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Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org), [beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

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## Title word cross-reference

<sup>13</sup> [HTPS10]. <sup>15</sup> [HTPS10].  $\delta$  [HTPS10].  $\times$  [NLK17, PVST11].  $W_s$  [BBC10, BBC11, BBS19].

**0.1-ha** [BK16].

**11-Year** [SC18]. **12-mm** [BRB<sup>+</sup>17, TPC<sup>+</sup>15].

**2011** [FRL16]. **20E** [CGM13, FGS13]. **222** [CGM13, WWS<sup>+</sup>14]. **28-Year** [MCS<sup>+</sup>17]. **29** [MFRS11].

**30** [BBC11]. **305-mm** [SSP<sup>+</sup>19].

**8-** [TPC<sup>+</sup>15]. **8-mm** [OL17].

**9-** [TPC<sup>+</sup>15].

**Abandonment** [DLSW12]. **Abdominally** [TGKI10]. **Ability** [KMK<sup>+</sup>15, MCB<sup>+</sup>19]. **Abiotic** [FQ19, RHG13, SPT<sup>+</sup>12]. **Above** [CFBB15, DB13, WBB10]. **Above-Water** [CFBB15]. **Absence** [SMP<sup>+</sup>14]. **Abundance** [AJ13, BS12, BK16, BHN11, BM14, BS10, BGP10, CWH<sup>+</sup>14, DCL19, FAW14, GAWC10, GBHO11, GHL12, HKMH10, HDKB10, HHCH15, HFCH15, HHMQ15, HWFN14, HK17, HH15, KTN14, KDMH10, KSM16, KSL<sup>+</sup>19, LS13, MKRH14, MJCM15, MR16, MJ11, MH11b, MGS14, MLEK15, NCSR17, NKL18, OHL10, OHSP17, PKKR10, PSC15, PTH<sup>+</sup>10, PNHA12, RRH<sup>+</sup>11, RPBM10, RHMH15, SFW11, SBL<sup>+</sup>18a, SCG11a, TCB18, VKH<sup>+</sup>19, WWB<sup>+</sup>17, WEC<sup>+</sup>19, ZC15]. **Abundances** [SBL11, WS11b]. **Abundant** [KFW12]. **Acadian** [SDPB17]. **Acanthopagrus** [GMB10]. **Acceptable** [PS10]. **Access** [APP13, DBK11, HWB11]. **Accessibility** [GMG<sup>+</sup>15]. **Acclimated** [CFW<sup>+</sup>10, WALL17]. **Acclimating** [CCC16]. **Acclimation** [RCP<sup>+</sup>13]. **Accommodate** [APD<sup>+</sup>19]. **Account** [CA11]. **Accounting** [CJ14, GGCF14, SJM15, Vin14]. **Accumulation** [LJR11]. **Accuracy** [BGW<sup>+</sup>11, BMW<sup>+</sup>19, CWH<sup>+</sup>14, DIK19, HKMH10, HDB<sup>+</sup>12, MS16, MH11b, PZC<sup>+</sup>12]. **Accurate** [SFW11]. **Accurately** [GHK19]. **Achieve** [HTF<sup>+</sup>13, Rey15, SL15b]. **Achievement** [LBB16]. **Acid** [PHFK10]. **Acknowledgments** [Ano18h, DDD<sup>+</sup>19]. **Acoustic** [BHC<sup>+</sup>10, DHLD11, FBL<sup>+</sup>19, JPWR10, MCB<sup>+</sup>19, SAYJ17, TMC10, WRNJ<sup>+</sup>19, WHG<sup>+</sup>16, WEC<sup>+</sup>19]. **Acoustic-Tagged** [DHLD11]. **across** [ACRBB10, HFH12, HFH18, HEL<sup>+</sup>15, Kae13, RMTW16, WPJ<sup>+</sup>18]. **Act** [SC14]. **Actions** [GGC17, JBRWH18]. **Active** [HVW<sup>+</sup>17]. **Actively** [SMS13]. **Activity** [MSK19b, PRRD15]. **Adaptation** [ACMB<sup>+</sup>14]. **Adaptive** [DCS11]. **Added** [DR19]. **Addition** [GCLC18, HW10, MODC10]. **Additional** [Bea17, Dag17]. **Additions** [Kra18]. **Adequacy** [CVD<sup>+</sup>14]. **Adfluvial** [BSM17, MHDD16, RM14, SRSS12]. **Adjacent** [FWWTJD16, PVH<sup>+</sup>13]. **Adjusting** [Der14]. **Adult** [BRS<sup>+</sup>12, BHN11, BG12, BRA<sup>+</sup>18b, CSH<sup>+</sup>18, CBHB16, CKC<sup>+</sup>12, CMD12, DHLD11, DR10, EMK<sup>+</sup>17, GDP14, GKS13, GZ13, HFH12, HFH18, HO13, HLM<sup>+</sup>18, ITY13, JM12a, JHK11, KDP<sup>+</sup>10, KJN<sup>+</sup>17, KAZ15, KRJT13, KPP<sup>+</sup>18, MS18, MHR<sup>+</sup>18, MCK<sup>+</sup>15, MW19, MGWC13, MWS15, NTJ<sup>+</sup>14, POWF11, RWPH11, SG13, SSE19, SL15a, SZHC15, WBG<sup>+</sup>17, WMMB19, WHG<sup>+</sup>16]. **Advanced** [LSK<sup>+</sup>14, PTD10, TPL18]. **Advanced-Fingerling** [PTD10]. **Aegean** [GPLT12]. **Aerial** [AWG<sup>+</sup>18, HWB11, SPW<sup>+</sup>12, SLR10]. **Aerial-Access** [HWB11]. **Affect** [Bal15, LN12c, Pul17, RW11, SC17, SBD<sup>+</sup>11, TCG<sup>+</sup>17]. **Affected** [BKP<sup>+</sup>14]. **Affecting** [EDN10, KPL<sup>+</sup>16, KBH<sup>+</sup>19, OHL10, RFQ14, SS11a]. **Affects** [HLM<sup>+</sup>18]. **Afraid** [SCB<sup>+</sup>19]. **African** [NEH10]. **AFS** [PBA<sup>+</sup>17]. **After** [SHMJ19a, CBC<sup>+</sup>17, EBS18, ES14, FMA<sup>+</sup>12, GLH<sup>+</sup>18, HIS16, HMS11, HWZ19, Mea12, NWZ14, RIMR19, SWH<sup>+</sup>16, SHMJ19b, TGKI10, WHGC16]. **Age** [AJR<sup>+</sup>19, AKP15, BCZ<sup>+</sup>18, BK16, BCZ17, BBW18, BGW<sup>+</sup>17,

BMW<sup>+19</sup>, BE11, CWB16, CF18, CGG<sup>+18</sup>, CCDF18, Cle15, CPM<sup>+10</sup>, CHDW18, DM12, DSB19, DWB<sup>+15</sup>, DIK19, DRW<sup>+18</sup>, DLC11, DJS<sup>+16</sup>, EDN10, FC17, FB14, GMG<sup>+15</sup>, GWB<sup>+10</sup>, hGgXfC<sup>+13</sup>, HNH11, HM17, HSC<sup>+16</sup>, HFN11, HFH12, HFH18, HLM<sup>+18</sup>, HB16, HUB<sup>+18</sup>, HB14b, HT11, IWB10, JJ10, JF13, KSM<sup>+18</sup>, KNS18, KMPP12, LOV17, MH13, MSK18, MSK19b, OEZ17, OLOI13, OI17, PC12, PTD10, PPO18, RFLP14, RZ10, SBS14, SPT<sup>+12</sup>, SPHK16, SPL18, SWW14, SDL<sup>+15</sup>, SKS<sup>+15</sup>, SM14, TCG<sup>+17</sup>, TLC<sup>+19</sup>, TCM19, TPC<sup>+15</sup>, TP17, WS16, WRNJ<sup>+19</sup>, WSS13, WKTQ15, WF17, WSA18, WD10, ZWH<sup>+15</sup>]. **Age-0** [AKP15, BK16, BBW18, BGW<sup>+17</sup>, BE11, CWB16, CGG<sup>+18</sup>, DM12, DWB<sup>+15</sup>, DRW<sup>+18</sup>, EDN10, GMG<sup>+15</sup>, HNH11, HFH12, HFH18, HB16, HB14b, JJ10, MSK18, PTD10, SBS14, SPT<sup>+12</sup>, SWW14, SKS<sup>+15</sup>, SM14, TPC<sup>+15</sup>, WS16, WRNJ<sup>+19</sup>, WF17]. **Age-1** [MSK19b, SM14, WSS13]. **Age-Specific** [CCDF18]. **Age-Structured** [FC17, GWB<sup>+10</sup>, RZ10]. **Agent** [GKMC15]. **Ages** [BKM16, BKM19, BSM<sup>+15</sup>, TP17, WI17, WHV15]. **Aggregation** [DHA12]. **Aging** [KBK13a, OLM15, SP13, SS13b]. **Agonistic** [HB15]. **Agricultural** [CHJ<sup>+16</sup>]. **Aid** [HCH13, PDD<sup>+18</sup>, PPO18, SLR<sup>+16</sup>]. **Aimed** [APC<sup>+14</sup>]. **Ain't** [SCB<sup>+19</sup>]. **Air** [CMWM18, CDQG12, GMG16b, LM16a, RHC<sup>+14</sup>, RSQH18, RSQ<sup>+19</sup>, WMMB19]. **al** [SCPC14]. **Alabama** [CF18, HWDA12, SG13]. **Alarm** [BWHM16]. **Alaska** [CAS16, CSWW18, FHL18, HTF<sup>+13</sup>, JBHM19, LS10, LL12, MS17a, MBM13, POWF11, RIMR19, SMW16, Sta12, SCA11, SC14, SF16, WHGC16]. **Alaskan** [SS13b]. **Alberta** [MSFS12]. **Alcohol** [GF18]. **Aleutian** [TS13]. **Alevins** [MKRH14]. **Alewife** [CBC<sup>+17</sup>, GBFR18, KSL<sup>+19</sup>, RRH<sup>+11</sup>, SBB19]. **Alewives** [CSV13, SOSL10]. **Alizarin** [WMD<sup>+19</sup>]. **Allegheny** [BCMB14]. **Allele** [SH11]. **Alligator** [BDSB15, BKDB17, DPK<sup>+17</sup>, DBS19, MAH<sup>+13</sup>, SBS14, SBDB16, WHKB17]. **Allocation** [MSBP10, RMTW16]. **Allowing** [WH11]. **Alone** [LMC<sup>+16</sup>]. **along** [DV17, McB14]. **Alosa** [WBZ19]. **Alosines** [HH10]. **Alpha** [DBKG14]. **Alphanumeric** [MLHS13]. **Alpine** [CMK<sup>+19</sup>, FBB18, KKMS11, KMK<sup>+15</sup>]. **Alsea** [JPWR10]. **Altamaha** [BFP12]. **Alterations** [SHMS16]. **Altered** [SPL18]. **Altering** [GH17]. **Alternative** [BF13, DC13, FBM<sup>+19</sup>, NFQ16, SBD<sup>+11</sup>, STSH10, SLB10, WHMS14]. **Alternatives** [IWBT10]. **Ambient** [SHS15]. **Ambiguity** [HSC<sup>+16</sup>]. **America** [KFW12, KCCW19]. **American** [Ano16b, Ano19h, ABBG13, BFP12, BZ13, BBO16, BC18, CBHS16, CVD<sup>+14</sup>, GHK19, HH11a, HH11b, LCC<sup>+15</sup>, MHR<sup>+18</sup>, MSK<sup>+16</sup>, MS17b, PBA<sup>+17</sup>, PT11, SRFW14, SR16, SBW<sup>+17</sup>b, SC14, SEM14, TGS<sup>+15</sup>, TO10, TCB18, UBR<sup>+17</sup>, WHB<sup>+14</sup>, WBZ19, WA14, ZC12]. **americanus** [BC18]. **Ammocoete** [AM17]. **Ammocoetes** [RM12]. **Ammonia** [WMSH13]. **Ammonium** [SAF16, WMSH13]. **Among** [CGL18, DIK19, AW10, Aka10, ASL<sup>+13</sup>, BSTC13, CSF12, DWW17, GKS13, GSCR11, HB15, HNPB15, JM15, Kae13, KTHM13, LSQ12, OLM15, RS11, SFH<sup>+13</sup>, SPT<sup>+12</sup>, SQGK10, SEP<sup>+19</sup>, VVB<sup>+11</sup>]. **Among-Reader** [DIK19].

**Amphibian** [FBB18]. **Amphidromous** [CK10, SS13b, SMCS14].  
**Amphipods** [FRH10]. **Amplified** [SDF12]. **Anadromous** [BSM17, BBC<sup>+</sup>13, CJ14, HMBT16, HHP<sup>+</sup>12b, HH15, LPY16, OEZ17, WWB<sup>+</sup>17].  
**Anal** [BKM19]. **Analyses** [ACRBB10, DPK<sup>+</sup>17]. **Analysis** [AHVJ11, BBD19, CAS16, DCL19, FB14, FJB16, FBC<sup>+</sup>10, HTPS10, HH12, HM12, HWZ19, JHS15b, LMC<sup>+</sup>16, LS10, LL12, MBBS10, PHS<sup>+</sup>13, RR17, STW<sup>+</sup>12, SS13b, SMCS14, SBB19, TBIJ19, VMA<sup>+</sup>16, WHB<sup>+</sup>14, WTB<sup>+</sup>15].  
**Anatolia** [GPLT12]. **Anatomical** [DBKG14, ZWH<sup>+</sup>15]. **Anchor** [BF14, BR12, HHP12a, KBK13b, RWPH11]. **Anchored** [UWL13].  
**Anchoring** [BSH10]. **Androscoggin** [WBZ19]. **Anesthesia** [CGM13, VMC<sup>+</sup>11]. **Anesthetize** [DBW13]. **Anesthetizing** [HJK11].  
**Angled** [KB11, LLW<sup>+</sup>18, TS11]. **Angler** [AMQSK15, APP13, AJ13, AWG<sup>+</sup>18, BvPCH17, BHHA11, BRWQ18, BW17, Car13, Cle15, DHH17, GBL<sup>+</sup>13, HV18, HHSB13, HMD16, LM16b, MP14, McC15, McC17, MS14, PZC<sup>+</sup>12, QA16, RD10, RPJ18, See11, SSE19, SQS<sup>+</sup>17, SLR10, THI<sup>+</sup>19, WQP13, WAW<sup>+</sup>19]. **Angler-Caught** [BRWQ18].  
**Anglers** [BCBW18, BHHA11, BS11b, CSF12, DA12, FBD<sup>+</sup>19, GSG18, HAW<sup>+</sup>18, HAS<sup>+</sup>19, HM18, LM16a, LS10, LN12b, MEL<sup>+</sup>12, PZC<sup>+</sup>12, PLUH19, SF14, SFH<sup>+</sup>13, VPV18]. **Angling** [AJ10, BRN16, BLSS19, BLM<sup>+</sup>11, BGHL10, DLSW12, DA12, EBS18, FSW18, HBS<sup>+</sup>19, KDA<sup>+</sup>18, MSE<sup>+</sup>18, PB13, RSQ<sup>+</sup>19, SFH12, SMP<sup>+</sup>14, SK18b, SBL<sup>+</sup>18b, SMS13, TLL<sup>+</sup>18]. **Anguilla** [DA12]. **Animal** [Hen15]. **Annual** [BACRB14, CMC<sup>+</sup>19, HPA<sup>+</sup>11, SCS17a, SCWP17]. **Annuli** [RPH14].  
**Annulus** [BC14, BK12]. **Antenna** [BRB<sup>+</sup>17, BSTC13, FAW14, KCS<sup>+</sup>17].  
**Antennas** [KZ12, OHL10, SBL11]. **Anthropogenic** [ACMB<sup>+</sup>14].  
**Antimycin** [BJZ11, BHG<sup>+</sup>13, FSS<sup>+</sup>10, GKMC15, HMW<sup>+</sup>10]. **Antimycin-A** [BHG<sup>+</sup>13]. **antipodarum** [SAF16]. **Apache** [BB19]. **Apex** [SEB<sup>+</sup>19].  
**Appalachia** [HAS<sup>+</sup>19]. **Appalachian** [DP13, HH17, KKM16].  
**Appalachians** [HMP10]. **Apparatus** [SE12]. **Appear** [Bal15].  
**Appendaged** [BDH<sup>+</sup>14]. **Applicability** [MB17, OH15]. **Application** [ASD<sup>+</sup>18, BLM<sup>+</sup>11, CHJ<sup>+</sup>16, FBC<sup>+</sup>10, HD14, HO13, McC17, NBP15, PLCG13, PW13, SSK19, ZM17, WHC14b]. **Applications** [BKSH<sup>+</sup>12, GMG<sup>+</sup>16a, SOS<sup>+</sup>15]. **Applied** [DGS<sup>+</sup>11]. **Applying** [HWB11, JDH16]. **Approach** [BGCS11, CDD<sup>+</sup>11, DBK11, DZ17, DRC17, FJB16, FCH<sup>+</sup>13, GWCA10, HV18, HWWT15, LC14, MAM<sup>+</sup>12, MMHM17, SSK19, SBVB12, SL17a, XM14].  
**Approaches** [RÅW18, STSH10]. **Approaching** [WBZ19]. **Aquacalm** [CGM13]. **Aquaculture** [HH12, HL15]. **Aquatic** [CJA<sup>+</sup>13, DFMP18, GKMC15, HSM<sup>+</sup>18, MI10, MKWM18, RWAJ16, SPQ12, TL15, TKH<sup>+</sup>16].  
**AQUI** [CGM13, FGS13]. **AQUI-S** [CGM13, FGS13]. **Arapaima** [HL15].  
**Arctic** [ASP<sup>+</sup>17, GD10, GAH<sup>+</sup>18, HMBT16, SSS15, SZKK10, SS13b]. **Area** [HW16, MCP15, Sam19, HM17, HDM15]. **Areas** [SM19, TFP<sup>+</sup>11].  
**Argentine** [RGOR10]. **Argyrosomus** [BFLT17]. **Arizona** [AKP15, GDP14, SK18b]. **Arkansas**

[EJL10, HGW10, JHB10, LSQ12, Qui10, QA16]. **Arm** [BFS<sup>+</sup>19]. **Arrays** [BGM17, BSTC13]. **Artificial** [APD16, BOM16, Blo13, CKBP19, DDAS14, HQ10, JHS15a, KPL12, SDKS16, SBL<sup>+</sup>12]. **Artisanal** [NEH10]. **Ascending** [MSK19a]. **Asian** [CBDW15, LMC<sup>+</sup>16, LKM<sup>+</sup>17, PW13, SGCB19, ZS16]. **Asp** [FG13]. **Aspius** [FG13]. **Assay** [DSJS16, MEJ10]. **Assemblage** [BPQ13, FQ19, SHL16, TKH<sup>+</sup>16]. **Assemblages** [DWW12, DV17, HMCT16, MSFS12, MCTM14, NQ11, NW12, PP11, SS17, SHMJ19a, SHMJ19b]. **Assess** [APP13, GHL12, HBS<sup>+</sup>19, KD10, LSC<sup>+</sup>16, LS11, MSW<sup>+</sup>14, NKC16, SHM<sup>+</sup>10, SK18b, WKS<sup>+</sup>10]. **Assessed** [SOS<sup>+</sup>15]. **Assessing** [BvPCH17, CEH<sup>+</sup>15, CC15, DBJD12, DGS<sup>+</sup>11, FOH<sup>+</sup>12, FCH<sup>+</sup>13, FOH<sup>+</sup>15, GMG<sup>+</sup>16a, Ger11, GTB<sup>+</sup>19, HFCH15, HNPB15, MS16, MAM<sup>+</sup>12, MCB<sup>+</sup>19, NW12, PSCL13, RH14, RCGF18, RFW<sup>+</sup>10, RFW<sup>+</sup>11, RV12, RTMJ10, RZ10, RJC11, RPJ18, Sin18, THZ<sup>+</sup>17, BZ13]. **Assessment** [Ask16, BBG19, BCD<sup>+</sup>10, BKM16, BEK<sup>+</sup>18, BCMB14, CBC<sup>+</sup>16, CVD<sup>+</sup>14, CST<sup>+</sup>18, DBS19, Der14, DC13, FC17, FHH16, GWB<sup>+</sup>10, IW10, KKSH12, KHH13, LBB16, MFLS18, MR16, NEH10, PLCG13, PLUH19, PS10, RWAJ16, SSK19, SEP<sup>+</sup>14, SMW12, SPK10, TKH<sup>+</sup>16, WWB<sup>+</sup>17, ZWS<sup>+</sup>19, ZKM13]. **Assessments** [PCP<sup>+</sup>19]. **Assigning** [CBHB16]. **Assignment** [WWP18]. **Assignments** [CHDW18]. **Assisted** [MR16]. **Associated** [BDC<sup>+</sup>13, Bur11, PFD17, SVFG10, ZDC14]. **Associations** [ACRBB10, AJ10, BPQ13, GAH<sup>+</sup>18, PSB<sup>+</sup>10a, SQP12, WHC12]. **Assumption** [WWB<sup>+</sup>17]. **Assumptions** [HMD16]. **Atchafalaya** [PKKR10]. **Atlantic** [AES11, CS17, GSCR11, RKB15, AZE<sup>+</sup>18, BMM<sup>+</sup>12, BRS<sup>+</sup>12, Bal15, BSS<sup>+</sup>14, BC18, BG12, BG19, CC10, CHL13, DHA12, DJS<sup>+</sup>16, FDM<sup>+</sup>13, GBHO11, GBL15, GSG18, GL16, JM15, KSM<sup>+</sup>18, LBL11, McB14, MFRS11, MSHC15, MHC10, NMG<sup>+</sup>17, SW17, SHL16, SZHC15, SMW12, SDL<sup>+</sup>15, VPV18, VKH<sup>+</sup>19, WS11a, WHB<sup>+</sup>14, WBF<sup>+</sup>15, ZDC14, ZC15, ZOC<sup>+</sup>14]. **Attaching** [BF13]. **Attitudes** [DA12, HHSB13]. **Attractant** [BDS<sup>+</sup>11]. **Attractants** [CWB16]. **Attributable** [CC10]. **Attributes** [MPL<sup>+</sup>15]. **Australasian** [HCL<sup>+</sup>12]. **Australia** [FWG15, FWR<sup>+</sup>15b, GMB10, HADG10]. **Authors** [Ano11, Ano12c, Ano13, Ano15, Ano19h, Car14, MS17b]. **Automated** [KPL<sup>+</sup>16, LKB19, NTJ<sup>+</sup>14, WA14]. **Autonomous** [TMC10]. **Autumn** [WMB19]. **Auxiliary** [FB14]. **Availability** [RSI16, RKB15, SG13]. **Available** [McC17, SAF16]. **Avian** [ERC<sup>+</sup>11, FOH<sup>+</sup>12, FCH<sup>+</sup>13]. **Avoid** [MQJK19, WMB<sup>+</sup>15]. **Avoidance** [WLL<sup>+</sup>15]. **Axial** [ABČ<sup>+</sup>15]. **Axial-Flow** [ABČ<sup>+</sup>15].

