular Ecology, 2011, 20, 3879-3893.	2.0	54
52	Coho Salmon Population Structure in North America Determined from Microsatellites. Transactions of the American Fisheries Society, 2011, 140, 253-270.	0.6	27
53	Microsatellite Identification of Canadian Sockeye Salmon Rearing in the Bering Sea. Transactions of the American Fisheries Society, 2011, 140, 296-306.	0.6	8
54	Mixed-Stock Analysis of Yukon River Chum Salmon: Application and Validation in a Complex Fishery. North American Journal of Fisheries Management, 2010, 30, 1324-1338.	0.5	16

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55	Revisiting Trends in the Evolution of Egg Size in Hatchery-Enhanced Populations of Chinook Salmon from British Columbia. Transactions of the American Fisheries Society, 2010, 139, 579-585.	0.6	13
56	A comparison of stock and individual identification for sockeye salmon ( <i>Oncorhynchus nerka</i> ) in British Columbia provided by microsatellites and single nucleotide polymorphisms. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1274-1290.	0.7	25
57	Comment on "Gene flow increases temporal stability of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> )". Aquat. Sci. 66: 167-176. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 202-205.	0.7	3
58	Microsatellite Stock Identification of Chum Salmon on a Pacific Rim Basis. North American Journal of Fisheries Management, 2009, 29, 1757-1776.	0.5	23
59	Population structure and stock identification of chum salmon ( <i>Oncorhynchus keta</i> ) from Japan determined by microsatellite DNA variation. Fisheries Science, 2008, 74, 983-994.	0.7	31
60	Population structure and stock identification of chum salmon ( <i>Oncorhynchus keta</i> ) from British Columbia determined with microsatellite DNA variation. Canadian Journal of Zoology, 2008, 86, 1002-1014.	0.4	12
61	The influence of hydrographic structure and seasonal run timing on genetic diversity and isolation-by-distance in chum salmon ( <i>Oncorhynchus keta</i> ). Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 2026-2042.	0.7	32
62	The Application of Rapid Microsatellite-Based Stock Identification to Management of a Chinook Salmon Troll Fishery off the Queen Charlotte Islands, British Columbia. North American Journal of Fisheries Management, 2008, 28, 849-855.	0.5	31
63	Genetic and Coded Wire Tag Results Combine to Allow More-Precise Management of a Complex Chinook Salmon Aggregate. North American Journal of Fisheries Management, 2008, 28, 328-340.	0.5	25
64	Use of Microsatellites to Determine Population Structure and Migration of Pacific Herring in British Columbia and Adjacent Regions. Transactions of the American Fisheries Society, 2008, 137, 1795-1811.	0.6	32
65	Estimation of Stock Composition and Individual Identification of Chinook Salmon across the Pacific Rim by Use of Microsatellite Variation. Transactions of the American Fisheries Society, 2006, 135, 861-888.	0.6	83
66	Pacific Rim Population Structure of Sockeye Salmon as Determined from Microsatellite Analysis. Transactions of the American Fisheries Society, 2006, 135, 174-187.	0.6	58
67	Pacific Rim Population Structure of Chinook Salmon as Determined from Microsatellite Analysis. Transactions of the American Fisheries Society, 2006, 135, 1604-1621.	0.6	52
68	Population Structure and Stock Identification of Eulachon ( <i>Thaleichthys pacificus</i> ), an Anadromous Smelt, in the Pacific Northwest. Marine Biotechnology, 2005, 7, 363-372.	1.1	19
69	DNA-Level Variation of Sockeye Salmon in Southeast Alaska and the Nass and Skeena Rivers, British Columbia, with Applications to Stock Identification. North American Journal of Fisheries Management, 2005, 25, 763-776.	0.5	14
70	Estimation of Stock Composition and Individual Identification of Sockeye Salmon on a Pacific Rim Basis Using Microsatellite and Major Histocompatibility Complex Variation. Transactions of the American Fisheries Society, 2005, 134, 1124-1146.	0.6	125
71	DNA in Action: Rapid Application of DNA Variation to Sockeye Salmon Fisheries Management. Conservation Genetics, 2004, 5, 411-416.	0.8	65
72	Forensic DNA Analysis of Pacific Salmonid Samples for Species and Stock Identification. Environmental Biology of Fishes, 2004, 69, 275-285.	0.4	48