**Back** [MH13]. **Back-Calculate** [MH13]. **Backpack** [DT11, DTS19, HBDA13, SLP13]. **Backwater** [CBDW15]. **Backwaters** [DM12]. **Bacterial** [MEJ10]. **Bad** [JM12b]. **Bag** [Ask16, BGCF11, MM18b, ORL<sup>+</sup>16, Ryp15]. **Baited** [SMS13]. **Balanced** [MMHM17]. **Balancing** [SCA11]. **Banff** [PT15]. **Bank** [SBG<sup>+</sup>19]. **Bar**

[BF14, BR12, HHP12a, RWPH11]. **Barbed** [Blo13, RS11]. **Barbless** [Blo13, RS11]. **Barcode** [KIST16]. **Bargaining** [Lee12]. **Barge** [MSD11]. **Barotrauma** [CGL18, ES17]. **Barramundi** [HH12]. **Barrenlands** [CEH<sup>+</sup>15]. **Barrier** [FWT14, MJH17, PMP<sup>+</sup>14]. **Barriers** [TWL<sup>+</sup>17]. **Based** [AM17, AWG<sup>+</sup>18, BKHS14, BP15, CJ14, CHDW18, DRC17, EWS<sup>+</sup>17, HV18, HWNR14, HCH13, HKP<sup>+</sup>14, JDH16, LS13, MRC12, MKHC17, MEJ10, MG10, NEH10, PCT<sup>+</sup>14, PHS<sup>+</sup>13, PLUH19, PCP<sup>+</sup>19, PDH<sup>+</sup>19, RGH<sup>+</sup>13, RBP16, SLB10, SPW<sup>+</sup>12, SLS16, WHMS14, WPJ<sup>+</sup>18, WGS16, ND15]. **Baseline** [WBB10]. **Basin** [ADMC10, FSS<sup>+</sup>10, HDKB10, HMW<sup>+</sup>10, HER<sup>+</sup>12, HADG10, KEC11, MSM<sup>+</sup>14, PKKR10, TFH<sup>+</sup>16, ZEM11, ZLB10, ACRBB10, AM17, BSS<sup>+</sup>17, BGD<sup>+</sup>19, BWT<sup>+</sup>13, BSG10, Cle15, DCS<sup>+</sup>16, EHP<sup>+</sup>16, FDHWP16, HLM<sup>+</sup>18, ILBJ12, KACS18, MCK<sup>+</sup>15, MRA14, RS18, SBW<sup>+</sup>17a, WPJ<sup>+</sup>18, WBH13]. **Basins** [RBB10a, UACZ<sup>+</sup>16]. **Bass** [ABVS14, ADD14, ALCD17, AZE<sup>+</sup>18, BDH<sup>+</sup>14, BLSS19, BKME17, BKM19, BBC10, BBC11, BBS19, BRA<sup>+</sup>18b, BRA18a, BE11, Bre13, BEH<sup>+</sup>19, BRSA15, CGDB14, CI10, CF18, CS17, DVWS10, DWB<sup>+</sup>15, DLSW12, DDEW18, DAKP13, DLC11, DN11, FC17, FSW18, FHE<sup>+</sup>12, GKS13, HGW10, HWDA12, HBS<sup>+</sup>19, HAW<sup>+</sup>18, HRKB19, HBS14a, HVW<sup>+</sup>17, HB14b, ITY13, IMM13, JHU<sup>+</sup>13, JHB10, KB10, KIST16, KDA<sup>+</sup>18, KADH15, KHDA14, LGC11, LAA<sup>+</sup>18, LHS<sup>+</sup>14, LN12c, LSK<sup>+</sup>14, MMS<sup>+</sup>17, MASN16, MSK18, MMB19, MCS<sup>+</sup>17, MB17, NTJ15, NSW16, NBFL17, NKL18, PSB<sup>+</sup>10a, PB13, PLCN17, PTD10, RD10, SHMS16, SG13, Sam16, Sam19, SPP<sup>+</sup>18, SBW<sup>+</sup>17a, SBL<sup>+</sup>18a, SLK15, SHK<sup>+</sup>17, SL15a, SB18, SOBW10, SKBK12, SQS<sup>+</sup>17, SVD<sup>+</sup>18, SS16, SSP<sup>+</sup>19, SHS15, TTS<sup>+</sup>18, TLSB18, TGA15, TPB<sup>+</sup>16, THI<sup>+</sup>19, TPL18, THZ<sup>+</sup>17, TP17, WBG<sup>+</sup>17, WI17]. **Bass** [WS11b, WMB19, WWD13, WCWA10]. **Batch** [GL16, WGM<sup>+</sup>11]. **Bathythermal** [BATK16]. **Battery** [HBDA13]. **Bay** [BGCF11, BSB<sup>+</sup>15, MKWM18, SEB<sup>+</sup>19, WHB<sup>+</sup>14, BLM10, CKCF12, ERC<sup>+</sup>11, FB14, FJB16, FBM<sup>+</sup>19, HWWT15, JHU<sup>+</sup>13, KTN14, LN12c, LBL11, OHSP17, SBD<sup>+</sup>11, TO10, UML<sup>+</sup>11]. **Bayesian** [BGCS11, BC17, GRSF<sup>+</sup>16, SBL<sup>+</sup>18a, SBVB12, VMA<sup>+</sup>16]. **Bayou** [HGW10]. **Be** [BFLT17, HTF<sup>+</sup>13, SH18]. **Beach** [JJ10]. **Beam** [HH15]. **Beaver** [JBRWH18]. **Bed** [AD13, AHAC15, PRR<sup>+</sup>13, SCB<sup>+</sup>19, WBK<sup>+</sup>10, WBK<sup>+</sup>13]. **Bedding** [HAW<sup>+</sup>18]. **Before** [SHMJ19a, HWZ19, SHMJ19b, WBB10]. **Behavior** [ABČ<sup>+</sup>15, DDEW18, HB15, HW16, HHP<sup>+</sup>12b, ITY13, JPWR10, LGC11, MCTM14, RHC<sup>+</sup>14, SDKS16, STP19, SOBW10, SQS<sup>+</sup>17, VJK13, WRNJ<sup>+</sup>19]. **Behavioral** [BLM<sup>+</sup>11, SWG<sup>+</sup>16]. **Behaviors** [CGL18, HAW<sup>+</sup>18, MCK<sup>+</sup>15]. **Being** [GLH<sup>+</sup>18]. **Believed** [BHHA11]. **below** [MH11a]. **Benchmarks** [HB11]. **Benefit** [AHVJ11]. **Benefits** [CSWW18, ES17, GGC17, SPW<sup>+</sup>12]. **Benthic** [RWT17, SWHA15, TGKZ19]. **BENZOAK** [CGM13]. **Bering** [SGF<sup>+</sup>13, Sta12, SC14]. **Bertalanffy** [OI17]. **Better** [LP17]. **Between**

[APD<sup>+</sup>18, KIST16, AJ10, BMM<sup>+</sup>12, BHN11, BK12, CEP15, CBC<sup>+</sup>17, CAWB17, DA12, FBB19, FOH<sup>+</sup>15, HPD<sup>+</sup>19, HDB<sup>+</sup>12, HFH12, HFH18, JBZ<sup>+</sup>10, KPL12, KTN14, KHDA14, KEC11, LDP<sup>+</sup>10, LLP10, LDW10, LM16b, MHBR19, PDM12, PDL<sup>+</sup>18, RW11, RWAJ16, SLR<sup>+</sup>16, SPWC15, UWL13, WCWA10]. **Beverton** [CBS13]. **Bias** [HBS14a, MQJK19, MQS13b, OLM15, OM10, PC12, RFW<sup>+</sup>10, SR16, SLR10, SCPC14, WHC14a, WHC14b, YC11]. **Biased** [TP17]. **Biases** [Ger10, Ger11, RFW<sup>+</sup>11, RV12, SCPC14]. **Big** [DC13]. **Bigger** [LP17]. **Bighead** [CSWP19, LDP<sup>+</sup>10, RJP<sup>+</sup>15]. **Bight** [DJS<sup>+</sup>16, CS17]. **Billy** [RSHS15]. **Bingham** [BCD<sup>+</sup>10]. **Bioacoustic** [FWT14]. **Bioassessment** [OH15]. **Bioeconomic** [BLM10, HWWT15]. **Bioelectrical** [SMCS14]. **Bioenergetic** [RBP16, SOSL10]. **Bioenergetic-Based** [RBP16]. **Bioenergetics** [FCH<sup>+</sup>13, GHK19, SHK<sup>+</sup>17]. **Biological** [AW10, JHU<sup>+</sup>13, LSL<sup>+</sup>13, PS10, SCA11, WBT17, ZKM13]. **Biology** [Gre11, TS13]. **Biomass** [Der14, ESL<sup>+</sup>15, HW10, JWC10, KW13, Kra18]. **Biota** [DFMP18]. **Biotic** [MSK19b, OH15, RHG13]. **Bitterroot** [NEC<sup>+</sup>13]. **Black** [ABVS14, BK16, BDH<sup>+</sup>14, CS17, FBB19, ITT10, IWB10, ISC10, Ise10, IMM13, KCCW19, LSMD15, MMS<sup>+</sup>17, MIH15, PDM12, Sam19, SHS15, TSNH10, JWC10]. **Blackfish** [FHL18]. **Blackfoot** [TGS<sup>+</sup>15]. **Blacknose** [CC10]. **Block** [MJH17]. **Blood** [DP13]. **Blue** [AOS<sup>+</sup>17, ASD<sup>+</sup>18, BS10, BF13, BF14, BLM10, GFM<sup>+</sup>18, HBLL12, HWWT15, NLK17, RH16, SS13a, ZC10]. **Blueback** [DR10, DG12, Gur12, GBTL14]. **Bluefin** [GSG18, MG14]. **Bluegill** [BW18, BLSS19, HWDA12, Ryp15, SEP<sup>+</sup>19, THI<sup>+</sup>19]. **Bluegills** [KWMB11, KMPP12, NKL18, RLC12, WWD13]. **Bluehead** [HUST17]. **Boat** [ADMC10, BS12, BS11b, HPD<sup>+</sup>19, MQJK19, MK13, MBPG12, NQ11, PA16, THZ<sup>+</sup>17]. **Boats** [MK13]. **Bodied** [AD13, KCS<sup>+</sup>17, RPC<sup>+</sup>19, WBK<sup>+</sup>10, WBK<sup>+</sup>13, BGW<sup>+</sup>11]. **Bodies** [BEH<sup>+</sup>19]. **Body** [NKL18, Ran18, SKBB15]. **Boise** [ND11]. **Bone** [WSA18]. **Bones** [PC12]. **Bonneville** [BWR12]. **Bonytail** [BSS<sup>+</sup>17, DHK<sup>+</sup>19, SCG11b]. **Boot** [SM13]. **Boreal** [McG14]. **Both** [FMA<sup>+</sup>12, ZS16]. **Bowfishing** [Qui10]. **Branch** [Kra18]. **Brand** [NLK17]. **Branding** [Bea17, DK16, Dag17]. **BRD** [ASD<sup>+</sup>18, GFM<sup>+</sup>18]. **BRDs** [GFM<sup>+</sup>18]. **Bretton** [GBL15]. **Brief** [Bal15]. **Brink** [GBHO11]. **British** [BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, PRTS14, BRBP10, MMP12, VMA<sup>+</sup>16]. **Broad** [MSC13, PLCG13]. **Broad-Scale** [MSC13, PLCG13]. **Broodstock** [BKHS14, BEK<sup>+</sup>18, MW19, MEJ10]. **Brook** [AW10, BTD<sup>+</sup>12, BHG<sup>+</sup>13, CCMA<sup>+</sup>10, DKWG14, GFP<sup>+</sup>12, HNH11, HH17, HAS<sup>+</sup>19, HK17, HDM15, HBA<sup>+</sup>12, KKM16, KHH13, KSH<sup>+</sup>16, KMK<sup>+</sup>15, KW13, Kra18, LKB19, LSL<sup>+</sup>13, LLW<sup>+</sup>18, MJ11, MSC13, OL17, PFRM12, PVST11, RZ10, SMH17, SRSS12, SNTZ14, SQGK10, TCM19, WDD<sup>+</sup>14, WWP18]. **Brown** [ACS19, DWCK16, DTA18, DSD<sup>+</sup>13, HM17, JWC10, Mat10, MSC13, MB12, NWZ14, QK11, SHSCA16, WMSV18, JM15]. **Brunswick** [LAA<sup>+</sup>18, SDL<sup>+</sup>15, ALCD17, WBZ19]. **Bubble**

[FWT14, GLCD13, MJH17, SWW14, ZS16]. **Budd** [TPBF15]. **Budgetary** [GTB<sup>+</sup>19]. **Built** [DTS19]. **Bulkley** [TEB<sup>+</sup>19]. **Bull** [ACRBB10, ASP<sup>+</sup>17, BPB13, BBD19, BB12, BPT<sup>+</sup>19, BHG<sup>+</sup>13, DB13, DGS<sup>+</sup>11, ES14, GMG<sup>+</sup>16a, HS12, MAM<sup>+</sup>12, MHDD16, MGS14, NEC<sup>+</sup>13, PVST11, RSHS15, WGJ10]. **Burbot** [AYC14, AJR<sup>+</sup>19, BQHR17, BRWQ18, BQR<sup>+</sup>19, GM12, KQRS16, NCJ<sup>+</sup>11]. **Burden** [BHC<sup>+</sup>10, LFD<sup>+</sup>17]. **butcheri** [GMB10]. **Bycatch** [ASD<sup>+</sup>18, BFP12, BATK16, BSS<sup>+</sup>14, BM14, BC18, GGC17, GFM<sup>+</sup>18, MCH12, RGC<sup>+</sup>12, RJMG13, SMW12, ZC15]. **Bypass** [APPR14].

**C** [HTPS10]. **Cage** [SC18]. **calcarifer** [HH12]. **Calcein** [BFLT17, CMF<sup>+</sup>14, EKM10, HQ10, LP12, MKRH14, WMD<sup>+</sup>19]. **Calcified** [BCZ<sup>+</sup>18, BKM16, BMW<sup>+</sup>19, OLM15, WMD<sup>+</sup>19]. **Calculate** [MH13]. **Calculating** [CHBY13]. **Calibration** [WKP14]. **California** [BS11a, BBS18, DK16, DBE11, FOH<sup>+</sup>15, GWCA10, GRR<sup>+</sup>17, HDB<sup>+</sup>12, HW10, HPM<sup>+</sup>18, MGB<sup>+</sup>14, PRM15, RR17, SHMS16]. **californicus** [HDB<sup>+</sup>12]. **Callinectes** [AOS<sup>+</sup>17, ASD<sup>+</sup>18]. **Calling** [HBS<sup>+</sup>19]. **Camera** [AWG<sup>+</sup>18, MI10]. **Cameras** [PA16, SPW<sup>+</sup>12, SK18b]. **Can** [FBL<sup>+</sup>19, HTF<sup>+</sup>13, Hen15, HVW<sup>+</sup>17, MQJK19, MSK19b, RW11, SCW13]. **Canada** [CJH16, GD10, GBHO11, HMBT16, Hax15, LAA<sup>+</sup>18, PT15, SPHK16, SDL<sup>+</sup>15, VMA<sup>+</sup>16, WHB<sup>+</sup>14]. **Candidate** [WMSH13]. **Cannot** [LMC<sup>+</sup>16]. **Canyon** [GDP14, PHS<sup>+</sup>13]. **Capacity** [GCA<sup>+</sup>13]. **Cape** [GBL15]. **Captive** [BDC<sup>+</sup>13, VJK13]. **Captive-Reared** [VJK13]. **Capture** [Bal15, Blo13, BS10, CCDF18, GHL12, HMP10, JHK11, KD10, PP10, SWHA15, TRB<sup>+</sup>13, TEB<sup>+</sup>19, YS12]. **Captured** [KHBH19, McC16, SS11b]. **Captures** [KCCW19]. **Capturing** [CDBW17, HPD<sup>+</sup>19]. **Carbon** [CST<sup>+</sup>18, KAZ15, VMC<sup>+</sup>11]. **Carcass** [DPS<sup>+</sup>17, HW10, MPM10]. **Carcasses** [SHM<sup>+</sup>10]. **Caribbean** [CK10]. **Carolina** [DBJD12, GRCR10, RH14, AS10, BR14, FMP19, HH11a, HH11b, HH15, ORA17, WHC12]. **Carp** [BS12, BGBG17, BFS<sup>+</sup>19, BDB<sup>+</sup>19, CSWP19, CWB16, CBHS16, CBDW15, CDBW17, CPSG12, DHLD11, HPD<sup>+</sup>19, HB14a, KML14, KCCW19, LDP<sup>+</sup>10, LKV<sup>+</sup>17, LMC<sup>+</sup>16, LKM<sup>+</sup>17, MKBB13, PW13, RSLG10, RHC<sup>+</sup>14, RJP<sup>+</sup>15, SP13, SDF<sup>+</sup>13, SJM15, SC18, SPWC15, SCWP17, WSH<sup>+</sup>14, WALL17, WKTQ15, WHB11, ZGW11, ZS16]. **Case** [ACMB<sup>+</sup>14, BACRB14, BT16, CWH<sup>+</sup>14, DASB16, FJB16, GHK19, HVW<sup>+</sup>17, MKBB13, MWS15, MCS<sup>+</sup>17, MSK19a, MHC10, RWAJ16, RGOR10, SBL<sup>+</sup>18a, SDF12]. **Caspian** [ERC<sup>+</sup>11]. **Cataraft** [HHMQ15]. **Cataraft-Mounted** [HHMQ15]. **Catch** [AS10, Aka10, BHHA11, BGCH17, BHN11, BDH<sup>+</sup>14, BDSB15, BGHL10, BMMMLML15, CvPW15, CWB16, CSF12, CI10, CBDW15, CKCF12, DKWG14, DLSW12, ES17, EBS18, FF15, FC17, FSW18, FB14, FWR<sup>+</sup>15b, GBL<sup>+</sup>13, HHSB13, KD10, Kro19, LM16a, LFD<sup>+</sup>17, LJR11, MQJK19, MMS<sup>+</sup>17, MQS12, McC15, McC16, MH11a, MSK18, PZC<sup>+</sup>12, PDM12, PB13, PA16, PS10, Pul17, RR17, RZ10, RGOR10, RPJ18, RSQ<sup>+</sup>19, Sam16, Sam19, SCS17a, SBD<sup>+</sup>11, SS11a, SLK15, SMP<sup>+</sup>14, SBC<sup>+</sup>11, See11, STW<sup>+</sup>12,

SCW<sup>+</sup>17, SL12, SC14, SBL<sup>+</sup>18b, SEP<sup>+</sup>19, WHC14a, WHC14b].

**Catch-And-Release**

[LFD<sup>+</sup>17, BGHL10, CvPW15, DKWG14, ES17, EBS18, FSW18, GBL<sup>+</sup>13, MMS<sup>+</sup>17, McC16, MH11a, PB13, RZ10, RSQ<sup>+</sup>19, Sam19, SMP<sup>+</sup>14, SBL<sup>+</sup>18b].

**Catch-at-Age** [FB14]. **Catch-Curve** [STW<sup>+</sup>12]. **Catch-Free** [FC17].

**Catch-Oriented** [BHHA11]. **Catch-per-Unit-Effort** [WHC14a, WHC14b].

**Catch-Related** [CvPW15, HHSB13]. **Catchability**

[KSH<sup>+</sup>16, THZ<sup>+</sup>17, WEC<sup>+</sup>19]. **Catchable** [KM11, MSK<sup>+</sup>16].

**Catchable-Sized** [MSK<sup>+</sup>16]. **Catches**

[BDS<sup>+</sup>11, CS17, Mat10, OMT<sup>+</sup>15, SE12, SEP11, TSNH10]. **Catching** [CL12]. **Categories** [BBC10, BBC11, BBS19, CAWB17, DN11]. **Catfish** [BSL18, BS10, BF13, BF14, BSO<sup>+</sup>16, CPM<sup>+</sup>10, EPM16, FMP19, HGW16, HBLL12, HHSB13, LDW10, MCSF<sup>+</sup>17, NLK17, PDD<sup>+</sup>18, QA16, SS13a, SEB<sup>+</sup>19, SPHK16, Sin18, SL12, ZC10]. **Catostomid** [SRFS15]. **Catostomus** [UMC14]. **Catskill** [GBFR18]. **Caught** [BEK<sup>+</sup>18, BRWQ18, CMWM18, GMG16b, GMB10, Kae13, RHC<sup>+</sup>14, RS11, RSQH18, SS13a, SVFG10].

**Caught-and-Released** [RHC<sup>+</sup>14, RSQH18]. **Causes** [MHC10]. **Ceded**

[HS19, MSE<sup>+</sup>18]. **Central**

[HAS<sup>+</sup>19, MGB<sup>+</sup>14, BPQ13, BS11a, BG13, CBM13, FWWTJD16, FOH<sup>+</sup>15, HWDA12, HMBC16, HMP10, MP14, PLCG13, SHMS16, SSK18, WFWSV14].

**Centuries** [Hen15]. **Ceratomyxa** [HHB12]. **cerebralis** [ZLB10]. **Certain**

[HW12]. **Certification** [ZGW11]. **Cessation** [SDF12]. **Chain**

[BCZ<sup>+</sup>18, HSHH17]. **Challenges** [CKC<sup>+</sup>12, KDP<sup>+</sup>10]. **Champlain**

[HMS11, MMS<sup>+</sup>17, PPO18]. **Change**

[BB19, DN11, KLR<sup>+</sup>12, PM14, RFHP17]. **Changes**

[BRBP10, CBC<sup>+</sup>16, CBC<sup>+</sup>17, ES14, GBFR18, HH17, HMS11, NWZ14, RPBM10, SBC<sup>+</sup>11, SHMJ19a, VEW<sup>+</sup>13, WH12]. **Changing** [HGK15].

**Channel**

[BSL18, Bre13, CPM<sup>+</sup>10, DHB<sup>+</sup>10, EPM16, HWZ19, LDW10, MRC12, NLK17, PDD<sup>+</sup>18, QA16, SB15, SPHK16, Sin18, SD11, SL12, TRB11].

**Channels** [BSH10]. **Char** [GD10, HMBC16, Nak13]. **Characteristics**

[AJ10, BQR<sup>+</sup>19, DHH17, DGF11, GD10, HHR<sup>+</sup>18, Hax15, HPM<sup>+</sup>18, HEL<sup>+</sup>15, HDM15, JHB10, KRB<sup>+</sup>16, KQRS16, MHDD16, MKHC17, NKC16, PVST11, PDH<sup>+</sup>19, UACZ<sup>+</sup>16, WLL<sup>+</sup>15, WQP13, WKP14].

**Characterization** [BSS<sup>+</sup>14, HS19, HPA<sup>+</sup>11, HM18]. **Characterize**

[BLM<sup>+</sup>11, Mea12]. **Characterizing**

[GSG18, MSE<sup>+</sup>18, PBA<sup>+</sup>17, SS17, THI<sup>+</sup>19]. **Checks** [CHDW18]. **Chemical** [FMA<sup>+</sup>12, GPP<sup>+</sup>10, JTB16]. **Chemistry** [DP13, RCGF18, WPJ<sup>+</sup>18].

**Chesapeake** [OHSP17, BLM10, HWWT15, JHU<sup>+</sup>13, KTN14, LN12c,

LBL11, SBD<sup>+</sup>11, SEB<sup>+</sup>19, TO10, UML<sup>+</sup>11]. **Chewing** [LKV<sup>+</sup>17]. **Chinook** [RSHS15, AT18, BSM17, BHC<sup>+</sup>10, BC17, BSG10, BSBF13, BBS18, CBS<sup>+</sup>12, CWH<sup>+</sup>14, CSH<sup>+</sup>17, CBC<sup>+</sup>16, CBC<sup>+</sup>17, CCC16, CMD12, FHC16, FBL<sup>+</sup>19, FCE<sup>+</sup>12, GLH<sup>+</sup>18, HD14, HLM<sup>+</sup>18, HJB14, HPM<sup>+</sup>18, HWFN14, HQ10, HRH10, JKN<sup>+</sup>10, JDG10, JF13, JF14, JNC<sup>+</sup>16, KJN<sup>+</sup>17, KAZ15, KRB<sup>+</sup>16,

KTHM13, KPP<sup>+18</sup>, KSL<sup>+19</sup>, MS18, MNYV12, MFLS18, MQS12, MQS13a, MQS13b, MSD11, MSS<sup>+12</sup>, MGB<sup>+14</sup>, MEJ10, MPM10, NKC<sup>+18</sup>, NB10, PRM15, PSB<sup>+10b</sup>, PFD17, RM14, RCP<sup>+13</sup>, SHMS16, SEP<sup>+14</sup>, SM19, SLG<sup>+15</sup>, TFP<sup>+11</sup>, TBH<sup>+14</sup>, TPC<sup>+15</sup>, VWB<sup>+11</sup>, VEW<sup>+13</sup>, VJK13, WWS<sup>+14</sup>, WS16, WHMS14, ZWS<sup>+19</sup>]. **Chloride** [MKK<sup>+12</sup>, SCG11b]. **Choice** [CSF12, DC13, MQJK19]. **Choke** [LKM<sup>+17</sup>]. **Chub** [DASB16, GDP14, GPLT12, GFP<sup>+12</sup>, HB16, HW19, PHS<sup>+13</sup>, UMC14, WPY<sup>+15</sup>]. **Chum** [CJ14, FBC<sup>+10</sup>, GLCD13, KSMN18, POWF11, SOS<sup>+15</sup>]. **Chutes** [GMG<sup>+15</sup>]. **Cichla** [NBFL17]. **Cichlid** [BFN16]. **Circle** [BDH<sup>+14</sup>, BMMMLML15, KSH<sup>+16</sup>, SKH<sup>+16</sup>, SMS13]. **Cisco** [FBM<sup>+19</sup>, KMPV13, MRB<sup>+11</sup>, RHG12, RHG13]. **Clackamas** [MAM<sup>+12</sup>]. **Clair** [KYD18, BSB<sup>+15</sup>]. **Clam** [FWG15]. **Clark** [DB13]. **clarkii** [LPY16, LPY16]. **Class** [FC17, HFH12, HFH18, LOV17, LO18, NTJ15]. **Classes** [DS12]. **Classification** [CSWP19]. **Claw** [DKSW15]. **Clear** [BE11]. **Clearwater** [DCS<sup>+16</sup>, FBD<sup>+19</sup>]. **Climate** [ACMB<sup>+14</sup>, BB19, KTN14, KLR<sup>+12</sup>, PM14, RFHP17]. **Closure** [ES14, HMS11, Mat10, WWB<sup>+17</sup>]. **Cluster** [DCS11]. **Coarse** [LGC11, WWW15, WS11b]. **Coast** [DPK<sup>+17</sup>, CDD<sup>+11</sup>, DC13, HR11a, LS17, McB14, WHB<sup>+14</sup>, WBF<sup>+15</sup>]. **Coastal** [BR14, BS11a, BA18, BRA<sup>+18b</sup>, BRA18a, BRSA15, BKP<sup>+14</sup>, CBWB14, JBZ<sup>+10</sup>, KML14, LPY16, MS17a, PSCL13, Pto13, RGC<sup>+12</sup>, RMTW16, SPM15, SBTW17, VBBK16, ZC15, GWCA10]. **Coaster** [LSL<sup>+13</sup>]. **Cod** [BC18, DHA12, FWR<sup>+15b</sup>, FWR<sup>+15a</sup>, MFRS11, ZDC14, ZC15]. **Coded** [AAYC14, BSL18, BR12, ERC<sup>+11</sup>, GL16, JSDJ16, KPL<sup>+16</sup>, KBH<sup>+19</sup>, LKB19, LXM<sup>+12</sup>]. **Coded-Wire-Tagged** [KBH<sup>+19</sup>]. **Coded-Wire-Tagging** [JSDJ16]. **Coeur** [SD11]. **Coexistence** [PJLB14]. **Cogradient** [APD<sup>+18</sup>]. **Coho** [BCD<sup>+10</sup>, BKP<sup>+14</sup>, CBWB14, GDLM17, HLS<sup>+17</sup>, JM12b, JCB<sup>+18</sup>, KAZ15, KLR<sup>+12</sup>, RFQ14, RPBM10]. **Cohort** [BSM<sup>+15</sup>, PTD10]. **Cohorts** [WH11]. **Coincide** [RRH<sup>+11</sup>]. **Coldwater** [FDHWP16, GH17, WMB19]. **Collapse** [CBC<sup>+17</sup>]. **Collected** [NTJ<sup>+14</sup>, UWL13, WBF<sup>+15</sup>]. **Collecting** [BGBG17]. **Collection** [MW19, NSW16]. **Collector** [WBGM13, WBF13]. **Colonial** [EHP<sup>+16</sup>]. **Colony** [ERC<sup>+11</sup>, SCMP13]. **Colorado** [BSS<sup>+17</sup>, BWT<sup>+13</sup>, AKP15, BRN16, BFS<sup>+19</sup>, CCDF18, GDP14, HHRB15, HFRH17, LN12b, WBH13]. **Columbia** [CJH16, HLM<sup>+18</sup>, JBZ<sup>+10</sup>, KRJT13, NTJ<sup>+14</sup>, SHMJ19a, SHMJ19b, VMA<sup>+16</sup>, ACRBB10, AM17, BWLB12, BCRM<sup>+14a</sup>, BCRM<sup>+14b</sup>, BKSH<sup>+12</sup>, BRBP10, HWFN14, JKN<sup>+10</sup>, JKSK13, MMP12, MRA14, PRTS14, RS18, SEP<sup>+14</sup>, SWH<sup>+16</sup>, SM19, TBH<sup>+14</sup>]. **Combinations** [WGM<sup>+11</sup>]. **Combined** [RFHP17]. **Combining** [HWNR14, HH15, WMB<sup>+15</sup>]. **Comment** [ABP<sup>+18</sup>, AD13, BCRM<sup>+14b</sup>, Bea17, Can17, Dag17, Erm12, FSS<sup>+10</sup>, FSV12, GGCF14, Ger11, HMW<sup>+10</sup>, HBS14b, PRTS14, RFW<sup>+11</sup>, RV12, Rey15, SCP14, SL15b, Vin14, WBK<sup>+13</sup>, WCY<sup>+18</sup>]. **Commercial** [ASS17, BFP12, BATK16, CPSG12, CH17, DCP<sup>+19</sup>, GRCR10, GMB10, HMBT16, HMS11, JBHM19, MBM13, OMT<sup>+15</sup>, RB15, SS11b, SC18, WHB11].

**Commercially** [SAF16]. **Commitment** [DA12]. **Common** [ASL<sup>+</sup>16, BS12, BA11, CWB16, CBHB16, CBHS16, CPM<sup>+</sup>10, CPSG12, HB14a, HMP10, RHC<sup>+</sup>14, RM12, SQS<sup>+</sup>17, SLG<sup>+</sup>15, SC18, WKTQ15, WHB11, ZS16]. **Common-Garden** [SLG<sup>+</sup>15]. **Commonwealth** [ASS17]. **Communicating** [FHH16]. **Communities** [AHAC15, BSBC14, Mea12, MOJ12, PBA<sup>+</sup>17]. **Community** [BBB<sup>+</sup>14, CJA<sup>+</sup>13, KMB<sup>+</sup>12, MKWM18, PKKR10, PRRD15, SVPD13, SSPP19, WKS<sup>+</sup>10]. **Comparative** [BTD<sup>+</sup>12, FSS<sup>+</sup>10, HMW<sup>+</sup>10, UMC14]. **Compared** [DLSW12, NSW16, PP11, TPL18]. **Comparing** [GGCF14, KRB<sup>+</sup>16, LS13, LN12b, MHAO11, ORC<sup>+</sup>16, SF14, TP17, UBR<sup>+</sup>17, Vin14]. **Comparison** [APF18, AHAC15, BA18, BGCF11, BCZ17, BFN16, BKME17, BA11, BGW<sup>+</sup>17, BGM17, BSTC13, BBC<sup>+</sup>13, CSV13, CBDW15, CDBW17, CPM<sup>+</sup>10, DSJS16, DCHC13, EJL10, FSW16, FCE<sup>+</sup>12, hGgXfC<sup>+</sup>13, HPD<sup>+</sup>19, HHMQ15, JPWR10, KPL12, KSH<sup>+</sup>16, KAZ15, KSG<sup>+</sup>18, KDMH10, KYD18, Kro19, MHBR19, NQ11, NCMT12, PDM12, PBA<sup>+</sup>17, PN19, PVH<sup>+</sup>13, PTD10, PDL<sup>+</sup>18, RBB10a, RBB<sup>+</sup>10b, RMTW16, SKH<sup>+</sup>16, STSH10, SBL11, SS17, SGC13, TSFS19, WKS<sup>+</sup>10, WI17, WD10, WMD<sup>+</sup>19, ZWH<sup>+</sup>15]. **Comparisons** [Ano12b, ITT10, JY11, OLM15, PC12, TSNH10]. **Compatibility** [RBB<sup>+</sup>10b]. **Compensatory** [CA11, SB11]. **Competition** [MSK19b]. **Complete** [RH14]. **Complex** [BSVB19, FBC<sup>+</sup>10, HCH13, PT15, RBB10a, RPJ18, SSS15, SHMJ19a, SHMJ19b]. **Complexes** [CDD<sup>+</sup>11, DSB19, HCH13]. **Complexity** [HKMH10, SS16, WWW15, ZEM11]. **Compliance** [Car13, SWH<sup>+</sup>16]. **Composition** [DLC11, JKN<sup>+</sup>10, PLCN17, PTD10, PHFK10, SCKZ17, SHL16]. **Compounds** [DBW13, SAF16]. **Compression** [LMS<sup>+</sup>18]. **Computed** [MHBR19]. **Concealment** [HW16]. **Concentration** [LLP10]. **Concentrations** [HPA<sup>+</sup>11, RRH<sup>+</sup>11]. **Concern** [CI10]. **Concurrently** [BvPCH17]. **Condition** [CF18, CGG<sup>+</sup>18, HH17, KJN<sup>+</sup>17, KSG<sup>+</sup>18, LS11, NKL18, SCG11a]. **Condition-Dependent** [KJN<sup>+</sup>17]. **Conditional** [SWHA15]. **Conditioned** [TPL18]. **Conditions** [CSF12, HHR<sup>+</sup>18, HKP<sup>+</sup>14, JWC10, LMS<sup>+</sup>18, McG14, PPFC18, RHC<sup>+</sup>14, SCB<sup>+</sup>19, UML<sup>+</sup>11, VJK13]. **Conductivity** [DT11, HKMH10, LCR19, MKK<sup>+</sup>12]. **Configurations** [SBW<sup>+</sup>16, VKBL11]. **Conflicts** [BKHS14]. **Congruent** [OHSP17]. **Conjoint** [MBBS10]. **Connecticut** [BBB<sup>+</sup>14]. **Connectivity** [AW10, MC10, RH14, WFWSV14]. **Consensus** [DRC17]. **Consequences** [Der14, DKSW15, GGC17, HBA<sup>+</sup>12, LSL<sup>+</sup>13, PM14, RHC<sup>+</sup>14, SOSL10, SC14, TEB<sup>+</sup>19, TP17]. **Conservation** [ACMB<sup>+</sup>14, BACRB14, BKHS14, CCMA<sup>+</sup>10, CDQG12, DA12, GMG<sup>+</sup>16a, HS19, MAG<sup>+</sup>15, PT11, SPQ12, SQP12, SHM<sup>+</sup>10, TPB<sup>+</sup>16, WQF15, WHMS14]. **Conservative** [RD10]. **Conserving** [CGL18]. **Consideration** [WCWA10]. **Consistency** [KTHM13]. **Consistently** [DZ17, FBB19]. **Consisting** [MJH17]. **Conspecifics** [SM14]. **Constant** [HB14b]. **Constraints** [Bre13, GTB<sup>+</sup>19]. **Constructed** [GMG<sup>+</sup>15, PQB10].

**Construction** [HWZ19, PFRM12]. **Consumed** [SHK<sup>+</sup>17, TGA15].  
**Consumers** [WHC12]. **Consumption** [CSWW18, FH16, GHK19, LRHR17, SCMP13]. **Consumption-Oriented** [FH16, LRHR17]. **Consumptive** [HGW16]. **Contact** [SBW<sup>+</sup>17b]. **Content** [NSW16, SMCS14]. **Context** [BHHA11, DHH17, HCL<sup>+</sup>12, PCP<sup>+</sup>19, Rey15, SL15b]. **Context-Dependent** [HCL<sup>+</sup>12, PCP<sup>+</sup>19]. **Continuous** [TPBF15, TKH<sup>+</sup>16]. **Contrast** [RGH<sup>+</sup>13]. **Contrasting** [DWCK16, HMCT16, Sta12, SPWC15]. **Contribute** [HVW<sup>+</sup>17]. **Contribution** [LAM16]. **Contributions** [BSB<sup>+</sup>15, DSB19, OMT<sup>+</sup>15]. **Control** [ACMB<sup>+</sup>14, BT16, CPSG12, ILBJ12, KML14, RWAJ16, SDF<sup>+</sup>13, SC18, WWM13, ZC12]. **Controlling** [SAF16]. **Controls** [NKC<sup>+</sup>18, VPV18, WBT17]. **Conundrum** [Can17]. **Conventional** [HPD<sup>+</sup>19, RGOR10]. **Convergence** [SBG<sup>+</sup>19]. **Conversion** [DC13]. **Conversions** [PSCS11]. **Conveyance** [MGWC13]. **Cool** [BB19, CMC<sup>+</sup>19]. **Cool-Season** [CMC<sup>+</sup>19]. **Cooling** [MMP12]. **Cormorant** [SCMP13]. **Cormorants** [MSK<sup>+</sup>16]. **Correcting** [BHW13, SLR10]. **Correction** [SR16]. **Correlations** [Kae13]. **Corrosion** [LMS<sup>+</sup>18]. **Corrugated** [PSCL13]. **Cortisol** [FGS13]. **Cost** [AHVJ11, CBWB14, CBDW15, SPW<sup>+</sup>12, SGC13]. **Cost-Effective** [SGC13]. **Costs** [SMK13]. **Count** [HWB11, MSW<sup>+</sup>14]. **Counters** [SB15]. **Counts** [AWG<sup>+</sup>18, HS12, PFRM12, SLB10, SPW<sup>+</sup>12, SLR10, VBBK16, WKP14, XM14]. **County** [GWCA10]. **Cover** [CBWB14, CKBP19, DR19, HW16]. **Coverage** [NTJ15]. **Covered** [RJMG13]. **Cowlitz** [KTHM13]. **Crab** [AHVJ11, ASD<sup>+</sup>18, BLM10, GCLC18, GFM<sup>+</sup>18, HWWT15, MBM13, RJMG13, RH16, SGF<sup>+</sup>13, SCW<sup>+</sup>17, TDM19, WHC12]. **Crabs** [ADMC10, AOS<sup>+</sup>17, DKSW15]. **Crank** [FMP19]. **Crappie** [ABVS14, BK16, ITT10, IWB10, MDM12, MIH15, PCP<sup>+</sup>19, TSNH10]. **Crappies** [BDS<sup>+</sup>11, DM12, FBB19, ISC10, Ise10]. **Crayfish** [BA18, ETD16, RB15, RD10, WS13]. **Created** [SCPC14]. **Creek** [BCD<sup>+</sup>10, Bri17, CWH<sup>+</sup>14, DK16, DBE11, RM14, SHK<sup>+</sup>17]. **Creeks** [GRCR10]. **Creel** [AMQSK15, KD10, LSLC15, MQS13a, MQS13b, MM17, MIH15]. **Crested** [MSK<sup>+</sup>16, SCMP13]. **Criteria** [GSCCP18, VMA<sup>+</sup>16]. **Critical** [CMMR19]. **Croaker** [NEH10]. **Cross** [NEH10]. **Crossing** [PQB10]. **Cryptic** [WAW<sup>+</sup>19]. **Cucumber** [HDB<sup>+</sup>12]. **Cue** [BWHM16]. **Cui** [SRFW14, SRFS15]. **Cui-ui** [SRFW14, SRFS15]. **Cull** [GCLC18, RH16]. **Culter** [LXM<sup>+</sup>12, LXM<sup>+</sup>12]. **Cultured** [CMF<sup>+</sup>14, CSH<sup>+</sup>18]. **Culvert** [SHMJ19a, SHMJ19b, WWP18]. **Culverts** [BG13, MSFS12, PSCL13, PN19, PQB10]. **Current** [DT11, DDD<sup>+</sup>18, GD10, GFC<sup>+</sup>15, SW17, SPQ12]. **Curtain** [ZS16]. **Curtains** [CSH<sup>+</sup>17, SWW14]. **Curve** [STW<sup>+</sup>12]. **Curves** [RBP16, WMB<sup>+</sup>15]. **Cusk** [ZC15]. **Cutthroat** [ACS19, APAC12, ASL<sup>+</sup>13, ASL<sup>+</sup>16, BACRB14, BBO16, BWR12, BKP<sup>+</sup>14, CMK<sup>+</sup>19, DZS10, DCS<sup>+</sup>16, EMK<sup>+</sup>17, Gre11, HHRB15, HFRH17, HGK15, JBZ<sup>+</sup>10, Kae12, Kae13, KEC11, LPY16, MKHC17, ND11,

PSCL13, Pto13, RFHP17, RSQ<sup>+</sup>19, SRSS12, SBVB12, TGS<sup>+</sup>15, UACZ<sup>+</sup>16, VBBK16, WQF15, ZRR<sup>+</sup>19]. **Cycle** [HPA<sup>+</sup>11, Pul17]. **Cycles** [DT11]. **Cyprinid** [HW19, LMC<sup>+</sup>16, NASG12, PLCG13]. **Cyprinidae** [NBP15]. **Cyprinids** [NBP15].

**D** [UWL13]. **D-Frame** [UWL13]. **Dace** [CC10, PFWG16]. **Daily** [BR14, GHL12, HB16, HB14b, MIH15, Ryp15, SBS14]. **Dakota** [BKME17, CWB16, DWB<sup>+</sup>15, HB14a, JWC10, SDDC16]. **d'Alene** [SD11]. **Dalles** [JKSK13, KRJT13]. **Dam** [APPR14, AZE<sup>+</sup>18, BPT<sup>+</sup>19, GLH<sup>+</sup>18, HHB12, KRJT13, KLR<sup>+</sup>12, MS18, MPL<sup>+</sup>15, NMG<sup>+</sup>17, RH14, SZHC15, STSH10, SM19, SWW14, TCB18, WA14, WBB10, WDW13, FRL16, JKSK13, MH11a, MSK19a, WBZ19]. **Damage** [LLW<sup>+</sup>18]. **Dams** [CKC<sup>+</sup>12, HH11b, HMCT16, JM12a, DB13]. **Dark** [SF14]. **Darling** [HADG10]. **Darter** [DCS11]. **Darters** [RTJJ16]. **Data** [AWG<sup>+</sup>18, BRN16, BGCH17, BG12, BRWQ18, BC17, CAS16, DPS<sup>+</sup>17, DCL19, GHL12, GCA<sup>+</sup>13, GTB<sup>+</sup>19, HWNR14, LS13, MM18b, MPM10, RFW<sup>+</sup>10, RKB15, SRCC<sup>+</sup>18, VEIW<sup>+</sup>16, WHC14a, WHC14b, WWM13, ZSW11]. **Data-Analysis** [DCL19]. **Data-Limited** [SRCC<sup>+</sup>18]. **Data-Poor** [BC17, CAS16, WWM13]. **Day** [BKME17]. **Days** [Lee12, PTD10]. **Days-at-Sea** [Lee12]. **DC** [CC15, DP13, HRH10]. **Dead** [SLB10]. **Death** [SJM15]. **Decade** [MG10]. **Decades** [Kae13]. **Decision** [BBD19, Ols19, SLR<sup>+</sup>16, VMA<sup>+</sup>16]. **Decisions** [BLM<sup>+</sup>11, JM12b]. **Decline** [KMPV13]. **Declines** [DRG10]. **Decreased** [CCC16]. **Dee** [HH11a]. **Deep** [BDH<sup>+</sup>14, CMWM18, RTMJ10, SKH<sup>+</sup>16, SMS13, TS11]. **Deep-Hooking** [CMWM18]. **Deeply** [DVWS10, RLC12]. **Deepwater** [HR11b, SM14]. **Defensible** [VEIW<sup>+</sup>16]. **Defining** [CDD<sup>+</sup>11, ILBJ12]. **Deflection** [ZS16]. **Deflector** [SMW12]. **Degraded** [RGH<sup>+</sup>13]. **Delaware** [WHB<sup>+</sup>14, WBF<sup>+</sup>15]. **Delayed** [SS13a, WH11]. **Deleterious** [CCDF18, SH18]. **Delta** [BBS18, CMF<sup>+</sup>14, CSH<sup>+</sup>18, SSS15, WHG<sup>+</sup>16, BSBF13, NB10, PSB<sup>+</sup>10b]. **deltoïdes** [FWG15]. **Demand** [HGW16, MBBS10]. **Demersal** [MFRS11]. **Demographic** [MHDD16, SMK13]. **Demographics** [CPM<sup>+</sup>10, KCF15, MCSF<sup>+</sup>17, SSP<sup>+</sup>19, SPWC15]. **Demography** [DFPS10]. **Demonstration** [PW13]. **Densities** [BKP<sup>+</sup>14, DM12, WS11a]. **Density** [BW18, BG12, CA11, CF18, DLP16, FHL18, GGCF14, HFH12, HFH18, KZ12, MPL<sup>+</sup>15, PLCG13, SLK15, SFH12, SW17, SB18, SS16, TWL<sup>+</sup>17, TRB11, THZ<sup>+</sup>17, Vin14, WDD<sup>+</sup>14]. **Density-Dependent** [GGCF14, SW17, Vin14]. **Density-Independent** [GGCF14, Vin14]. **Dependence** [BW18, CA11]. **Dependent** [APP13, GGCF14, GZ13, Han19, HCL<sup>+</sup>12, KJN<sup>+</sup>17, LXM<sup>+</sup>12, PCP<sup>+</sup>19, SW17, Vin14, WHC14a, WHC14b]. **Deplete** [CWB16]. **Depleted** [OHSP17]. **Depletion** [DP13, HKMH10, PD13]. **Deployment** [AG15, TMC10]. **Deposition** [BMM<sup>+</sup>12, BGCF11, HB14b, SBS14]. **Depredation** [DCP<sup>+</sup>19]. **Depth** [JHS15a, TFP<sup>+</sup>11]. **Derby** [TSFS19]. **Derived** [BS10, KMPP12, PZC<sup>+</sup>12]. **Deriving** [PS10]. **Descending** [ES17]. **Deschutes** [ZLB10]. **Describe**