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73	Population Structure and Stock Identification of Steelhead Trout ( <i>Oncorhynchus mykiss</i> ) in British Columbia and the Columbia River Based on Microsatellite Variation. <i>Environmental Biology of Fishes</i> , 2004, 69, 95-109.	0.4	22
74	Stock Identification of Fraser River Sockeye Salmon Using Microsatellites and Major Histocompatibility Complex Variation. <i>Transactions of the American Fisheries Society</i> , 2004, 133, 1117-1137.	0.6	94
75	Evaluation and Application of Microsatellite and Major Histocompatibility Complex Variation for Stock Identification of Coho Salmon in British Columbia. <i>Transactions of the American Fisheries Society</i> , 2001, 130, 1116-1149.	0.6	59
76	Microsatellite DNA Population Structure and Stock Identification of Steelhead Trout ( <i>Oncorhynchus tshawytscha</i> ) in the Columbia River. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 587-600.	1.1	42
77	Intact genetic structure and high levels of genetic diversity in bottlenecked sockeye salmon ( <i>Oncorhynchus nerka</i> ) populations of the Fraser River, British Columbia, Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1985-1998.	0.7	36
78	Patterns of homing and straying in southern British Columbia coded-wire tagged chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) populations. <i>Fisheries Research</i> , 2000, 47, 41-56.	0.9	75
79	Population Structure and Stock Identification of Steelhead in Southern British Columbia, Washington, and the Columbia River Based on Microsatellite DNA Variation. <i>Transactions of the American Fisheries Society</i> , 1999, 128, 1068-1084.	0.6	47
80	Application of microsatellite DNA variation to estimation of stock composition and escapement of Nass River sockeye salmon ( <i>Oncorhynchus nerka</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 297-310.	0.7	46
81	Managing fisheries using genetic data: case studies from four species of Pacific salmon. <i>Fisheries Research</i> , 1999, 43, 45-78.	0.9	140
82	Stock identification of coho salmon ( <i>Oncorhynchus kisutch</i> ) using minisatellite DNA variation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1996, 53, 181-195.	0.7	32
83	Stock identification of chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) using minisatellite DNA variation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1996, 53, 380-394.	0.7	23
84	Population Structure and Identification of North Pacific Ocean Chum Salmon ( <i>Oncorhynchus keta</i> ) in the Columbia River. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 1430-1442.	0.7	44
85	A genetic analysis of meristic and morphometric variation in chum salmon ( <i>Oncorhynchus keta</i> ) at three different temperatures. <i>Canadian Journal of Zoology</i> , 1990, 68, 225-229.	0.4	77
86	Temperature, Egg Size, and Development of Embryos and Alevins of Five Species of Pacific Salmon: A Comparative Analysis. <i>Transactions of the American Fisheries Society</i> , 1990, 119, 927-945.	0.6	188
87	Age, Morphology, and Biochemical Genetic Variation of Yukon River Chinook Salmon. <i>Transactions of the American Fisheries Society</i> , 1989, 118, 46-63.	0.6	35
88	Variation in developmental biology of sockeye salmon ( <i>Oncorhynchus nerka</i> ) and chinook salmon ( <i>O. tshawytscha</i> ) in the Columbia River. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 70-77.	0.4	70
89	Variation in Body Size, Morphology, Egg Size, and Biochemical Genetics of Pink Salmon in British Columbia. <i>Transactions of the American Fisheries Society</i> , 1988, 117, 109-126.	0.6	83
90	A genetic analysis of body size in pink salmon ( <i>Oncorhynchus gorbuscha</i> ). <i>Genome</i> , 1988, 30, 31-35.	0.9	25

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91	Genetic analysis of growth and maturity in pink salmon ( <i>Oncorhynchus gorbuscha</i> ). <i>Genome</i> , 1988, 30, 529-535.	0.9	9
92	Comparative Developmental Biology of Chum Salmon ( <i>Oncorhynchus keta</i> ) from the Fraser River, British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1986, 43, 252-262.	0.7	35
93	Variation in number of vertebrae and gill rakers of sockeye salmon, <i>Oncorhynchus nerka</i> , in North America. <i>Environmental Biology of Fishes</i> , 1985, 14, 97-105.	0.4	11
94	Effect of Female Size, Egg Size, and Water Temperature on Developmental Biology of Chum Salmon ( <i>Oncorhynchus keta</i> ) from the Nitinat River, British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 1755-1765.	0.7	133
95	Variation in Length and Body Depth of Pink Salmon ( <i>Oncorhynchus gorbuscha</i> ) and Chum Salmon ( <i>O. keta</i> ) in Southern British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 312-319.	0.7	52
96	Biochemical Genetic Stock Identification of Chum Salmon ( <i>Oncorhynchus keta</i> ) in Southern British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 437-448.	0.7	37
97	Biochemical Genetic Stock Identification of Pink Salmon ( <i>Oncorhynchus gorbuscha</i> ) in Southern British Columbia and Puget Sound. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 1474-1483.	0.7	66
98	Meristic and morphometric variation in pink salmon ( <i>Oncorhynchus gorbuscha</i> ) in southern British Columbia and Puget Sound. <i>Canadian Journal of Zoology</i> , 1985, 63, 366-372.	0.4	50
99	Age and Morphology of Chum Salmon in Southern British Columbia. <i>Transactions of the American Fisheries Society</i> , 1984, 113, 727-736.	0.6	33
100	Sexual Dimorphism in the Adipose Fin of Pacific Salmon ( <i>Oncorhynchus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1983, 40, 2019-2024.	0.7	32
101	Fecundity of coho salmon ( <i>Oncorhynchus kisutch</i> ) and chum salmon ( <i>O. keta</i> ) in the northeast Pacific Ocean. <i>Canadian Journal of Zoology</i> , 1982, 60, 1463-1469.	0.4	26
102	Pitfall versus Live-Trap Enumeration of Fluctuating Populations of <i>Microtus townsendii</i> . <i>Journal of Mammalogy</i> , 1980, 61, 486-499.	0.6	40
103	Impact of botfly parasitism on <i>Microtus townsendii</i> populations. <i>Canadian Journal of Zoology</i> , 1980, 58, 1683-1692.	0.4	60
104	Selectivity of avian predation in declining populations of the vole <i>Microtus townsendii</i> . <i>Canadian Journal of Zoology</i> , 1979, 57, 1767-1772.	0.4	19
105	Dispersal tendency and duration of life of littermates during population fluctuations of the vole <i>Microtus townsendii</i> . <i>Oecologia</i> , 1979, 42, 11-21.	0.9	28