[McG14]. **Describing** [BSVB19, CJH16, WS11a]. **Description** [GGC17, KCCW19]. **Desert** [PSC15, RW11, SLMM10]. **Design** [ES17, HWB11, JJ10, MQS12, SMW12, SKS<sup>+</sup>15]. **Designed** [APD<sup>+</sup>19]. **Designs** [BOM16, BFL<sup>+</sup>10, DRG10, Kro19, MQS13a, MJCM15, SC17]. **Detect** [DRG10, DCHC13, RFKB17]. **Detecting** [FAW14, HF13, NCMT12]. **Detection** [AD13, BHW13, BE11, BSTC13, GRSF<sup>+</sup>16, HRH10, HEL<sup>+</sup>15, KCS<sup>+</sup>17, KDMH10, NSW16, NTJ<sup>+</sup>14, OHL10, SLSS16, SAYJ17, WBK<sup>+</sup>10, WBK<sup>+</sup>13, ZLB10]. **Detections** [WPS<sup>+</sup>19]. **Detector** [BDT<sup>+</sup>16]. **Detectors** [HHRB15]. **Detects** [HBS14a]. **Deter** [SWW14]. **Determinants** [BW17, SF16]. **Determination** [GSCCP18, HT11, Ise10, MAP14, THQ15]. **Determine** [DRC17, KHH13, NKC16, SLP17]. **Determined** [MS16]. **Determining** [BHHA11, BDT<sup>+</sup>16, BE11, FCE<sup>+</sup>12, PK18, WGM<sup>+</sup>11]. **Detroit** [KYD18]. **Develop** [BB19]. **Developing** [LWJS16, MB17, RBP16, ZSW11]. **Development** [Ano12b, BFLT17, CK10, DV17, ETD16, JY11, LGC11, PW13, RFW<sup>+</sup>10, RTMJ10, TFP<sup>+</sup>11, UML<sup>+</sup>11, ZC15, ZKM13, ZM17]. **Device** [ASD<sup>+</sup>18, MRC12, MGWC13]. **Devices** [GFM<sup>+</sup>18, RGC<sup>+</sup>12]. **Devils** [CFBB15, KPL12]. **Diagnose** [FDHWP16]. **Diameter** [Ano12b, JY11]. **Diamondback** [ASD<sup>+</sup>18]. **Diary** [GBL<sup>+</sup>13]. **Did** [Mat10]. **DIDSON** [PNHA12]. **Diel** [BATK16, HLS<sup>+</sup>17, JM15, MMB19, RMTW16]. **Diet** [AZE<sup>+</sup>18, CGG<sup>+</sup>18, CJH16, KIST16, PTD10, SGCB19, SKBSA11]. **Diets** [EF10, KFM12, LMD<sup>+</sup>19]. **Differ** [SHS15]. **Difference** [BMM<sup>+</sup>12]. **Differences** [DWW17, LSQ12, PHFK10, SLG<sup>+</sup>15]. **Different** [ASL<sup>+</sup>13, BLM10, CBHS16, CHPP11, DSB19, hGgXfC<sup>+</sup>13, PPFC18, RS17, SH11, See11, SWG<sup>+</sup>16]. **Differentiating** [Pto13, UWL13]. **Differentiation** [GKS13]. **Differing** [SBW<sup>+</sup>16, SCB<sup>+</sup>19]. **Digestive** [LMB<sup>+</sup>18]. **Digital** [MI10, SBB19]. **Diked** [SBTW17]. **Dimensional** [BBG19]. **Dimensions** [HSG16, LKvR<sup>+</sup>18]. **Dimorphism** [MAH<sup>+</sup>13]. **Diodes** [SWG<sup>+</sup>16]. **Dioxide** [CST<sup>+</sup>18, KAZ15, VMC<sup>+</sup>11]. **Diploid** [BTD<sup>+</sup>12, CMK<sup>+</sup>19, KSG<sup>+</sup>18, KKMS11, KM11]. **Direct** [DT11, DDD<sup>+</sup>18, GFC<sup>+</sup>15, TPBF15]. **Directed** [DHA12]. **Direction** [GBTL14]. **Directly** [CFW<sup>+</sup>10]. **Disaster** [AG11]. **Discard** [BGCH17, CZH<sup>+</sup>19, FWWTJD16, RGOR10, RPMB19, SBG<sup>+</sup>19]. **Discarded** [HR11b, MFRS11]. **Discards** [GSCCP18, SOB18]. **Discharge** [AKP15, GKT11]. **Discharges** [PK18]. **Discoveries** [AM17]. **Discovery** [BFS<sup>+</sup>19]. **Discrimination** [MGB<sup>+</sup>14, WPJ<sup>+</sup>18]. **Discussion** [HCH13]. **Disease** [CEP15, GLCD13, MEJ10, SBG<sup>+</sup>19]. **Disinfection** [SM13]. **Disk** [BKD<sup>+</sup>10]. **Dispelling** [HMD16]. **Dispersal** [BRSA15, KB10, MMS<sup>+</sup>17, ORA17, SKBSA11]. **Displacement** [BRSA15]. **Disposal** [PPR11]. **Disruption** [DHA12, SOSL10, SBL<sup>+</sup>18b]. **Dissolved** [GLCD13, KDA<sup>+</sup>18, SM14, UML<sup>+</sup>11, WLL<sup>+</sup>15, WALL17]. **Distinct** [APD<sup>+</sup>18, DWW17, LAA<sup>+</sup>18, MGB<sup>+</sup>14]. **Distinguish** [LMC<sup>+</sup>16, MPL<sup>+</sup>15, THQ15]. **Distinguishes** [DSJS16]. **Distinguishing** [GPP<sup>+</sup>10, MKHC17]. **Distribution**

[AOS<sup>+</sup>17, BPB13, BQHR17, BFL<sup>+</sup>10, BRA<sup>+</sup>18b, BE11, DCS<sup>+</sup>16, DN11, DGF11, FBD<sup>+</sup>19, HB14a, HDM15, JHS15a, JHB10, KTHM13, MNYV12, MFLS18, MCK<sup>+</sup>15, MJ11, RH14, SEB<sup>+</sup>19, SPQ12, TWL<sup>+</sup>17, UML<sup>+</sup>11].

### Distributions

[BATK16, BHW13, CMMR19, CDD<sup>+</sup>11, GAH<sup>+</sup>18, NP12, SEP<sup>+</sup>19, TBH<sup>+</sup>14].

**Disturbance** [BEH<sup>+</sup>19]. **Divergence** [GSCR11, SSK18]. **Diversion**

[HWNR14, MC10, PMP<sup>+</sup>14]. **Diversions** [GRR<sup>+</sup>17]. **Diversity** [AT18, BACRB14, CAWB17, FSS<sup>+</sup>10, HMW<sup>+</sup>10, HGK15, JF14, SOS<sup>+</sup>15, SQGK10].

**Diverts** [ZS16]. **Dividing** [SE12]. **Diving** [HHMQ15]. **DNA** [ABP<sup>+</sup>18, AES11, KIST16, PBA<sup>+</sup>17, RPC<sup>+</sup>19, SDF12, SLP17, UBR<sup>+</sup>17, WCY<sup>+</sup>18]. **Do** [Bre13, BWHM16, Can17, HBD<sup>+</sup>17, LSM<sup>+</sup>16, ORL<sup>+</sup>16, PZC<sup>+</sup>12, SBD<sup>+</sup>11, SKBB15, SHS15, WBG<sup>+</sup>17, WP11]. **Does**

[Bal15, CEP15, DLC11, GHK19, HW10, PA16, Pul17]. **Dogfish** [BR14].

**Dolly** [SS13b, SMCS14]. **Dolphinfish** [MHBR19, RPMB19]. **Dominated** [HTH<sup>+</sup>19, SEP<sup>+</sup>19]. **Donax** [FWG15]. **Dorsal**

[BKM19, IWB10, WKTQ15, WI17, WD10]. **Double** [MSK<sup>+</sup>16, SCMP13].

**Double-Crested** [MSK<sup>+</sup>16, SCMP13]. **Downriver** [DG12]. **Downstream** [AZE<sup>+</sup>18, DBE11, KRJT13, MAP14, NMG<sup>+</sup>17, SEM14]. **Dozer** [HPD<sup>+</sup>19].

**Drainage** [ETD16, HB10, NCJ<sup>+</sup>11, NEC<sup>+</sup>13, TGS<sup>+</sup>15]. **Drawdowns** [NTJ15]. **Dredge** [PPR11, SHM<sup>+</sup>10, SMW12]. **Dredging** [ADMC10]. **Drift** [HHMQ15]. **Drifting** [BFL<sup>+</sup>10]. **Driftless** [HM17, HDM15]. **Drive**

[BBO16, HBD<sup>+</sup>17]. **Driven** [KMPV13]. **Drivers** [AOS<sup>+</sup>17]. **Drought**

[JWC10]. **Drum** [DSB19, DBJD12, LSMD15, WFWSV14]. **Dual**

[HHMQ15, HB12, HH15, MLEK15, PNHA12]. **Dual-Frequency**

[HHMQ15, HH15, MLEK15, PNHA12]. **Dual-Grid** [HB12]. **Dude**

[WPS<sup>+</sup>19]. **Due** [AHVJ11, Bea17, Dag17, SL14, DK16]. **Dungeness**

[AHVJ11, MBM13, SCW<sup>+</sup>17]. **Duplex** [BRB<sup>+</sup>17, BSTC13, SLSS16].

**Duration** [MQS13a, SM10]. **During** [Bal15, HHR<sup>+</sup>18, RSQ<sup>+</sup>19, SHS15, BPB13, BKSH<sup>+</sup>12, BBL<sup>+</sup>11, BKP<sup>+</sup>14, CMD12, CHW12, DBW13, DSD<sup>+</sup>13, FRL16, FCH<sup>+</sup>13, GDP14, HFN11, HPA<sup>+</sup>11, ISC10, Ise10, JM15, KLR<sup>+</sup>12, LM16a, MSD11, RHG12, RHG13, SM14, TSFS19, WBF<sup>+</sup>15]. **Duty** [DT11]. **Dwelling** [ETD16, JSDJ16, KSH<sup>+</sup>16, MHG<sup>+</sup>11, MB17, PFRM12, SMS13].

**Dynamic** [AJ13, Ask16, DBS19, SBL<sup>+</sup>18a, SCS17b, SFH12]. **Dynamics**

[APP13, BGD<sup>+</sup>19, BBL<sup>+</sup>11, DS12, GBL15, HSHH17, HHH14, MD10, MSBP10, NFQ16, OHSP17, RHG12, RHG13, SPM15, SCMP13, SRFS15, SEP11, SCB<sup>+</sup>19, WDD<sup>+</sup>14, ZDC14].

**Eagle** [Bri17, CCMA<sup>+</sup>10]. **Early**

[BWR12, BKP<sup>+</sup>14, CSED10, DDD<sup>+</sup>18, DSD<sup>+</sup>13, PTD10, SLG<sup>+</sup>15].

**Early-Cohort** [PTD10]. **Earning** [WBT17]. **Earthen** [BK16]. **East**

[BSO<sup>+</sup>16, Kra18, NEC<sup>+</sup>13, ZEM11]. **Eastern**

[BKME17, GBL15, KSMN18, KTN14, LBF17, PKKR10, PDL<sup>+</sup>18, SGF<sup>+</sup>13, Sta12, SC14, SKS<sup>+</sup>15, WEC<sup>+</sup>19]. **EBFM** [JDH16]. **Ecological**

[CDD<sup>+</sup>11, DKSW15, JM12b, KPL12, SMK13]. **Ecology**

[BWR12, SEB<sup>+</sup>19, SKS<sup>+</sup>15, WQF15]. **Economic** [ASS17, BRN16, BM14, CL12, HHS<sup>+</sup>13, ILBJ12, KHDA14, LS17, LS10, LL12, LN12b, LHS<sup>+</sup>14, OMT<sup>+</sup>15, SMW16, SL17a, SCA11, SBG<sup>+</sup>19, TPB<sup>+</sup>16, WHGC16]. **Ecopath** [McG14]. **Ecosystem** [ESL<sup>+</sup>15, HMS11, JDH16, McG14, WHMS14].

**Ecosystem-Based** [JDH16, WHMS14]. **Ecosystems** [CDBW17, DCL19, FQ19, GFC<sup>+</sup>15, KFM12]. **Ecotype** [LR12]. **eDNA** [MFLS18]. **Education** [CH17]. **Eel** [DA12, PT11, SGCB19, SEM14, TCB18]. **Eels** [CVD<sup>+</sup>14, WA14]. **Effect** [AS10, BJZ11, DDEW18, DR10, FHE<sup>+</sup>12, GF18, HFCH15, KWMB11, KDA<sup>+</sup>18, MQS12, MP14, PZC<sup>+</sup>12, SRSS12, SPS16, TCB18, THZ<sup>+</sup>17, WLK<sup>+</sup>16, WQF15]. **Effective** [GSCR11, SGC13, WBG<sup>+</sup>17, WMSV18]. **Effectiveness** [APD<sup>+</sup>19, AHS15, ACMB<sup>+</sup>14, BOM16, BWB18, CBDW15, DBW13, DRW<sup>+</sup>18, ES17, FHH16, HDKB10, HR11b, HFRH17, JHS15b, KCRR19, LCC<sup>+</sup>15, MC10, Mea12, ORC<sup>+</sup>16, PMP<sup>+</sup>14, PQB10, RB15, RÅW18, RM12, Sam19, SPQ12, SPW<sup>+</sup>12, TKH<sup>+</sup>16, ZC12]. **Effects** [ADMC10, ADD14, AJR<sup>+</sup>19, AKP15, Bea17, BDH<sup>+</sup>14, BW18, BKSH<sup>+</sup>12, BS10, BSO<sup>+</sup>16, BDC<sup>+</sup>13, BGHL10, BRA18a, BHR<sup>+</sup>15, CJA<sup>+</sup>13, CF18, CCDF18, CHW12, DK16, Dag17, DDAS14, DBKG14, DVWS10, DP13, DLSW12, DMC<sup>+</sup>19, EPM16, FH16, FSS<sup>+</sup>10, FQ19, GM12, GLCD13, GKMC15, GRSF<sup>+</sup>16, GRCR10, GMG16b, HMW<sup>+</sup>10, HWNR14, HB16, HBLL12, HRH10, HHSB13, JHS15a, JSDJ16, KAZ15, LJR11, LXM<sup>+</sup>12, MSFS12, MAM<sup>+</sup>12, MCB<sup>+</sup>19, MW19, MCTM14, NTJ15, Nak13, NKC<sup>+</sup>18, NKL18, NBP15, NASG12, OL17, PNWC11, PCP<sup>+</sup>13, PKKR10, RGC<sup>+</sup>12, RSLG10, Rey15, RFLP14, RZ10, RD10, RIMR19, RSQH18, RSQ<sup>+</sup>19, Ryp15, Sam19, SPP<sup>+</sup>18, SMH17, SBDB16, SBVB12, SSE19, SL15a, SB18, SOBW10, SQS<sup>+</sup>17, SCG11a, SSP18, SSPP19, SS16, SL15b, SLS16, SEM14, SCG11b, TFP<sup>+</sup>11, TRB11, TPF<sup>+</sup>13, WF17, WGJ10, WMMB19, ZW12]. **Efficacy** [BRB<sup>+</sup>17, BDS<sup>+</sup>11, BRWQ18, FGS13, HHRB15, MMP12, SAYJ17, SK18b, SAF16]. **Efficiencies** [HMP10, PDM12]. **Efficiency** [BBW18, Blo13, BS10, BSTC13, FK16, GRR<sup>+</sup>17, GH17, HNH11, KCS<sup>+</sup>17, PSC15, PP10, SLSS16, SCW<sup>+</sup>17, UBR<sup>+</sup>17, WBGM13, WBF13, YS12]. **Effort** [AJ13, AWG<sup>+</sup>18, FWR<sup>+</sup>15b, KHBH19, LJR11, MQJK19, MQS13a, MSBP10, NKC16, PA16, RPJ18, RMTW16, SCS17a, SFH12, SLR10, SLP13, TSFS19, WHC14a, WHC14b]. **Egg** [BGC11, CF13, FDM<sup>+</sup>13, LBF17, PPFC18, SEM14, WBGM13, WBF13]. **Egg-Per-Recruit** [SEM14]. **Egg-to-Larvae** [LBF17]. **Eggs** [BWB18, CSWP19, KKSH12, LMC<sup>+</sup>16, PCP<sup>+</sup>13, RSLG10, RRH<sup>+</sup>11]. **Eight** [HR11a]. **Elastomer** [LN12a, MM16, YHP10, ZC10]. **Electric** [GFC<sup>+</sup>15, HKMH10, WBG<sup>+</sup>17]. **Electrical** [FMA<sup>+</sup>12, JTB16, NASG12]. **Electricity** [FVH<sup>+</sup>17]. **Electrified** [HPD<sup>+</sup>19]. **Electroanesthesia** [VMC<sup>+</sup>11]. **Electrode** [BGM17, MK13]. **Electrofishers** [DT11, DTS19, MK13]. **Electrofishing** [BS12, BHN11, BFN16, BKME17, BS10, BGBG17, BDB<sup>+</sup>19, BHG<sup>+</sup>13, CC10, CC15, DP13, DCHC13, FK16, FMP19, HPD<sup>+</sup>19, HMP10, HBDA13, JJ10,

KDMH10, MQJK19, MK13, Mea12, MH11b, MB17, NQ11, PD13, PP10, Rey15, RMTW16, SFW11, SLK15, SHL16, SNTZ14, SOBW10, SBL11, SLP13, SL15b, TKH<sup>+</sup>16, THZ<sup>+</sup>17, YS12]. **Electrofishing-Derived** [BS10]. **Electronarcosis** [Bal15, HJK11, KAZ15]. **Electronic** [FVH<sup>+</sup>17, SB15]. **Electroshock** [Bea17, DK16, Dag17, Rey15, SL14, SL15b]. **Electroshocked** [HRH10, SPS16]. **Electroshocking** [AM17]. **Electrotrawling** [SVD<sup>+</sup>18]. **Elements** [ASP<sup>+</sup>17]. **Elevated** [BGHL10, KLR<sup>+</sup>12]. **Elevation** [BPB13, BHR<sup>+</sup>15, JM12a]. **Elimination** [HIS16]. **Elk** [SHK<sup>+</sup>17]. **elongatus** [NEH10]. **Elwha** [BPT<sup>+</sup>19, MPL<sup>+</sup>15]. **Embryo** [NASG12]. **Embryos** [ASL<sup>+</sup>13, ASL<sup>+</sup>16, BGM17, CDQG12, GFC<sup>+</sup>15, SPS16, TGKZ19]. **Emergent** [RWCP11]. **Emerging** [JDG10, TDM19]. **Emigration** [HHP<sup>+</sup>12b, TRB11]. **Emitting** [SWG<sup>+</sup>16]. **Empirical** [BCD<sup>+</sup>10, GPLT12, GFP<sup>+</sup>12, HWNR14, LS10, RHMH15, XM14, JHS15b]. **Enclosed** [RJP<sup>+</sup>15]. **Endangered** [BWT<sup>+</sup>13, BBC<sup>+</sup>13, CMMR19, GBL15, GKT11, HPA<sup>+</sup>11, PDD<sup>+</sup>18, WBH13, WHG<sup>+</sup>16]. **Endemic** [GPLT12]. **Endoscopic** [TGKI10]. **Energy** [SPT<sup>+</sup>12]. **England** [AG11, TDM19]. **Enhance** [APPR14, HW10, MC10]. **Enhancement** [ADD14, BFLT17, CEH<sup>+</sup>15, CKBP19, LBF17, Ols19]. **Enhances** [RCP<sup>+</sup>13]. **Enlightened** [EF10]. **Enough** [KSM16]. **Enriched** [WGM<sup>+</sup>11]. **Entering** [DMRJ10]. **Entosphenus** [DSJS16]. **Entrained** [DMRJ10]. **Entrainment** [FRL16, MHR<sup>+</sup>18]. **Entrapment** [CBDW15]. **Entry** [ASD<sup>+</sup>18]. **Enumerate** [CKC<sup>+</sup>12]. **Environment** [HGK15, NCJ<sup>+</sup>11, Ols19, OOWW12, UWL13]. **Environment-Related** [UWL13]. **Environmental** [ABP<sup>+</sup>18, AOS<sup>+</sup>17, BW18, GRSF<sup>+</sup>16, MOJ12, PBA<sup>+</sup>17, PFD17, RPC<sup>+</sup>19, SBVB12, SLP17, UBR<sup>+</sup>17, WCY<sup>+</sup>18]. **Environments** [HQ10]. **Enzyme** [MEJ10]. **Enzyme-Linked** [MEJ10]. **Epinephelus** [SNT<sup>+</sup>16]. **Epoxies** [IH11]. **Equal** [SCPC14]. **Equation** [BBC10, BBC11, BBS19, GPLT12, GFP<sup>+</sup>12]. **Equations** [CK10, Ger11, RFW<sup>+</sup>10, RFW<sup>+</sup>11, RV12]. **Equilibrium** [CBS13, SFH12]. **Equivocal** [ES17]. **Eradicate** [GFC<sup>+</sup>15, KMK<sup>+</sup>15]. **Eradicating** [SMH17]. **Eradication** [BHG<sup>+</sup>13, KKM16, PT15, RB15, SNTZ14]. **Erie** [BSB<sup>+</sup>15, LJR11, MKWM18, RMTW16, SBTW17, SSK18, VKBL11, VBT<sup>+</sup>12, WEC<sup>+</sup>19, ZEM11, ZKM13]. **Erosion** [MB12]. **Errata** [Ano10a]. **Erratum** [Ano10b, Ano12b, Ano14a, Ano14b, Ano14c, Ano16a, Ano17b, BBC11, HFH18, MFRS11, Ano12a, Ano17a, Ano18a, Ano19a]. **Error** [AMQSK15, APF18, HSM<sup>+</sup>18, KBK13a]. **Errors** [WPS<sup>+</sup>19]. **Escambia** [WHKB17]. **Escanaba** [EDN10, HIS16, HFN11, SSE19]. **Escape** [DR10, RJMG13, SCW<sup>+</sup>17]. **Escapement** [CKC<sup>+</sup>12, FWT14, MPM10, PNHA12, SBW<sup>+</sup>16, VEIW<sup>+</sup>16, WFS13, WDW13]. **Escapes** [SWW14]. **Establishing** [GSCCP18, MP14]. **Estimate** [BRN16, BS12, BRWQ18, CZH<sup>+</sup>19, FC17, HWB11, HSM<sup>+</sup>18, HH15, LKV<sup>+</sup>17, LSLC15, MG14, MFLS18, McC16, McC17, MEL<sup>+</sup>12, MS14, MWS15, OHL10, POWF11, PVH<sup>+</sup>13, SC17, SLK15, SHK<sup>+</sup>17, SHL16, TP17, VKH<sup>+</sup>19, WKP14, WHV15, WD10]. **Estimated** [OMT<sup>+</sup>15]. **Estimates**

[AWG<sup>+</sup>18, BGCF11, BGCH17, BM14, BGW<sup>+</sup>11, BB12, BMW<sup>+</sup>19, CBS<sup>+</sup>12, CKC<sup>+</sup>12, CCDF18, CPM<sup>+</sup>10, DIK19, Der14, FWWTJD16, GF18, HT11, KMPP12, MQS12, MM18a, MH11b, MB17, PZC<sup>+</sup>12, Ran18, SL12, TP17, WWB<sup>+</sup>17, WKTQ15, WGS16, WEC<sup>+</sup>19]. **Estimating** [BGCS11, BCZ<sup>+</sup>18, BKM16, BKM19, BSO<sup>+</sup>16, BSS18, Bou10, BSM<sup>+</sup>15, DPS<sup>+</sup>17, DLC11, FAW14, GRSF<sup>+</sup>16, HKMH10, HDKB10, HV18, HHMQ15, IWB10, KADH15, KSM16, MBBS10, MKRH14, MQS13a, MJCM15, McC15, MLEK15, MPM10, OI17, PSB<sup>+</sup>10b, PSC15, PNHA12, PA16, PPO18, RPBM10, RPMB19, RHMH15, SCS17a, SL17a, STSH10, SBL11, SPL18, VEW<sup>+</sup>13, WH12, WFS13, WI17, XM14, ZM17, ZWH<sup>+</sup>15]. **Estimation** [AD13, BC18, BGP10, FHL18, hGgXfc<sup>+</sup>13, HD14, HSC<sup>+</sup>16, HCL<sup>+</sup>12, HUB<sup>+</sup>18, KNS18, KDMH10, MFLS18, MQS12, MR16, MM17, MM18a, PP10, SFW11, SLR10, SJM15, SBB19, TCM19, VBT<sup>+</sup>12, WSA18, WBK<sup>+</sup>10, WBK<sup>+</sup>13, YC11]. **Estimators** [AWG<sup>+</sup>18, CWH<sup>+</sup>14, MS16, SLB10]. **Estuaries** [FTSF13, TMC10]. **Estuarine** [Ols19, SCS17b]. **Estuary** [GH17, JPWR10, NEH10, ADMC10, DBJD12, FWWTJD16, SSS15, TBH<sup>+</sup>14]. **Eulachon** [HO13]. **European** [DA12, McG14, SVD<sup>+</sup>18]. **Evacuation** [TGA15]. **Evaluate** [ERC<sup>+</sup>11, FDM<sup>+</sup>13, HSG16, PRR<sup>+</sup>13, RFKB17, STP19, SEM14, WHMS14]. **Evaluating** [BOM16, BBW18, BE11, BWB18, BSG10, CvPW15, CA14, CWH<sup>+</sup>14, CSH<sup>+</sup>17, Der14, DLP16, FBM<sup>+</sup>19, GCA<sup>+</sup>13, GTB<sup>+</sup>19, HB11, KMK<sup>+</sup>15, MMHM17, PMP<sup>+</sup>14, SKBK12, SDF12, SK18b, TFH<sup>+</sup>16, TCB18, WFS13, FBL<sup>+</sup>19]. **Evaluation** [ADMC10, ABC<sup>+</sup>15, BSL18, BP14, BGD<sup>+</sup>19, BKM19, BF13, BP15, BT16, BHC<sup>+</sup>10, BC17, BTD<sup>+</sup>12, CWB16, CMF<sup>+</sup>14, CJ14, CKBP19, CMD12, DKWG14, DMC<sup>+</sup>19, EKM10, FMP19, FWT14, GZ13, HP14, HWDA12, HO13, HRKB19, HH10, HWNR14, HW19, HS12, HWWT15, HADG10, HPTH18, IH11, KNC14, KYD18, LKB19, LOS<sup>+</sup>11, LCC<sup>+</sup>15, LP12, LSCL15, LSK<sup>+</sup>14, MKRH14, MJCM15, McC15, McC17, MASN16, MIH15, NBFL17, NFQ16, ORC<sup>+</sup>16, PSC15, PT11, RS17, SFW11, SBW<sup>+</sup>17a, SP13, Sin18, SSP<sup>+</sup>19, TGKZ19, TGKI10, TSNH10, VMC<sup>+</sup>11, VKBL11, WS11a, WBP13, WRNJ<sup>+</sup>19, WSS13, WMSH13, WPY<sup>+</sup>15, WSA18, WWM13, WDW13, YHP10, ZC10]. **Evaluations** [MRC12, Pie10, SRCC<sup>+</sup>18]. **Everglades** [SK18a]. **Evidence** [APD<sup>+</sup>18, BSB<sup>+</sup>15, CCC16, EWS<sup>+</sup>17, HHT<sup>+</sup>13, JBZ<sup>+</sup>10, LKM<sup>+</sup>17, LAA<sup>+</sup>18, PRM15, SB11, TPBF15, WFWSV14]. **Evolution** [SMW12]. **Evolutionarily** [EF10]. **Examination** [CHL13, CS17, SHL16]. **Examining** [Lee12, MHBR19, SDKS16]. **Example** [BGCH17, FC17, KADH15, MGB<sup>+</sup>14, SC17, SHSCA16, SK18b]. **Exceeding** [SKBB15]. **Excision** [WSA18]. **Exclosures** [DFMP18]. **Excluder** [RGC<sup>+</sup>12, SHM<sup>+</sup>10]. **Exclusion** [ASD<sup>+</sup>18]. **Exclusive** [KHDA14]. **Exhibits** [KSL<sup>+</sup>19]. **Existing** [DSJS16, GTB<sup>+</sup>19]. **Expanding** [SPW<sup>+</sup>12]. **Expansion** [LN12c, NTJ15]. **Expenditures** [LM16b]. **Experience** [DDEW18, HCL<sup>+</sup>12]. **Experienced** [BEH<sup>+</sup>19]. **Experiences** [MSHC15]. **Experiment** [CVD<sup>+</sup>14, NKC<sup>+</sup>18, PT11, SLG<sup>+</sup>15, ZM17]. **Experimental**

[BTD<sup>+</sup>12, CHJ<sup>+</sup>16, CMD12, CHL13, GDP14, GZ13, MJH17, Rey15, SL15b, TRB11, THQ15, VKBL11]. **Experimentally** [MGWC13, MSK19b]. **Expert** [MAM<sup>+</sup>12, MSHC15]. **Explicit** [CBC<sup>+</sup>16]. **Exploitation** [BSO<sup>+</sup>16, BSS18, CI10, CAS16, HAS<sup>+</sup>19, MM18a, MDM12, MS14, MASN16, SC17, Sam16, WHB11]. **Exploited** [DZ14, DZ17, FJB16, HVW<sup>+</sup>17, SPM15]. **Exploratory** [ACRBB10]. **Explore** [SLS16]. **Exploring** [CA11, FHH16, LKvR<sup>+</sup>18, SLP17]. **Exports** [NB10]. **Exposed** [ABČ<sup>+</sup>15, CBS<sup>+</sup>12, GLH<sup>+</sup>18, LMS<sup>+</sup>18, SBL<sup>+</sup>18b]. **Exposure** [CMWM18, GMG16b, LM16a, RHC<sup>+</sup>14, RSQH18, RSQ<sup>+</sup>19, WWS<sup>+</sup>14, WMMB19]. **Exposures** [NASG12]. **Extended** [TSFS19]. **Extension** [CBS13]. **External** [BF13, DRC17, HKP<sup>+</sup>14, SNT<sup>+</sup>16].

**Facilities** [CBS<sup>+</sup>12]. **Facility** [MHR<sup>+</sup>18]. **Factors** [BW18, DDAS14, EDN10, FQ19, KSV<sup>+</sup>10, KPL<sup>+</sup>16, KBH<sup>+</sup>19, KW13, LFD<sup>+</sup>17, LSK<sup>+</sup>14, OHL10, PFD17, RFQ14, RHG13, SS11a, SVFG10, SPT<sup>+</sup>12, SNTZ14]. **Fail** [MCS<sup>+</sup>17]. **Failed** [SRFS15]. **Fails** [RGOR10]. **Failure** [AG11, WP11]. **Failures** [SMW16]. **Fall** [ABBG13, BBS18, CJ14, CCC16, JKN<sup>+</sup>10, PFD17, RCP<sup>+</sup>13]. **Fall-Run** [BBS18, PFD17]. **Fallacy** [Ger10]. **Fallback** [RS18]. **Fallfish** [JNC<sup>+</sup>16]. **Falls** [BBO16]. **False** [HSC<sup>+</sup>16]. **Family** [NBP15]. **Farmers** [MRC12]. **Fat** [CVD<sup>+</sup>14]. **Fatty** [PHFK10]. **FCRPS** [SWH<sup>+</sup>16]. **Feasibility** [DGS<sup>+</sup>11, GMG<sup>+</sup>16a, McC15, WHG<sup>+</sup>16]. **Features** [DRC17]. **Fecundity** [BMM<sup>+</sup>12, BCZ17, SLMM10, SBB19]. **Federal** [PA16, SMW16, SEP<sup>+</sup>14, SWH<sup>+</sup>16, TSFS19]. **Federally** [MAM<sup>+</sup>12]. **Feeding** [BR14, DVWS10, FMA<sup>+</sup>12, KFM12, MCTM14, SEB<sup>+</sup>19, SOBW10, SQS<sup>+</sup>17, WWD13]. **fellowesii** [GPLT12]. **Female** [BMM<sup>+</sup>12, BR14, BEK<sup>+</sup>18, LS11, TO10]. **Ferry** [AKP15, BRN16]. **Fetch** [SCKZ17]. **Fidelity** [HR11a, JHK11]. **Field** [AM17, BKSH<sup>+</sup>12, BWB18, DMC<sup>+</sup>19, DRC17, DG12, GBTL14, HKP<sup>+</sup>14, MJ11, MRC12, MKHC17, NKC<sup>+</sup>18, NASG12, PVST11, WDW13]. **Field-Based** [DRC17, MRC12, MKHC17]. **Fields** [GFC<sup>+</sup>15, HKMH10]. **Fight** [CMWM18, WMMB19]. **Fillet** [LRHR17]. **Filling** [WHC14a, WHC14b]. **Fin** [CHW12, HTPS10, HUB<sup>+</sup>18, MB12, RPHPH14, SH18]. **Fine** [BSVB19, MAP14, SCS17b]. **Fine-Scale** [BSVB19, MAP14, SCS17b]. **Finespotted** [HGK15]. **Fingerling** [LSK<sup>+</sup>14, PTD10, TPL18, ZC10]. **Fingerlings** [LC14, RS17]. **Fire** [CJA<sup>+</sup>13]. **First** [BC14, BSS<sup>+</sup>17, CVD<sup>+</sup>14, KFW12]. **Fish** [ABČ<sup>+</sup>15, AHAC15, APP13, AJ13, BRB<sup>+</sup>17, BPQ13, BOM16, BBB<sup>+</sup>14, BKD<sup>+</sup>10, BP14, BK12, BSBC14, BGW<sup>+</sup>11, BG13, CEH<sup>+</sup>15, CL12, CMMR19, CMC<sup>+</sup>19, CC15, CKCF12, DDAS14, DBKG14, DWW12, DZ17, Der14, DCL19, DHK<sup>+</sup>19, DGS<sup>+</sup>11, DV17, ESL<sup>+</sup>15, FK16, FAW14, FJB16, FQ19, FMA<sup>+</sup>12, GMG<sup>+</sup>16a, GPLT12, GAH<sup>+</sup>18, GHK19, GTB<sup>+</sup>19, HWNR14, HMCT16, HMP10, HVW<sup>+</sup>17, HEL<sup>+</sup>15, HJK11, HADG10, HBD<sup>+</sup>17, HHB12, JJ10, JM12b, KMB<sup>+</sup>12, KSM16, LJR11, LCR19, MSFS12, MS16, MJCM15,

McC16, Mea12, MSS<sup>+</sup>12, MRC12, MGWC13, MEL<sup>+</sup>12, MOJ12, MKWM18, MCTM14, NQ11, NKC16, OHL10, ORC<sup>+</sup>16, OH15, OOWW12, PMP<sup>+</sup>14, PBA<sup>+</sup>17, PKKR10, PC12, PLUH19, PQB10, PP11, PRRD15, Pul17, Rey15, RFKB17, RD10, RGOR10, RM12, RCP<sup>+</sup>13, SFW11, SBD<sup>+</sup>11, SSK19, SLSS16, SCMP13, SFH<sup>+</sup>13, SVPD13, SHL16, SPQ12, SQP12]. **Fish** [SCG11a, SBW<sup>+</sup>17b, SS17, SMW12, SHMJ19a, SE12, SBTW17, SL15b, SEP<sup>+</sup>19, TRB11, TKH<sup>+</sup>16, UML<sup>+</sup>11, WKS<sup>+</sup>10, WBG<sup>+</sup>17, WMSV18, WPS<sup>+</sup>19, WKP14, XM14, ZSW11]. **Fished** [RH16]. **Fisher** [TDM19, RJC11]. **Fisheries** [APF18, Ano16b, Ano19h, APP13, Ask16, BCBW18, BATK16, BSS<sup>+</sup>14, BW17, CvPW15, Can17, CJ14, CMWM18, CBC<sup>+</sup>16, CHBY13, CGL18, CH17, DC13, DCP<sup>+</sup>19, EF10, FF15, FH16, FC17, FHH16, FWR<sup>+</sup>15a, GS CCP18, HP14, HSHH17, HPTH18, HHS<sup>+</sup>13, HMD16, ISC10, JBHM19, LKV R<sup>+</sup>18, LTG<sup>+</sup>11, LRHR17, MBBS10, MCP15, MQS12, MQS13a, MQS13b, McC16, MM18a, MDM12, MS14, MS17b, MSE<sup>+</sup>18, MG10, Ols19, PM14, PBA<sup>+</sup>17, PLUH19, PG14, RGOR10, SRCC<sup>+</sup>18, SBL<sup>+</sup>18a, SCW13, SCA11, SLS16, SC14, THI<sup>+</sup>19, UBR<sup>+</sup>17, UML<sup>+</sup>11, VMA<sup>+</sup>16, WHB<sup>+</sup>14, WLK<sup>+</sup>16, WWM13, YC11]. **Fishers** [Aka10, CGL18, SPW<sup>+</sup>12]. **Fishery** [ASS17, AS10, AJ13, BFP12, BDH<sup>+</sup>14, BM14, BC18, BSB<sup>+</sup>15, BLM10, CZH<sup>+</sup>19, CJ14, DS12, DHA12, DMC<sup>+</sup>19, DKSW15, FWG15, FBM<sup>+</sup>19, FBC<sup>+</sup>10, GMG16b, GFM<sup>+</sup>18, HIS16, HBS<sup>+</sup>19, HMBT16, HWB11, HSG16, HF13, HMS11, HVW<sup>+</sup>17, HCH13, HWWT15, JDH16, LFD<sup>+</sup>17, LS17, LBB16, LAM16, LHS<sup>+</sup>14, LN12c, LBL11, MG14, MBM13, McB14, MP14, MFRS11, MCH12, MBPG12, MMHM17, NEH10, PA16, PDL<sup>+</sup>18, RGC<sup>+</sup>12, RR17, RGOR10, RPJ18, RPMB19, SOB18, SCS17a, SCS17b, SPM15, SMW16, SOS<sup>+</sup>15, SS11b, SMW12, SBG<sup>+</sup>19, SF16, TDM19, TEB<sup>+</sup>19, VPV18, WHC14a, WHC14b, WQP13, WAW<sup>+</sup>19, WHGC16, WMMB19, ZC12, ZC15, ZKM13]. **Fishery-Dependent** [WHC14a, WHC14b]. **Fishery-Independent** [FWG15]. **Fishery-Related** [WMMB19]. **Fishery-Scale** [CZH<sup>+</sup>19]. **Fishes** [ADMC10, APD16, AJ10, AD13, BWT<sup>+</sup>13, BWB18, CK10, DS12, DP13, DR19, EJL10, FDHWP16, GBL<sup>+</sup>13, GRSF<sup>+</sup>16, HGW16, HH15, KCS<sup>+</sup>17, LDW10, LCR19, MKK<sup>+</sup>12, PD13, PDD<sup>+</sup>18, PP10, RH14, RCGF18, RWT17, SK18a, SBW<sup>+</sup>16, WBH13, WBK<sup>+</sup>10, WBK<sup>+</sup>13, WBT17]. **Fishing** [APD16, Aka10, BSO<sup>+</sup>16, DHH17, DZ14, DZ17, FWR<sup>+</sup>15b, GGCF14, HFN11, HBD<sup>+</sup>17, HHSB13, KHBH19, KADH15, LMS<sup>+</sup>18, LMB<sup>+</sup>18, LS17, LL12, MBM13, MP14, ML13, MSBP10, SPP<sup>+</sup>18, SCS17b, SF14, SM10, SMS13, SF16, TSFS19, Vin14, WHGC16]. **Fishway** [APD<sup>+</sup>19, AR12, BJ19, HFRH17, WBZ19]. **Fishways** [BWHM16, KDP<sup>+</sup>10, MJCM15, NTJ<sup>+</sup>14]. **Fishy** [WMB<sup>+</sup>15]. **Fitness** [RSQ<sup>+</sup>19]. **Five** [ASL<sup>+</sup>16, MS16, UMC14]. **Fixed** [BSTC13, LCC<sup>+</sup>15, PCP<sup>+</sup>13]. **Fixed-Station** [LCC<sup>+</sup>15]. **Flannelmouth** [HUST17]. **Flat** [MRC12]. **Flat-Plate** [MRC12]. **Flathead** [BSO<sup>+</sup>16, HB16, HGW16, MCSF<sup>+</sup>17, SEB<sup>+</sup>19, Sin18]. **Flats** [LFD<sup>+</sup>17]. **Fleet** [MSBP10]. **Flies** [Blo13]. **Flint** [GKS13, ITY13, Sam16]. **Floating**

[FAW14]. **Flood** [FRL16]. **Floodplain** [CDBW17, CHJ<sup>+</sup>16, EJL10]. **Florida** [FWWTJD16, BSBC14, CGL18, HBS<sup>+</sup>19, HH12, HRKB19, HL15, KADH15, MASN16, MG10, PTD10, SGCB19, SK18a, SQS<sup>+</sup>17, TPB<sup>+</sup>16, TPL18, WHKB17, WFWSV14]. **Flounder** [AS10, AK12, FTSF13, HF13, MBPG12, MMHM17, SOB18, SCS17b, SS11b].

**Flow** [ABČ<sup>+</sup>15, GDP14, HGW10, LTG<sup>+</sup>11, MMP12, Nak13, RBP16, SCB<sup>+</sup>19].

**Flowing** [SPWC15]. **Fluctuating** [HB14b, PCP<sup>+</sup>13]. **Fluctuations** [LSM<sup>+</sup>16, SC14]. **Flume** [PRR<sup>+</sup>13]. **Fluorescent** [SDF12]. **Fluvial** [DZS10, DCS<sup>+</sup>16, TWL<sup>+</sup>17]. **Following** [BPT<sup>+</sup>19, GBFR18, JCB<sup>+</sup>18, KKM16, MMS<sup>+</sup>17, PDD<sup>+</sup>18, PB13, TLL<sup>+</sup>18, WRNJ<sup>+</sup>19, BRSB<sup>+</sup>16, CFWC11, LBF17, MHAP13, RH14, SDF12, WWD13].

**Food** [HTH<sup>+</sup>19, MSK19b, SPT<sup>+</sup>12, SOSL10]. **Foothills** [MSFS12]. **Forage** [SSPP19, WBT17]. **Foraging** [RCMB18, SL15a, SSP18, SS16]. **Forced** [CFWC11]. **Forecast** [HP14]. **Forecasting** [FF15]. **Forestlands** [MS17a].

**Forests** [CSWP19, JBHM19]. **Forestwide** [DRG10]. **Fork** [DB13, DCS<sup>+</sup>16, JF13, MNYV12, NEC<sup>+</sup>13, PSCS11, SD11]. **Formalin** [GF18, SCG11b]. **Format** [MLHS13]. **Formation** [BC14, BK12, LO18, RFLP14, RPH14, WS16]. **Forms** [JBZ<sup>+</sup>10, VMC<sup>+</sup>11].

**Formulations** [RB15]. **Four** [ASD<sup>+</sup>18, DVWS10, DWW12, KBH<sup>+</sup>19, Kro19, MK13, OLM15, PLCG13, PN19, SNTZ14, SBW<sup>+</sup>17b, SPL18, SEP<sup>+</sup>19].

**Fraction** [BGCS11, DZ17]. **Fractions** [DZ14]. **Fragmented** [HNPB15].

**Frame** [UWL13]. **Framework** [BGP10, DGS<sup>+</sup>11, GMG<sup>+</sup>16a, NCSR17, SRCC<sup>+</sup>18]. **Francisco** [ERC<sup>+</sup>11].

**Fraser** [CHPP11]. **Free** [FC17, SPWC15]. **Free-Flowing** [SPWC15]. **Freeze** [NLK17]. **Frequency** [AWG<sup>+</sup>18, BHW13, DS12, FAW14, HHMQ15, HH15, KD10, LBB16, MLEK15, PD13, PNHA12, RFKB17]. **Frequent** [BWT<sup>+</sup>13].

**Freshwater** [AT18, BS11a, DSB19, FRH10, FCH<sup>+</sup>13, GPLT12, GFC<sup>+</sup>15, KADH15, MS16, RCGF18, SK18a, See11, TBH<sup>+</sup>14]. **Friendly** [ZSW11].

**Frogs** [BKSH<sup>+</sup>12]. **Fry** [CMK<sup>+</sup>19, GLCD13, HQ10, HLS<sup>+</sup>17, MPL<sup>+</sup>15, SKBSA11]. **Function** [NB10, OI17]. **Functions** [BRWQ18]. **Fundy** [WHB<sup>+</sup>14]. **Funnel** [BGCF11].

**Future** [AHS15, ALCD17, CB10, DBK11, HW12, LSC<sup>+</sup>16, MD10, TSFS19, TSNH10, ZRR<sup>+</sup>19]. **Fuzzy** [MSHC15]. **Fyke** [BSBC14, CBDW15, GHL12, Kro19, SBW<sup>+</sup>16, SS17]. **Fyke-Net** [GHL12, Kro19].

**Gags** [SKS<sup>+</sup>15]. **Galvanized** [PDM12]. **Game** [DR19, ESL<sup>+</sup>15]. **Gap** [SPQ12]. **Gaps** [RJMG13, WHC14a, WHC14b]. **Gar** [BKDB17, DPK<sup>+</sup>17, DBS19, MAH<sup>+</sup>13, SBS14, SBDB16, SL17b]. **Garden** [SLG<sup>+</sup>15]. **Gars** [BDSB15, WHKB17]. **Gas** [GLCD13, RCMB18, WLL<sup>+</sup>15, WALL17]. **Gastric** [BBW18, CSV13, HNH11].

**Gear** [BGW<sup>+</sup>17, CKCF12, GRSF<sup>+</sup>16, MSK18, MSBP10, NCMT12, TEB<sup>+</sup>19, KKSH12]. **Gear-** [MSK18]. **Gear-Type** [CKCF12]. **Gears**

[CBDW15, CDBW17, DWW12, EJL10, KQDC19, SEP<sup>+</sup>19, WMB<sup>+</sup>15].

**Gender** [SB11]. **Gender-** [SB11]. **Genera** [DSJS16]. **Generating** [MHAP13, MAP14, PMP<sup>+</sup>14]. **Genetic** [ADD14, AES11, BKHS14, BSVB19, BSB<sup>+</sup>15, DPK<sup>+</sup>17, DASB16, DBJD12, DSJS16, DCP<sup>+</sup>19, DLC11, GSCR11, HD14, HS19, HRKB19, HMBT16, HHP<sup>+</sup>12b, HWFN14, HBS14a, HVW<sup>+</sup>17, JF14, LMC<sup>+</sup>16, LSMD15, MNYV12, MWS15, NEC<sup>+</sup>13, ORD19, PLCN17, SBW<sup>+</sup>17a, SOS<sup>+</sup>15, SSK18, SQGK10, TTS<sup>+</sup>18, TLSB18, TBH<sup>+</sup>14, VVB<sup>+</sup>11, VEW<sup>+</sup>13, WHB<sup>+</sup>14, WAW<sup>+</sup>19, WBB10, WWP18]. **Genetically** [HVW<sup>+</sup>17, LAA<sup>+</sup>18, MGB<sup>+</sup>14]. **Genetics** [AK12, HDM15, OHSP17].

**Genotype** [TPBF15]. **Geographic** [WWB<sup>+</sup>17]. **Geographically** [APD<sup>+</sup>18, DWW17]. **Geography** [LR12]. **Georges** [SBG<sup>+</sup>19]. **Georgia** [Sam16, BFP12, GKS13, ITY13, RPJ18, TBIJ19]. **Georgian** [CKCF12].

**Geostatistical** [WHC14a, WHC14b]. **German** [DA12]. **Ghost** [MBM13, SCB<sup>+</sup>19]. **Ghosts** [SCB<sup>+</sup>19]. **Giant** [RJMG13]. **Gibbon** [SZKK10]. **Gila** [HGW16, RW11]. **Gill** [AS10, BFN16, BM14, BDSB15, DHA12, GMB10, Han19, KHBH19, LJR11, SBDB16, SS11a, SR16, SS11b, SBW<sup>+</sup>17b, VKBL11, WSH<sup>+</sup>14, WKS<sup>+</sup>10, ZM17]. **Gill-Net** [AS10, BM14, BDSB15, DHA12, KHBH19, LJR11, SS11a, SS11b, VKBL11, ZM17].

**Gippsland** [GMB10]. **GIS** [ND15]. **GIS-Based** [ND15]. **Gizzard** [CA11, DSB19, FSHR17, NKL18, WSH<sup>+</sup>14]. **Glacial** [DWW12, DWB<sup>+</sup>15, HB14a]. **Global** [HAW<sup>+</sup>18]. **Globally** [SC18]. **Gloves** [WBG<sup>+</sup>17]. **Go** [FBL<sup>+</sup>19, HHP<sup>+</sup>12b]. **Goals** [BKHS14, HTF<sup>+</sup>13]. **Goby** [NCMT12]. **Golden** [FWR<sup>+</sup>15b, FWR<sup>+</sup>15a]. **Good** [JM12b]. **GPS** [RFKB17]. **Grab** [PP11]. **Graded** [Ask16]. **Gradient** [DV17, SPS16].

**Gradients** [PDH<sup>+</sup>19]. **Grand** [BGC11, GDP14, PHS<sup>+</sup>13]. **Grande** [AR12, GHL12, ZRR<sup>+</sup>19]. **Grange** [LKV<sup>+</sup>17]. **Granite** [APPR14, MSK19a].

**Grass** [BFS<sup>+</sup>19, BDB<sup>+</sup>19, CSWP19, KML14, MKBB13, SDF<sup>+</sup>13, SJM15, ZGW11].

**Grassland** [CJA<sup>+</sup>13]. **Gravel** [MODC10, PRR<sup>+</sup>13]. **Gray** [AES11, FWWTJD16]. **Grayling** [ASP<sup>+</sup>17, GAH<sup>+</sup>18, SZKK10]. **Grazing** [DFMP18]. **Great** [BT16, JBRWH18, LSC<sup>+</sup>16, BJ19, Car13, DR19, FDHWP16, FSS<sup>+</sup>10, GKMC15, HMW<sup>+</sup>10, HSG16, ILBJ12, LTG<sup>+</sup>11, ML13, MSK18]. **Greatest** [SPQ12, SQP12]. **Green** [MLEK15, TPF<sup>+</sup>13, WKS<sup>+</sup>10, WBB10, AT18, BQR<sup>+</sup>19]. **Grid** [HB12].

**Grinnell** [GD10]. **Gross** [MHBR19]. **Ground** [BP15]. **Ground-Based** [BP15]. **Groundfish** [AG11, LS17]. **Groundfishes** [CDD<sup>+</sup>11]. **Grounds** [KHBH19]. **Groundwater** [DSB19, HSF18]. **Grouper** [BMMMLML15, SNT<sup>+</sup>16]. **Groups** [OOWW12, RBB<sup>+</sup>10b, SLSS16, SSK18].

**Growing** [ZWH<sup>+</sup>15]. **Growth** [APD<sup>+</sup>18, BK16, BSL18, BRSB<sup>+</sup>16, BKP<sup>+</sup>14, CGDB14, DSB19, DVWS10, DDEW18, DJS<sup>+</sup>16, FILH15, FBL<sup>+</sup>19, FWR<sup>+</sup>15a, GLCD13, GBFR18, GF18, GKT11, HNH11, HDB<sup>+</sup>12, HLM<sup>+</sup>18, HW10, HB16, HF13, ITT10, KWMB11, KSM<sup>+</sup>18, KSG<sup>+</sup>18, KSL<sup>+</sup>19, LLP10, MCB<sup>+</sup>19, MSK19b, NKL18, OL17,

OLOI13, OI17, PPO18, SHSCA16, SW17, SSE19, SPHK16, SKBSA11, SGF<sup>+</sup>13, SLG<sup>+</sup>15, Sta12, SDL<sup>+</sup>15, SDF<sup>+</sup>13, SDPB17, TRB11, TPC<sup>+</sup>15, WS16, WRNJ<sup>+</sup>19, WF17, WS13, WMB<sup>+</sup>15, WWD13, ZOC<sup>+</sup>14].

**Growth-Increment** [WS16]. **Grunt** [ORD19]. **GSI** [HWFN14].

**Guadalupe** [PSB<sup>+</sup>10a]. **Guide** [Ano11, Ano12c, Ano13, Ano15, Ano19h, BG19, BWHM16, Car14, EF10, MS17b, PRRD15]. **Guiding** [GBTL14]. **Gulf** [AOS<sup>+</sup>17, BMMMLML15, JHS15a, RCMB18, SC17, SFH<sup>+</sup>13, SKS<sup>+</sup>15, SM14, WGS16, AES11, CZH<sup>+</sup>19, CK10, CAS16, DPK<sup>+</sup>17, FWWTJD16, GGC17, GGCF14, HB12, MCH12, PA16, RGC<sup>+</sup>12, RR17, RKB15, RGOR10, SDKS16, Sta12, SDPB17, TSFS19, Vin14, ZC12, ZC15]. **Gulls** [FOH<sup>+</sup>15]. **Gun** [CDQG12, RJP<sup>+</sup>15].

**Habitat** [ACRBB10, APAC12, ABVS14, ASL<sup>+</sup>13, ASL<sup>+</sup>16, BPQ13, BOM16, BS10, Bre13, BC17, CEH<sup>+</sup>15, CMMR19, CJMD10, CGG<sup>+</sup>18, CHJ<sup>+</sup>16, CKBP19, CMC<sup>+</sup>19, DDAS14, DFMP18, DTA18, DV17, FDM<sup>+</sup>13, GDP14, GAH<sup>+</sup>18, GKS13, GDLM17, GCA<sup>+</sup>13, HKMH10, HGW10, HH10, HH11a, HH11c, HPM<sup>+</sup>18, KPL12, KCRR19, KYD18, LGC11, LBF17, LS13, MRB<sup>+</sup>11, MHAO11, MS17a, MNYV12, MJ11, MODC10, MMB19, MSHC15, ND15, ORC<sup>+</sup>16, ORA17, Pto13, RGH<sup>+</sup>13, RFKB17, RSI16, RÅW18, RABK18, RBB<sup>+</sup>10b, RBP16, RMTW16, RIMR19, SHMS16, SG13, SPM15, SPT<sup>+</sup>12, SQP12, SBL11, SCB<sup>+</sup>19, TFP<sup>+</sup>11, UML<sup>+</sup>11, WWW15, WA16, WHKB17, WS11b, ZWS<sup>+</sup>19, ZSW11]. **Habitat-Specific** [SBL11]. **Habitats** [AM17, BKSH<sup>+</sup>12, JJ10, KCCW19, MFLS18, TBH<sup>+</sup>14, TKH<sup>+</sup>16]. **Habits** [Bal15, BR14, MSK19b]. **Haddock** [CZH<sup>+</sup>19, PSCS11]. **Hake** [RR17, RGOR10]. **Half** [BRB<sup>+</sup>17, BSTC13, SLSS16]. **Half-Duplex** [BRB<sup>+</sup>17, BSTC13, SLSS16]. **Halibut** [LS11, SF16]. **Hampshire** [SBB19]. **Hand** [ASD<sup>+</sup>18, BSO<sup>+</sup>16, FMP19]. **Hand-Crank** [FMP19]. **Handling** [BLSS19, FGS13, KDA<sup>+</sup>18, LLW<sup>+</sup>18, SMP<sup>+</sup>14, SQS<sup>+</sup>17, SCG11b, TEB<sup>+</sup>19, WBG<sup>+</sup>17]. **Handling-Induced** [SMP<sup>+</sup>14]. **Hang** [AS10]. **Hang-in** [AS10]. **Hanson** [WBB10]. **Harbor** [BM14]. **Hardness** [RSLG10]. **Harry** [STP19]. **Harvest** [CPSG12, DAKP13, ES14, FBM<sup>+</sup>19, FWR<sup>+</sup>15b, GD10, GRCR10, HIS16, HHCH15, HV18, HWB11, HCL<sup>+</sup>12, Hen15, HSHH17, HCH13, JKN<sup>+</sup>10, LWJS16, LS10, LSLC15, McC17, MMHM17, RPJ18, RIMR19, Sam16, SCW13, SL17a, SSE19, SM10, SLS16, SGC13, TSFS19, VPV18, WAW<sup>+</sup>19, WWM13, ZC12]. **Harvested** [BCZ17, ISC10]. **Hatch** [PCP<sup>+</sup>13]. **Hatcherries** [MEJ10]. **Hatchery** [AR12, APP13, BZ13, BGCS11, BKHS14, Bri17, BSG10, CGDB14, CFW<sup>+</sup>10, CFWC11, DBKG14, DDEW18, EKM10, FHC16, FDM<sup>+</sup>13, GPP<sup>+</sup>10, HTF<sup>+</sup>13, HM12, JPWR10, JF13, JNC<sup>+</sup>16, JCB<sup>+</sup>18, KPP<sup>+</sup>18, KSL<sup>+</sup>19, MNYV12, MB12, MW19, MSK<sup>+</sup>16, MPM10, NCJ<sup>+</sup>11, ND11, OMT<sup>+</sup>15, PNWC11, PHFK10, RS18, RCP<sup>+</sup>13, SKH<sup>+</sup>16, SMK13, SSP18, SLG<sup>+</sup>15, SPK10, SPP12, TRB11, TCG<sup>+</sup>17, TLC<sup>+</sup>19, VEW<sup>+</sup>13, WBP13, WMSV18, WPJ<sup>+</sup>18, WMMB19]. **Hatchery-** [KPP<sup>+</sup>18, MPM10]. **Hatchery-Dependent** [APP13]. **Hatchery-Origin** [WPJ<sup>+</sup>18]. **Hatchery-Produced** [GPP<sup>+</sup>10]. **Hatchery-Rearred**

[AR12, CGDB14, DBKG14, DDEW18, JPWR10, KSL<sup>+</sup>19, MB12, PHFK10, SKH<sup>+</sup>16, SSP18, SPK10, SPP12, WBP13, WMSV18]. **Hatching** [RSLG10]. **Haul** [KPP<sup>+</sup>18, TSNH10]. **Head** [CSH<sup>+</sup>17, MSS<sup>+</sup>12, WBZ19]. **Head-of-Reservoir** [CSH<sup>+</sup>17]. **Head-of-Tide** [WBZ19]. **Headwater** [HAS<sup>+</sup>19, HBA<sup>+</sup>12, PT15, UACZ<sup>+</sup>16, WHMS14, WWP18]. **Healing** [HRH10, WRNJ<sup>+</sup>19]. **Health** [HHB12]. **Heavily** [SPM15]. **Height** [Ano12b, JY11]. **Helps** [WMB<sup>+</sup>15]. **Hematological** [JTB16]. **Hemorrhagic** [PCT<sup>+</sup>14, TPBF15]. **Herbicides** [MKBB13]. **Herring** [BSS<sup>+</sup>14, DRW<sup>+</sup>18, DR10, DG12, Gur12, GBTL14, OHSP17, SB15]. **Hessenauer** [SCPC14]. **Heterogeneity** [SC17]. **Hickory** [HH11c]. **Hidden** [DPS<sup>+</sup>17, HTF<sup>+</sup>13]. **Hidden-Process** [DPS<sup>+</sup>17]. **Hierarchical** [NB10]. **High** [AWG<sup>+</sup>18, DM12, FBB19, GS CCP18, GMB10, HHR<sup>+</sup>18, HR11a, KZ12, LFD<sup>+</sup>17, McC15, McC16, SCS17a, SK18b, WAW<sup>+</sup>19]. **High-Density** [KZ12]. **High-Effort** [SCS17a]. **High-Frequency** [AWG<sup>+</sup>18]. **High-Profile** [WAW<sup>+</sup>19]. **High-Relief** [HR11a]. **High-Use** [SK18b]. **High-Water** [HHR<sup>+</sup>18]. **Higher** [ORL<sup>+</sup>16]. **Highlands** [TLSB18]. **Highway** [PFRM12]. **Hills** [JWC10]. **Hilsa** [NCSR17]. **Hired** [SF16]. **Historical** [GD10, KBH<sup>+</sup>19, McG14]. **History** [AT18, BACRB14, BSM17, BPT<sup>+</sup>19, BWR12, CAWB17, DS12, DASB16, DSD<sup>+</sup>13, EMK<sup>+</sup>17, HGK15, JBRWH18, JBZ<sup>+</sup>10, KRB<sup>+</sup>16, MCS<sup>+</sup>17, RM14, TRB<sup>+</sup>13, UACZ<sup>+</sup>16]. **Hokkaido** [KSMN18]. **Holders** [TBJ19]. **Hole** [CFBB15, KPL12]. **Holt** [CBS13]. **Homarus** [BC18]. **Homing** [HTF<sup>+</sup>13]. **Hook** [BDH<sup>+</sup>14, BMMMLML15, DVWS10, FSW18, RLC12, RPMB19, SOB18, SKH<sup>+</sup>16, SEP11]. **Hook-and-Line** [RPMB19, SOB18]. **Hooked** [DVWS10, RLC12]. **Hooking** [BDH<sup>+</sup>14, CMWM18, MH11a, MHB19, RS11, SS13a, SKH<sup>+</sup>16, SMS13]. **Hooks** [BDT<sup>+</sup>16, KSH<sup>+</sup>16, LMS<sup>+</sup>18, RS11, SMS13]. **Hoop** [CBDW15, Sin18, SL12]. **Hopper** [PPR11]. **Horizon** [SM14]. **Horizontal** [MRC12]. **Hormone** [HPA<sup>+</sup>11]. **Hornyhead** [HW19]. **Hourly** [XM14]. **House** [SF14]. **Howard** [WBB10]. **HSIs** [LS13]. **Hudson** [KSM<sup>+</sup>18]. **Humpback** [GDP14, PHS<sup>+</sup>13, WPY<sup>+</sup>15]. **Huron** [CBC<sup>+</sup>17, RRH<sup>+</sup>11, BATK16, BSB<sup>+</sup>15, CBC<sup>+</sup>16, EWS<sup>+</sup>17, FB14, HER<sup>+</sup>12, JDG10, KSL<sup>+</sup>19, PM13, SBHJ17, ZM17]. **Hurricanes** [PKKR10]. **Hybrid** [BK16]. **Hybridization** [ACMB<sup>+</sup>14, BKDB17, CEP15, KEC11, KACS18, LDP<sup>+</sup>10, ND11, PNWC11, TLSB18]. **Hybrids** [DZS10, GWB<sup>+</sup>10, MKHC17, NLK17, PVST11, SDF12]. **Hydrilla** [KML14, MKBB13, NTJ15, SDF<sup>+</sup>13]. **Hydroacoustic** [DCL19, GH17, XM14]. **Hydrochloride** [WMD<sup>+</sup>19]. **Hydroelectric** [AZE<sup>+</sup>18, CBS<sup>+</sup>12, CKC<sup>+</sup>12, GBTL14, HFCH15, MHAP13, MAP14]. **Hydrokinetic** [ABC<sup>+</sup>15]. **Hydrology** [NCSR17]. **Hydropower** [SEP<sup>+</sup>14]. **Hydrosystem** [RS18]. **Hydroturbine** [CBS<sup>+</sup>12]. **Hydroxide** [WMSH13]. **Hypotheses** [WS11a].

**IBI** [OH15]. **Ice** [BLSS19, FHL18, TLL<sup>+</sup>18]. **Ice-Angling** [BLSS19, TLL<sup>+</sup>18]. **Ichthyoplankton** [AG15]. **Ictalurus** [SLS16]. **Idaho**

[CMK<sup>+</sup>19, CWH<sup>+</sup>14, CMWM18, DB13, ES14, FBD<sup>+</sup>19, GKT11, HHH14, KKMS11, KM11, KMK<sup>+</sup>15, KD10, MNYV12, MQS13b, MM18a, MHDD16, MEL<sup>+</sup>12, MGS14, MSM<sup>+</sup>14, MS14, MSK<sup>+</sup>16, ND11, NFQ16, SLMM10, SD11, TGS<sup>+</sup>15, VWB<sup>+</sup>11]. **Identification** [BS11b, BSB<sup>+</sup>15, CSWP19, DBJD12, DSJS16, DCP<sup>+</sup>19, FG13, FAW14, GL16, HH11a, HJB14, HHMQ15, HWFN14, HH15, McB14, MLEK15, PNHA12, PVST11, RFKB17, SM19, TBH<sup>+</sup>14, WAW<sup>+</sup>19, PZC<sup>+</sup>12]. **Identify** [AM17, CSH<sup>+</sup>18, DBK11, FDM<sup>+</sup>13, LS11, MB12, MM18b, SDF12]. **Identifying** [HH10, RABK18]. **IFQ** [WHGC16]. **II** [AHS15, MRC12, WHC14b]. **ilisha** [NCSR17]. **Ill** [SCG11a]. **Illinois** [LDP<sup>+</sup>10, CBDW15, DWW17, FHE<sup>+</sup>12, HGW10, KCF15, LKV<sup>+</sup>17, MCSF<sup>+</sup>17, PVH<sup>+</sup>13]. **Illustration** [MBBS10]. **Image** [SBB19]. **Imagery** [BOM16, HSF18]. **Imaging** [BP15, BWB18]. **Immersion** [SL17b]. **Immobilization** [BDB<sup>+</sup>19, FMA<sup>+</sup>12, LCR19, WBG<sup>+</sup>17]. **Immunosorbent** [MEJ10]. **Imnaha** [FHC16]. **Impact** [BR14, BPB13, BLSS19, BRA18a, BLM10, CHPP11, DDD<sup>+</sup>18, LS10, LHS<sup>+</sup>14, MSK19b, SL17a]. **Impacted** [VBBK16]. **Impacts** [ACS19, ERC<sup>+</sup>11, FCH<sup>+</sup>13, HMCT16, HKP<sup>+</sup>14, HHS<sup>+</sup>13, KBK13a, KBK13b, LSC<sup>+</sup>16, LS17, LBL11, NEH10, PFRM12, SDDC16, SW17, SMW16, SMW12, TPB<sup>+</sup>16, YC11]. **Impair** [SKBB15]. **Impairment** [FDHWP16, SBL<sup>+</sup>18b]. **Impedance** [SMCS14]. **Impede** [WBG<sup>+</sup>17]. **Impediment** [HCH13, MRB<sup>+</sup>11]. **Impediments** [JM12a]. **Imperfect** [BHW13]. **Imperiled** [BWHM16, DCS11, HW19, RTJJ16]. **Impervious** [UML<sup>+</sup>11]. **Impinged** [BKD<sup>+</sup>10, BP14]. **Impingement** [KSV<sup>+</sup>10]. **Implant** [DBKG14, LN12a, MM16, MLHS13, NBP15, YHP10, ZC10]. **Implantation** [BRSB<sup>+</sup>16, BHC<sup>+</sup>10, DBW13, FVH<sup>+</sup>17, KWMB11, WWS<sup>+</sup>14, WRNJ<sup>+</sup>19, WF17]. **Implantations** [AAYC14]. **Implanted** [FBL<sup>+</sup>19, GM12, GLH<sup>+</sup>18, HBLL12, TPC<sup>+</sup>15]. **Implanting** [CHL13, OL17]. **Implants** [CSV13]. **Implement** [JDH16]. **Implementation** [VMA<sup>+</sup>16, WHGC16]. **Implementing** [RABK18]. **Implications** [AK12, BACRB14, BATK16, BKDB17, BGBG17, CBS<sup>+</sup>12, CGG<sup>+</sup>18, DS12, DBS19, DC13, DKSW15, DGF11, FILH15, GAH<sup>+</sup>18, GRR<sup>+</sup>17, HS19, HMBT16, HB14a, HK17, HPTH18, HHB12, HT11, KLR<sup>+</sup>12, MD10, MCP15, MQS13b, MP14, MCSF<sup>+</sup>17, PS10, PDH<sup>+</sup>19, Sam16, SCS17b, SMP<sup>+</sup>14, SKBSA11, SSK18, TPBF15, TSFS19, WDD<sup>+</sup>14, WLK<sup>+</sup>16, WQP13, WHC12, ZDC14, BWHM16]. **Importance** [ABP<sup>+</sup>18, BHHA11, BEH<sup>+</sup>19, GBTL14, SM10, TBIJ19, WCY<sup>+</sup>18]. **Impounded** [SPWC15]. **Impoundment** [NKL18, SSPP19]. **Impoundments** [FSW16, FHE<sup>+</sup>12, HWDA12, HBA<sup>+</sup>12, KSG<sup>+</sup>18, LDW10, LSQ12, MOJ12, WWD13]. **Improve** [BB12, CKC<sup>+</sup>12, KIST16, MB17, ORL<sup>+</sup>16, WEC<sup>+</sup>19]. **Improved** [GH17, HHCH15]. **Improves** [JCB<sup>+</sup>18]. **Improving** [DIK19, HB12, HR11b]. **In-Person** [CFBB15]. **In-Season** [CJ14]. **In-Situ** [TGKZ19]. **In-Water** [Rey15, SL15b]. **Inbreeding** [SH11]. **Incidence** [HRH10, LMB<sup>+</sup>18].

**Incidental** [CAS16]. **Include** [HBS14b, SPW<sup>+</sup>12]. **Inconnu** [SSS15]. **Incorporating** [BB12, RFKB17, SKS<sup>+</sup>15]. **Increase** [CWB16, KLR<sup>+</sup>12, Mat10, RPBM10, SHMS16, TFH<sup>+</sup>16]. **Increased** [AKP15, BM14, CCC16, LBF17, PM13, SBG<sup>+</sup>19]. **Increasing** [BDS<sup>+</sup>11, BDSB15, BGM17, BKP<sup>+</sup>14, CBWB14, GCLC18, RRH<sup>+</sup>11]. **Increment** [HB16, HB14b, WS16]. **Incrementally** [SDF<sup>+</sup>13]. **Incubators** [PPFC18]. **Independent** [FWG15, GGCF14, Vin14]. **Index** [Ano12b, CKCF12, JY11, PW13]. **Indian** [NCSR17]. **Indiana** [MCSF<sup>+</sup>17]. **Indicate** [CCDF18]. **Indicator** [FSW18, WP11]. **Indicators** [HSG16, MG10]. **Indices** [BS10, LS13, OH15, PLCG13, THZ<sup>+</sup>17, ZC15]. **Indirect** [BSS18, TPBF15]. **Individual** [CSH<sup>+</sup>18, HWNR14, HEL<sup>+</sup>15, LS17, MSS<sup>+</sup>12, MWS15, PHS<sup>+</sup>13, RGH<sup>+</sup>13, SF16, WHGC16]. **Individual-Based** [HWNR14, PHS<sup>+</sup>13, RGH<sup>+</sup>13]. **Indoor** [TPL18]. **Induce** [BDB<sup>+</sup>19]. **Induced** [SMP<sup>+</sup>14, SOSL10]. **Induction** [JTB16, LP12, ZGW11]. **Industry** [AG11]. **Inequality** [SBC<sup>+</sup>11, SCW13]. **Inert** [HSF18]. **Infection** [SMP<sup>+</sup>14]. **Inferred** [AES11, BFL<sup>+</sup>10]. **Inferring** [BG12]. **Infested** [SM13]. **Influence** [BRN16, BMMMLML15, CSF12, CBS<sup>+</sup>12, CF13, DHH17, DASB16, DWB<sup>+</sup>15, FHC16, HNH11, HHP<sup>+</sup>12b, HSHH17, HEL<sup>+</sup>15, JWC10, KMPP12, LSM<sup>+</sup>16, LBB16, LLW<sup>+</sup>18, MCP15, MOJ12, NCSR17, PTH<sup>+</sup>10, RS18, RLC12, SHSCA16, SM14, TLC<sup>+</sup>19, TRB<sup>+</sup>13, WKTQ15, WP11, WCWA10]. **Influences** [CBM13, CKCF12, DCS<sup>+</sup>16, ES17, FWR<sup>+</sup>15a, HW16, MNYV12, MSHC15, WWW15]. **Influencing** [HPM<sup>+</sup>18, KSV<sup>+</sup>10, LFD<sup>+</sup>17, LSK<sup>+</sup>14, RHG13, SNTZ14]. **Inform** [AWG<sup>+</sup>18]. **Information** [Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, FB14, FJB16, FHH16, LTG<sup>+</sup>11]. **Informative** [Kae13]. **Infrared** [HSF18]. **Infusion** [SNT<sup>+</sup>16]. **Ingestion** [LMB<sup>+</sup>18, SPP<sup>+</sup>18]. **Initial** [LS17]. **Injected** [PFWG16]. **Injuries** [CC10, KHBH19, MHBR19, SVD<sup>+</sup>18]. **Injury** [CC15, DMRJ10, HRH10, ILBJ12, SOB18]. **Inland** [FC17, JHK11]. **Inner** [WHB<sup>+</sup>14]. **Insects** [Erm12, FSV10, FSV12]. **Inshore** [AS10, WFWSV14]. **Insight** [OLOI13]. **Insights** [DPK<sup>+</sup>17, RIMR19]. **Install** [IH11]. **Installation** [PPFC18]. **Installed** [ABVS14]. **Instantaneous** [AWG<sup>+</sup>18, WH11]. **Instantaneous-Rates** [WH11]. **Instream** [DFMP18, GDLM17, KCRR19, MRA14, PPFC18, RBP16]. **Intake** [SPT<sup>+</sup>12]. **Integrated** [AAYC14, BRB<sup>+</sup>17, BR12, Bur11, BSTC13, CHJ<sup>+</sup>16, FOH<sup>+</sup>12, GM12, HHP12a, HUST17, HWWT15, KWMB11, KZ12, MM16, MHG<sup>+</sup>11, NKC<sup>+</sup>18, OL17, SNT<sup>+</sup>16, SLSS16, SKBK12, WF17, WHG<sup>+</sup>16, YHP10]. **Integrating** [CH17, WEC<sup>+</sup>19]. **Integration** [BKHS14, FB14]. **Integrity** [BKHS14, OH15]. **Intensify** [MDM12]. **Intensity** [SLP13]. **Interact** [PM14]. **Interaction** [RCP<sup>+</sup>13]. **Interactions** [BRS<sup>+</sup>12, LDW10, MOJ12, RW11, SPT<sup>+</sup>12, SCB<sup>+</sup>19, WCWA10]. **Interannual** [KTN14]. **Interior** [ACRBB10, MRA14, MAG<sup>+</sup>15]. **Intermixed** [HSHH17]. **Internal** [WBP13]. **Internally** [WS13].

**International** [WHGC16]. **Internationally** [DZ14, DZ17]. **Interpretation** [DSD<sup>+</sup>13, OH15, PC12]. **Interstate** [MCSF<sup>+</sup>17]. **Intertidal** [WHC12]. **Intra** [SCWP17]. **Intra-Annual** [SCWP17]. **Intracoelomic** [BDC<sup>+</sup>13, FVH<sup>+</sup>17]. **Introduced** [ASL<sup>+</sup>13, DASB16, FMP19, HTH<sup>+</sup>19, HGW16, HHH14, MSC13, PT15, SLR10, WGJ10]. **Introducing** [NWZ14]. **Introduction** [DASB16, KMB<sup>+</sup>12, NBFL17]. **Introductions** [GBFR18]. **Introgressed** [DLC11]. **Introgression** [BSVB19, HRKB19, VEW<sup>+</sup>13]. **Introgressive** [LDP<sup>+</sup>10]. **Invaded** [LC14]. **Invasions** [RFHP17]. **Invasive** [BS12, Bal15, BT16, BWHM16, CBHS16, CSWW18, FBB19, LSC<sup>+</sup>16, NCMT12, RWAJ16, SGCB19, SEB<sup>+</sup>19, SOSL10, SC18, SPWC15, TGKZ19, TGKI10]. **Invasive-Induced** [SOSL10]. **Invertivorous** [SS16]. **Investigating** [LDW10, TCM19]. **Investigation** [AZE<sup>+</sup>18]. **Investigations** [SWW14]. **Iowa** [BPQ13, FSW16, NQ11, SPQ12, SQP12, WFS13]. **Irish** [HT11]. **Islands** [CH17, TS13]. **Isle** [SQGK10]. **Isolated** [RFHP17]. **Isolation** [BBO16]. **Isotope** [HTPS10]. **Isotopes** [FDM<sup>+</sup>13, THQ15, WGM<sup>+</sup>11]. **Isotopic** [EWS<sup>+</sup>17]. **Issue** [Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g]. **Issues** [WLK<sup>+</sup>16]. **Italy** [PLCG13]. **Iteroparity** [Cle15]. **Iteroparous** [TFH<sup>+</sup>16]. **IVb** [TPBF15].

**J** [KSH<sup>+</sup>16, SMS13]. **James** [ABBG13, BRS<sup>+</sup>12]. **Japan** [KSMN18, OMT<sup>+</sup>15]. **Japanese** [Nak13]. **japonicus** [BFLT17]. **Jaw** [VBT<sup>+</sup>12]. **Jaw-Tagged** [VBT<sup>+</sup>12]. **Jersey** [ADMC10, MBPG12, SOB18]. **Jet** [AG15, DMRJ10]. **Jet-Propelled** [AG15]. **Jigs** [RS11]. **Joaquin** [BGD<sup>+</sup>19, BSBF13, BBS18, NB10, PSB<sup>+</sup>10b]. **Job** [HBS14b]. **John** [ALCD17, LAA<sup>+</sup>18, SDL<sup>+</sup>15]. **Johnson** [CWH<sup>+</sup>14]. **Joint** [BGP10, LTG<sup>+</sup>11]. **Jonah** [TDM19]. **Jordan** [PPFC18]. **Journal** [Ano16b, Ano19h, MS17b]. **Juan** [CMMR19]. **Juglines** [SS13a]. **Juvenile** [APPR14, AT18, ASL<sup>+</sup>13, ASL<sup>+</sup>16, AAYC14, BQHR17, BSL18, BFLT17, BKHS14, BB12, BG12, BRA<sup>+</sup>18b, BDB<sup>+</sup>19, BHC<sup>+</sup>10, BSBF13, BBS18, BKP<sup>+</sup>14, Bur11, CBS<sup>+</sup>12, CGM13, CSH<sup>+</sup>17, CCDF18, CC10, CDBW17, CHJ<sup>+</sup>16, CHL13, CJH16, CHW12, DMRJ10, DBJD12, DWW17, DBE11, DG12, ERC<sup>+</sup>11, FBL<sup>+</sup>19, FOH<sup>+</sup>12, FCH<sup>+</sup>13, FTSF13, GLH<sup>+</sup>18, GPP<sup>+</sup>10, GDLM17, Gur12, GBTL14, HHT<sup>+</sup>13, HW10, HJB14, HHP<sup>+</sup>12b, HPM<sup>+</sup>18, HRH10, JKSK13, JM15, KWMB11, KSM<sup>+</sup>18, KTN14, KLR<sup>+</sup>12, KDMH10, KSM16, LKV<sup>+</sup>17, LP12, MHR<sup>+</sup>18, MFLS18, MCB<sup>+</sup>19, MSD11, MMB19, MCTM14, NSW16, NB10, OHSP17, ORA17, PSB<sup>+</sup>10b, RGOR10, SMP<sup>+</sup>14, SB18, SBL11, SMK13, SL17b, SSP18, SHMJ19b, SS16, TFP<sup>+</sup>11, WBP13, WWS<sup>+</sup>14, WWW15, WPY<sup>+</sup>15, WMSV18, WHMS14, ZWS<sup>+</sup>19]. **Juvenile-Based** [BKHS14]. **Juveniles** [Bou10, TBH<sup>+</sup>14].

**Kansas** [KNC14, KSG<sup>+</sup>18, NKC16, NKL18]. **Katrina** [PKKR10]. **Kayaks** [AG15]. **Keeping** [CL12]. **Kelt** [HFB<sup>+</sup>13, TFH<sup>+</sup>16]. **Kelts** [BS11a]. **Kettle** [DFPS10]. **Key** [LKM<sup>+</sup>17]. **Kidney** [MEJ10]. **Kiyis** [LOV17]. **Klamath**

[EHP<sup>+</sup>16]. **Know** [PZC<sup>+</sup>12]. **Knowledge** [TDM19]. **Known** [BMW<sup>+</sup>19, CHDW18]. **Known-Age** [BMW<sup>+</sup>19]. **Koi** [DHLD11]. **Kokane** [AJ13, Ask16, BMW<sup>+</sup>19, Han19, KQDC19, LR12, PJLB14, WAW<sup>+</sup>19, WGJ10]. **Kootenai** [BQHR17]. **Kootenay** [LR12].

#### **Labeling** [WMD<sup>+</sup>19]. **Laboratory**

[BP14, FWT14, OL17, RHC<sup>+</sup>14, SWW14, WPY<sup>+</sup>15, WDW13]. **Lacs** [KMPV13]. **Lacustrine** [AW10]. **Laden** [DHB<sup>+</sup>10]. **Lagos** [Aka10]. **Lahontan** [APAC12, SRSS12, SBVB12]. **Lake** [AHS15, ABVS14, BBG19, BGCF11, BATK16, BRBP10, BBL<sup>+</sup>11, BSB<sup>+</sup>15, BGM17, BHR<sup>+</sup>15, CSF12, CSED10, Car13, CJMD10, CBHB16, CSH<sup>+</sup>17, CSWW18, CDQG12, DWW12, DFPS10, DGF11, EWS<sup>+</sup>17, EDN10, FVH<sup>+</sup>17, GZ13, HTF<sup>+</sup>13, HIS16, HBS<sup>+</sup>19, HFN11, HHT<sup>+</sup>13, HFCH15, HER<sup>+</sup>12, HB14a, HMS11, HUB<sup>+</sup>18, HHH14, JHS15b, Kae12, KPL<sup>+</sup>16, KBH<sup>+</sup>19, KYD18, KMPV13, LOS<sup>+</sup>11, LLP10, LBF17, LWJS16, LMD<sup>+</sup>19, MD10, MHAO11, MKRH14, MCB<sup>+</sup>19, MHAP13, MAP14, McG14, MKWM18, NCJ<sup>+</sup>11, NFQ16, PJLB14, PCP<sup>+</sup>13, PSR16, PM13, PDL<sup>+</sup>18, RBB10a, RSHS15, RTMJ10, RRH<sup>+</sup>11, RPJ18, RMTW16, SCKZ17, SS11a, SH11, SRFW14, SRFS15, SBVB12, SSE19, SBHJ17, SKBSA11, SKBB15, SHMJ19b, SSK18, SQGK10, SGC13, TS11, TGKZ19, TPBF15, WA16, WFS13, WHV15, WSA18, WEC<sup>+</sup>19, WMD<sup>+</sup>19, ZEM11, ZM17, ZWH<sup>+</sup>15, AJ13, BATK16, BS11b, BFS<sup>+</sup>19]. **Lake** [BBL<sup>+</sup>11, BSB<sup>+</sup>15, CCMA<sup>+</sup>10, CB10, DRC17, EWS<sup>+</sup>17, FB14, FDM<sup>+</sup>13, HER<sup>+</sup>12, HMS11, HHH14, JDG10, Kae12, Kae13, KRB<sup>+</sup>16, KBH<sup>+</sup>19, LOS<sup>+</sup>11, LR12, LSL<sup>+</sup>13, LOV17, LJR11, MD10, MRB<sup>+</sup>11, MMS<sup>+</sup>17, MHDD16, PNWC11, PM13, PTD10, PPO18, RHG12, RHG13, SG13, SS17, SHMJ19a, SBTW17, SOSL10, SQGK10, TFP<sup>+</sup>11, TGKZ19, TLL<sup>+</sup>18, VKBL11, VBT<sup>+</sup>12, WSS13, WPJ<sup>+</sup>18, ZKM13, ZM17]. **Lake-Origin** [NCJ<sup>+</sup>11]. **Lakes** [BS12, BKME17, BSBC14, CWB16, CMK<sup>+</sup>19, CBDW15, DWB<sup>+</sup>15, DRW<sup>+</sup>18, DWW17, EJL10, FBB18, GKT11, GMB10, HHCH15, HSHH17, HADG10, ILBJ12, ISC10, JHK11, KIST16, KMB<sup>+</sup>12, KKMS11, KM11, KMK<sup>+</sup>15, LSM<sup>+</sup>16, LLP10, LC14, LAM16, LP17, McC15, ND15, ORL<sup>+</sup>16, PHFK10, QA16, RWCP11, RS17, RSI16, Ryp15, SEP<sup>+</sup>19, TPB<sup>+</sup>16, WS11b, BT16, BJ19, Car13, CBC<sup>+</sup>16, CBC<sup>+</sup>17, HSG16, JBRWH18, KSL<sup>+</sup>19, LSC<sup>+</sup>16, LTG<sup>+</sup>11, ML13, RRH<sup>+</sup>11, SBHJ17]. **Lakeshore** [LGC11, LSL<sup>+</sup>13, TFP<sup>+</sup>11]. **Lampetra** [DSJS16]. **Lamprey** [AM17, BT16, BWHM16, CKC<sup>+</sup>12, DSJS16, GRR<sup>+</sup>17, ILBJ12, JM12a, JSDJ16, KDP<sup>+</sup>10, MSW<sup>+</sup>14, RWAJ16, RM12]. **Lampreys** [APD<sup>+</sup>19, CGM13, DCHC13, GDLM17, MCK<sup>+</sup>15, MJH17, NTJ<sup>+</sup>14, SHK<sup>+</sup>17, SBL<sup>+</sup>12]. **Land** [BG19, Bre13, MKK<sup>+</sup>12]. **Land-Use** [Bre13]. **Landed** [MBPG12]. **Landing** [LLW<sup>+</sup>18]. **Landings** [MG10, SCS17a]. **Landings-Based** [MG10]. **Landlocked** [OEZ17, PRM15]. **Landscape** [ESL<sup>+</sup>15, MJ11, Pto13]. **Lane** [GSCR11]. **Laparoscopy** [FG13]. **Lapse** [AWG<sup>+</sup>18, SK18b]. **Large** [AZE<sup>+</sup>18, BEH<sup>+</sup>19, CF18, CVD<sup>+</sup>14, DTA18, FSHR17, GRSF<sup>+</sup>16, GDLM17, HDKB10, HNPB15, HPTH18, KFM12, LSM<sup>+</sup>16, McG14, MLHS13, NCJ<sup>+</sup>11,

PBA<sup>+17</sup>, PT11, SG13, SSK19, SS11a, SPT<sup>+12</sup>, SE12, SEP11, TPB<sup>+16</sup>, TMC10, WKS<sup>+10</sup>, WQP13]. **Large-Format** [MLHS13]. **Large-Reservoir** [SSK19]. **Large-River** [GRSF<sup>+16</sup>]. **Large-Scale** [CVD<sup>+14</sup>, PT11]. **Largemouth** [BLSS19, BKM19, BRSA15, CI10, CF18, DVWS10, DLSW12, DDEW18, DAKP13, DLC11, FC17, FSW18, FHE<sup>+12</sup>, GKS13, HWDA12, HBS14a, HVW<sup>+17</sup>, KIST16, KDA<sup>+18</sup>, KADH15, LGC11, LN12c, LSK<sup>+14</sup>, MASN16, MCS<sup>+17</sup>, NTJ15, NSW16, NKL18, PLCN17, PTD10, SPP<sup>+18</sup>, SLK15, SL15a, SB18, SOBW10, SKBK12, SQS<sup>+17</sup>, SS16, TGA15, THI<sup>+19</sup>, THZ<sup>+17</sup>, TP17, WBG<sup>+17</sup>, WI17, WS11b, WWD13]. **Larger** [SL12]. **Largest** [GRR<sup>+17</sup>, HMBT16, HWB11]. **Larus** [FOH<sup>+15</sup>]. **Larvae** [BFL<sup>+10</sup>, BFS<sup>+19</sup>, JSDJ16, LBF17, PRR<sup>+13</sup>, SPS16, UWL13]. **Larval** [DCHC13, FRH10, GDLM17, GZ13, GF18, KYD18, PRRD15, RFLP14, SHK<sup>+17</sup>, WGM<sup>+11</sup>]. **Laser** [RWT17]. **Late** [CMD12, JKN<sup>+10</sup>]. **Lates** [HH12]. **Latitudinal** [KMPP12]. **Laurentian** [BT16, LSC<sup>+16</sup>]. **Lavage** [BBW18, HNH11]. **Lead** [MSK19b]. **Leaders** [SBD<sup>+11</sup>]. **Leading** [SBG<sup>+19</sup>]. **Learned** [KCRR19]. **Learning** [CSWP19]. **Lees** [AKP15, BRN16]. **Legacies** [FQ19]. **Legal** [HIS16]. **Length** [BMM<sup>+12</sup>, BS10, BBC10, BBC11, BBS19, BGW<sup>+11</sup>, BHW13, CI10, Car13, CF18, DBKG14, DMC<sup>+19</sup>, DC13, DN11, EPM16, FRH10, Ger11, ITT10, JF13, LKV<sup>+17</sup>, MSW<sup>+14</sup>, MH13, MCS<sup>+17</sup>, MBPG12, MIH15, NEH10, OI17, Pie10, PSCS11, PA16, PCP<sup>+19</sup>, PDH<sup>+19</sup>, RFW<sup>+10</sup>, RFW<sup>+11</sup>, Ran18, RV12, RWT17, RD10, SHSCA16, SLMM10, SR16, SSP<sup>+19</sup>, SLS16, SEP<sup>+19</sup>]. **Length-Based** [NEH10, PCP<sup>+19</sup>, PDH<sup>+19</sup>, SLS16]. **Length-Related** [Ger11, RFW<sup>+10</sup>, RFW<sup>+11</sup>, RV12]. **Lengths** [BK12]. **Lentic** [BKSH<sup>+12</sup>, BQR<sup>+19</sup>, FQ19, MSK<sup>+16</sup>, TCM19]. **Lepisosteids** [BKDB17, BR12]. **Less** [HW12, VPV18]. **Less-Certain** [HW12]. **Less-Restrictive** [VPV18]. **Lessons** [KCRR19]. **Lethal** [CJH16, NSW16, SK18a]. **Level** [DBK11, LSM<sup>+16</sup>, TPF<sup>+13</sup>]. **Levels** [Aka10, DT11, GAWC10, ILBJ12]. **License** [HBD<sup>+17</sup>, TBIJ19]. **Life** [AT18, BACRB14, BSM17, BPT<sup>+19</sup>, BWR12, CSED10, CAWB17, DS12, DDD<sup>+18</sup>, DSD<sup>+13</sup>, EMK<sup>+17</sup>, HGK15, JBZ<sup>+10</sup>, KRB<sup>+16</sup>, POWF11, RM14, SJM15, UACZ<sup>+16</sup>]. **Life-History** [DSD<sup>+13</sup>]. **Light** [BDS<sup>+11</sup>, FWT14, MJH17, SWG<sup>+16</sup>]. **Light-Emitting** [SWG<sup>+16</sup>]. **Lighting** [SBL<sup>+12</sup>]. **Lights** [SWW14]. **Lightweight** [HBDA13]. **Like** [BJ19]. **Likelihood** [BGP10]. **Limit** [Car13, EPM16, Pie10, PG14, PS10, RD10, Ryp15, SHSCA16, SCS17a, SSP<sup>+19</sup>]. **Limitations** [MSK19b, SPW<sup>+12</sup>]. **Limited** [HKMH10, KSL<sup>+19</sup>, MM18b, SRCC<sup>+18</sup>, SOBW10]. **Limiting** [KW13]. **Limits** [Ask16, CI10, DMC<sup>+19</sup>, MCS<sup>+17</sup>, MM18b, MIH15, ORL<sup>+16</sup>, THQ15]. **linbin** [WTB<sup>+15</sup>]. **Lindgren** [SEP11]. **Line** [Ano12b, Ger10, JY11, RPMB19, SOB18]. **Linear** [SBL<sup>+18a</sup>]. **Linked** [KSL<sup>+19</sup>, MEJ10]. **Linking** [APP13, BG19, UML<sup>+11</sup>]. **Lipid** [SMCS14]. **Liquid** [WMSH13]. **Listed** [MAM<sup>+12</sup>]. **Litigation** [SBG<sup>+19</sup>]. **Littoral** [DWW12, EJL10, RSI16, WWW15, WS11b]. **Littoral-Zone** [EJL10]. **Live**

[BEH<sup>+</sup>19, Hen15, SVFG10, SLB10, SHS15]. **Live-Release** [SVFG10]. **Live-Well** [BEH<sup>+</sup>19, SHS15]. **Lived** [PC12]. **Lobster** [BC18, LCC<sup>+</sup>15, ZC12, ZC15]. **Local** [BBO16, EWS<sup>+</sup>17]. **Location** [BS10, RPC<sup>+</sup>19, Sam19, SCW<sup>+</sup>17, WKTQ15]. **Locational** [WPS<sup>+</sup>19]. **Locations** [AHAC15, BFL<sup>+</sup>10, BWB18, CCC16, KBH<sup>+</sup>19, Ols19, WSS13]. **Loci** [LR12]. **Lock** [MH11a]. **Logic** [MSHC15]. **Long** [APC<sup>+</sup>14, BCD<sup>+</sup>10, BDC<sup>+</sup>13, HWZ19, HHRB15, KML14, KCRR19, PC12, Pie10, PRRD15, RWPH11, SBC<sup>+</sup>11, YHP10]. **Long-Lived** [PC12]. **Long-Term** [APC<sup>+</sup>14, BCD<sup>+</sup>10, BDC<sup>+</sup>13, HWZ19, HHRB15, KML14, KCRR19, Pie10, PRRD15, RWPH11, SBC<sup>+</sup>11, YHP10]. **Longevity** [FSW18]. **Longitudinal** [MC10, SVPD13]. **Longline** [MFRS11]. **Longnose** [DC13, PC12]. **Lord** [HT11]. **Loss** [BKHS14, Bur11, KBK13b, KPL<sup>+</sup>16, KD10, LKB19, MM18a, SC17, SBG<sup>+</sup>19, WPY<sup>+</sup>15]. **Losses** [GRR<sup>+</sup>17]. **Lost** [AHVJ11, Bur11, BHR<sup>+</sup>15, EHP<sup>+</sup>16]. **Lotic** [MJ11]. **Louisiana** [PKKR10]. **Low** [CBWB14, CCDF18, GAWC10, GBHO11, HKMH10, HGW10, HHR<sup>+</sup>18, JM12a, PNHA12, RRH<sup>+</sup>11]. **Low-** [HHR<sup>+</sup>18]. **Low-Abundance** [PNHA12]. **Low-Conductivity** [HKMH10]. **Low-Cost** [CBWB14]. **Low-Elevation** [JM12a]. **Lower** [SK18a, ZOC<sup>+</sup>14, APPR14, BBD19, EJL10, GMG<sup>+</sup>15, HHR<sup>+</sup>18, JBZ<sup>+</sup>10, KCF15, KSM<sup>+</sup>18, KB11, LO18, MCSF<sup>+</sup>17, MSK19a, RHPH14, SHMJ19a, SHMJ19b, SPK10, SPP12, ZLB10]. **Lower-Mode** [ZOC<sup>+</sup>14]. **Lowland** [TWL<sup>+</sup>17]. **lucumonis** [GFP<sup>+</sup>12]. **Lunar** [Pul17]. **Lures** [SPP<sup>+</sup>18]. **luteiventris** [BKSH<sup>+</sup>12].

**Machine** [CSWP19]. **Mackerel** [SPM15]. **Macroinvertebrate** [FSS<sup>+</sup>10, HMW<sup>+</sup>10, HMCT16]. **Macroinvertebrates** [GKMC15]. **Macrophthalmia** [GRR<sup>+</sup>17]. **Macrophyte** [SS16]. **Madison** [BGW<sup>+</sup>17]. **Madtoms** [CKBP19]. **Magnitude** [HFCH15, MHC10]. **Mail** [OM10]. **Main** [DB13, HER<sup>+</sup>12, KJN<sup>+</sup>17, SEP<sup>+</sup>14, SM19]. **Main-Stem** [DB13, SEP<sup>+</sup>14, SM19]. **Maine** [BC18, CZH<sup>+</sup>19, HB12, MCH12, SZHC15, SDPB17, WBZ19, ZC12, ZC15, ZOC<sup>+</sup>14]. **Majority** [ISC10]. **Make** [JM12b]. **Making** [SLR<sup>+</sup>16]. **Malaclemys** [ASD<sup>+</sup>18]. **Male** [Bal15, BT16, SLG<sup>+</sup>15, SMH17]. **Males** [ISC10]. **Mammal** [BM14, EF10]. **Managed** [MS17a, PDD<sup>+</sup>18, SCS17a, SCMP13]. **Management** [AG11, AW10, AK12, Ano16b, Ano19h, BB19, BGD<sup>+</sup>19, BGBG17, BRA18a, BQR<sup>+</sup>19, BW17, BLM10, BBC<sup>+</sup>13, CvPW15, Can17, CBS<sup>+</sup>12, CA14, CJ14, CBHS16, CAWB17, DBS19, DLP16, DA12, DAKP13, EF10, FF15, FILH15, FJB16, FQ19, FWR<sup>+</sup>15a, GGC17, Gre11, HW12, HTF<sup>+</sup>13, HP14, HWDA12, HMBT16, HB14a, HSHH17, HVW<sup>+</sup>17, HCH13, HWWT15, HPTH18, HT11, JDH16, JBRWH18, KBK13a, KBK13b, LTG<sup>+</sup>11, LBB16, LRHR17, MBBS10, MKBB13, MCP15, McB14, MP14, MS17b, MCSF<sup>+</sup>17, MEJ10, NFQ16, PM14, PCT<sup>+</sup>14, PPO18, RCGF18, RWAJ16, RGOR10, RIMR19, RJMG13, SCS17b, SW17, SDKS16, SCW13, SKBSA11, SOS<sup>+</sup>15, Sta12, SSK18, TPBF15, TSFS19, UML<sup>+</sup>11, WLK<sup>+</sup>16, WQP13, ZDC14]. **Managers** [MBBS10]. **Managing** [Ask16, BKDB17, HGK15, McB14, PJLB14, PLUH19, ZC12].

**Mandatory** [CI10]. **Manipulation** [BRA18a]. **Manistee** [GAH<sup>+</sup>18]. **Manitoba** [SPHK16]. **Manual** [BSTD13, SMH17, TL15]. **Mapping** [ESL<sup>+</sup>15, RWCP11, WA16]. **Margin** [PPO18]. **Marine** [BM14, EF10, McB14, MG10]. **Mark** [BGP10, CHBY13, EKM10, FOH<sup>+</sup>12, HD14, HV18, HUB<sup>+</sup>18, HQ10, KDMH10, MWS15, RFLP14, RHMH15, SC17, VEIW<sup>+</sup>16, WWB<sup>+</sup>17, WEC<sup>+</sup>19, WGM<sup>+</sup>11, YC11, ZEM11]. **Mark-Selective** [CHBY13, YC11]. **Marked** [SFW11, SLSS16]. **Marker** [MSS<sup>+</sup>12]. **Markers** [MWS15, SDF12]. **Market** [Lee12, SC14, WHGC16]. **Marking** [BFLT17, CMF<sup>+</sup>14, CHW12, JDG10, LN12a, LP12, NBP15, SL17b, WGM<sup>+</sup>11, ZC10]. **Markings** [OMT<sup>+</sup>15]. **Marks** [CSH<sup>+</sup>18, MM16]. **Marlin** [GMG16b]. **Martin** [SG13]. **Maryland** [MKK<sup>+</sup>12]. **Marys** [RWAJ16]. **Mass** [BMM<sup>+</sup>12, EKM10, JDG10, OMT<sup>+</sup>15]. **Mass-Marking** [JDG10]. **Massachusetts** [KHDA14]. **Matching** [AW10]. **Material** [KZ12]. **Materials** [RM12]. **Maternal** [AJR<sup>+</sup>19]. **Matter** [Bre13, DLC11]. **Maturation** [FWR<sup>+</sup>15a, HLM<sup>+</sup>18, MSK19b, SLG<sup>+</sup>15, Sta12, SDPB17, TLC<sup>+</sup>19]. **Mature** [BR14]. **Maturity** [BWB18, JF13, LS11, SLMM10, TO10]. **Maumee** [MKWM18]. **Maxillae** [WHV15]. **Maxillary** [MM16, WSA18]. **Maximize** [ASD<sup>+</sup>18, CvPW15]. **Maximum** [BHC<sup>+</sup>10, CI10, DT11, HWB11, HT11]. **Maximum-Count** [HWB11]. **May** [MDM12, SH18]. **McNeil** [POWF11]. **Mean** [CF18]. **Measurably** [RPBM10]. **Measure** [HS12, RBB<sup>+</sup>10b]. **Measured** [MK13]. **Measurement** [AMQSK15, DC13, HDB<sup>+</sup>12, RWT17]. **Measurements** [BGW<sup>+</sup>11, CBHB16, Gur12, Rey15, SL15b]. **Measures** [ACMB<sup>+</sup>14, CHPP11]. **Measuring** [BM14, LM16b]. **Mechanisms** [WFS13]. **Mechanistic** [BB19]. **Media** [HSF18]. **Mediate** [CEP15]. **Medium** [KDMH10]. **Medium-Sized** [KDMH10]. **Meet** [DZ14]. **Melanophore** [MSS<sup>+</sup>12]. **Mendocino** [GWCA10]. **Menhaden** [LBL11, SW17]. **Menippe** [DKSW15, GCLC18]. **mercenaria** [GCLC18]. **Mercury** [LLP10]. **Mesh** [LLW<sup>+</sup>18, WKS<sup>+</sup>10]. **Meta** [HM12]. **Meta-Analysis** [HM12]. **Metacommunity** [HMCT16]. **Metal** [BDT<sup>+</sup>16, PSCL13]. **Metallic** [LMB<sup>+</sup>18]. **Method** [BSS18, DCS11, DZ17, ES17, Ger10, HJB14, MFLS18, OOWW12, PLUH19, RSI16, RWT17, TCG<sup>+</sup>17, WA14, ZM17]. **Methodologies** [VEIW<sup>+</sup>16]. **Methodology** [ABP<sup>+</sup>18, PK18, WCY<sup>+</sup>18, WHC14a]. **Methods** [BA18, CHBY13, CJH16, DSJS16, ETD16, FSW16, FOH<sup>+</sup>12, hGgXfC<sup>+</sup>13, HTPS10, HH10, HCL<sup>+</sup>12, Kae13, KD10, KCCW19, LKB19, LSLC15, McC17, MM18a, NSW16, PN19, PVH<sup>+</sup>13, RHMH15, SCS17a, TGKZ19, WI17]. **Methow** [SMK13]. **Metolius** [RSHS15]. **Metric** [MQJK19]. **Metrics** [HDB<sup>+</sup>12, Kae13, LRHR17, SBDB16]. **Metropolitan** [SK18b]. **Mexico** [AOS<sup>+</sup>17, AES11, BMMMLML15, CK10, FWWTJD16, GGC17, GGCF14, HGW16, JHS15a, PA16, RGC<sup>+</sup>12, RCMB18, RKB15, SC17, SDKS16, SFH<sup>+</sup>13, SKS<sup>+</sup>15, SM14, TSFS19, Vin14, WGS16]. **Michigan** [CBC<sup>+</sup>16, KSL<sup>+</sup>19, WPJ<sup>+</sup>18, BGCF11, BG13, CBC<sup>+</sup>17, DRC17, ESL<sup>+</sup>15, GAH<sup>+</sup>18, HHT<sup>+</sup>13, HWZ19, KRB<sup>+</sup>16, KBH<sup>+</sup>19, LMD<sup>+</sup>19, MD10, MRB<sup>+</sup>11,

NWZ14, PSR16, PDL<sup>+</sup>18, RRH<sup>+</sup>11, SS17, TPBF15, ZW12]. **Microacoustic** [GLH<sup>+</sup>18]. **Microchemistry** [CFG16, DPK<sup>+</sup>17, MPL<sup>+</sup>15]. **Microhabitat** [HLS<sup>+</sup>17, PSB<sup>+</sup>10a, WMB19]. **Microsatellites** [FCE<sup>+</sup>12]. **Microstructure** [DSD<sup>+</sup>13]. **Microtag** [FBL<sup>+</sup>19]. **Mid** [SHL16]. **Mid-Atlantic** [SHL16]. **Middle** [CS17, RPJ18]. **Midwater** [BSS<sup>+</sup>14]. **Midwest** [CBHS16, FSHR17, OH15]. **Midwestern** [BS12, SP13, WSH<sup>+</sup>14]. **Migrant** [CVD<sup>+</sup>14, DBE11, SPM15, WA14]. **Migrants** [Bou10]. **Migration** [BBO16, BSM<sup>+</sup>15, BJ19, CMD12, JM12a, JKN<sup>+</sup>10, KJN<sup>+</sup>17, MMP12, MS18, MHAP13, MCK<sup>+</sup>15, MSK19a, NMG<sup>+</sup>17, PM14, PSB<sup>+</sup>10b, PFD17, RFQ14, TRB<sup>+</sup>13, VKH<sup>+</sup>19]. **Migrations** [EMK<sup>+</sup>17, FK16]. **Migratory** [ABBG13, BGP10, CBHS16, ES14, JPWR10, MJCM15, NCSR17, RH14, SBL<sup>+</sup>12, TWL<sup>+</sup>17, TCG<sup>+</sup>17]. **Mille** [KMPV13]. **Mini** [BSBC14]. **Mini-Fyke** [BSBC14]. **Minimal** [DIK19]. **Minimizing** [BDSB15]. **Minimum** [MIH15, NKC16, SHSCA16, SSP<sup>+</sup>19]. **Minimum-Length** [SHSCA16]. **Minnesota** [GHK17, BCBW18, CSF12, CI10, DFPS10, DWCK16, GHK19, HDM15, ITT10, ISC10, IMM13, KMB<sup>+</sup>12, KMPV13, LAM16, PNWC11, PCT<sup>+</sup>14, Pie10, RS17, SS11a, SF14, SCMP13, Sin18, SQGK10, TS11, WSS13]. **Minnow** [AR12, GHL12, NBP15, PDM12, PSC15]. **Minnows** [PSC15, RPC<sup>+</sup>19]. **Mirror** [SHMJ19b, SHMJ19a]. **Mississippi** [AJ10, DLP16, HBS<sup>+</sup>19, HHS<sup>+</sup>13, LDP<sup>+</sup>10, LKM<sup>+</sup>17, MH11a, PTH<sup>+</sup>10, PVH<sup>+</sup>13]. **Missouri** [FRL16, GMG<sup>+</sup>15, SPK10, SPP12, ABVS14, BFL<sup>+</sup>10, CFG16, GWB<sup>+</sup>10, HPD<sup>+</sup>19, HB10, HPTH18, MOJ12, PVH<sup>+</sup>13, RD10, STP19, SSP<sup>+</sup>19, WCWA10]. **Misunderstood** [ALCD17]. **Mitigation** [CGL18]. **Mitochondrial** [AES11]. **Mixed** [FBC<sup>+</sup>10, HJB14, WHB<sup>+</sup>14, WLK<sup>+</sup>16, ZEM11]. **Mixed-Mode** [WLK<sup>+</sup>16]. **Mixed-Origin** [ZEM11]. **Mixed-Race** [HJB14]. **Mixed-Stock** [FBC<sup>+</sup>10, WHB<sup>+</sup>14]. **Mixing** [WH11]. **Mixture** [GRSF<sup>+</sup>16, MB17, VKH<sup>+</sup>19]. **mm** [BRB<sup>+</sup>17, OL17, SSP<sup>+</sup>19, TPC<sup>+</sup>15]. **Mobile** [BGM17, RFB17, SBL11]. **Mode** [BvPCH17, WLK<sup>+</sup>16, ZOC<sup>+</sup>14]. **Model** [AWG<sup>+</sup>18, BB19, CBS13, CHPP11, DPS<sup>+</sup>17, FHH16, GHK19, HF13, KYD18, MR16, ND15, PSCL13, PHS<sup>+</sup>13, RGH<sup>+</sup>13, RZ10, See11, SCG11a, SC14, SEM14, WHGC16, WHMS14, WEC<sup>+</sup>19, ZKM13]. **Model-Assisted** [MR16]. **Model-Based** [AWG<sup>+</sup>18]. **Modeled** [CSH<sup>+</sup>17]. **Modeling** [AG11, ASD<sup>+</sup>18, BLM<sup>+</sup>11, BSO<sup>+</sup>16, BRA18a, CB10, DMC<sup>+</sup>19, EPM16, McG14, MSHC15, NCSR17, NB10, PP10, SBDB16, SCMP13, SLS16, SMCS14, VKH<sup>+</sup>19]. **Modelling** [BBG19]. **Models** [BBC<sup>+</sup>13, CWH<sup>+</sup>14, CHBY13, DLP16, FTSF13, GRSF<sup>+</sup>16, HP14, HHCH15, HWNR14, McC16, MJ11, MB17, NW12, NEH10, PS10, Pto13, RBP16, SBL<sup>+</sup>18a, SLMM10, SHK<sup>+</sup>17, SPQ12, WH11, WH12]. **Modernizing** [VEIW<sup>+</sup>16]. **Modification** [SHMJ19a, SHMJ19b]. **Modified** [BP14, GMG<sup>+</sup>15, HB12, JJ10, Kro19, SBW<sup>+</sup>16, SS17]. **Mohawk** [DG12, Gur12]. **Mohn** [Der14]. **Moines** [SCWP17]. **Moisture** [SMCS14]. **Molt** [SGF<sup>+</sup>13]. **Monetary** [JBHM19]. **mongolicus** [LXM<sup>+</sup>12].

**Monitoring** [BRB<sup>+</sup>17, BCD<sup>+</sup>10, Bou10, CFBB15, DRG10, DCS11, GWCA10, GTB<sup>+</sup>19, HWFN14, HK17, KCRR19, LCC<sup>+</sup>15, PRRD15, RÅW18, RBB<sup>+</sup>10b, SB15, SKS<sup>+</sup>15, VWB<sup>+</sup>11, VEW<sup>+</sup>13, WDD<sup>+</sup>14, WA14]. **Montana** [BKSH<sup>+</sup>12, BGW<sup>+</sup>17, DB13, FBB18, NEC<sup>+</sup>13, SGC13]. **Montane** [CJA<sup>+</sup>13, HHRB15, PJLB14]. **Month** [APF18]. **Months** [WBF<sup>+</sup>15]. **Moore** [WBGM13, WBF13]. **Mooring** [TMC10]. **Morphological** [CSWP19, CBHB16, DSJS16, MGB<sup>+</sup>14, PVST11]. **Morphology** [DHB<sup>+</sup>10, HWZ19, LMC<sup>+</sup>16, LPY16]. **Morphometric** [LC14]. **Mortality** [APD16, AHVJ11, BSL18, BEK<sup>+</sup>18, BDSB15, BRA<sup>+</sup>18b, BGM17, Bur11, CGDB14, CZH<sup>+</sup>19, CBS<sup>+</sup>12, CSED10, CHBY13, DPS<sup>+</sup>17, DMRJ10, FWWTJD16, GGCF14, GMG16b, HFN11, KSH<sup>+</sup>16, KJN<sup>+</sup>17, KADH15, LXM<sup>+</sup>12, MS16, MG14, MH11a, MS14, MHC10, NKC<sup>+</sup>18, ORA17, PB13, PTH<sup>+</sup>10, PVH<sup>+</sup>13, PTD10, RS11, RPMB19, SHMS16, SC17, SCS17b, SS13a, SB11, SVFG10, SKH<sup>+</sup>16, SPHK16, SBHJ17, SBG<sup>+</sup>19, SEM14, TS11, UWL13, Vin14, WPY<sup>+</sup>15, WS13, WGS16]. **Motivations** [BHHA11, HAW<sup>+</sup>18]. **Mottled** [RHMH15]. **Mountain** [BGW<sup>+</sup>17, Erm12, FSV10, FSV12, IH11, McC15, Nak13, GBFR18, MH11b, PN19, SNTZ14]. **Mountains** [GKMC15, KKM16, RFHP17]. **Mounted** [HHMQ15]. **Mouth** [SBD<sup>+</sup>11]. **Movement** [APAC12, ASL<sup>+</sup>13, BQHR17, BB12, BKP<sup>+</sup>14, DCS<sup>+</sup>16, EBS18, FBD<sup>+</sup>19, GDP14, GKS13, HGW10, HR11a, HH11b, HNPB15, HB14a, HSHH17, HHRB15, MHAO11, MJH17, MMB19, NCJ<sup>+</sup>11, PSB<sup>+</sup>10a, QK11, RBB10a, SSS15, SKBB15, SCB<sup>+</sup>19, WHKB17, YS12, ZS16]. **Movements** [ABBG13, BRB<sup>+</sup>17, CBC<sup>+</sup>17, DHLD11, KHDA14, MAP14, TPF<sup>+</sup>13]. **MS** [CGM13, WWS<sup>+</sup>14]. **MS-222** [CGM13, WWS<sup>+</sup>14]. **Much** [KSM16, RPBM10]. **Mud** [RJMG13]. **Mudsnaails** [SM13, SAF16]. **Mulloway** [BFLT17]. **Multi** [RPJ18, VMA<sup>+</sup>16]. **Multi-Criteria** [VMA<sup>+</sup>16]. **Multi-Lake** [RPJ18]. **Multicompartment** [PRR<sup>+</sup>13]. **Multidecadal** [WFWSV14]. **Multifilament** [SBDB16]. **Multimesh** [Han19]. **Multinomial** [MB17]. **Multiple** [BA11, BFL<sup>+</sup>10, CWH<sup>+</sup>14, MJCM15, NASG12, NMG<sup>+</sup>17, PD13, SHL16, SQP12, WMB<sup>+</sup>15]. **Multiple-Pass** [PD13, SHL16]. **Multiregional** [SL17a]. **Multiscale** [WTB<sup>+</sup>15]. **Multiseason** [GRSF<sup>+</sup>16]. **Multispecies** [Lee12, MSBP10, NW12]. **Multistock** [WQP13]. **Multiyear** [MEJ10]. **Mummichog** [BRSB<sup>+</sup>16]. **Mummichogs** [GRCR10]. **Murray** [HADG10, FWR<sup>+</sup>15b, FWR<sup>+</sup>15a]. **Murrumbidgee** [FWR<sup>+</sup>15b]. **Muscle** [HTPS10]. **Muskellunge** [APD<sup>+</sup>18, AZE<sup>+</sup>18, BCBW18, DWW17, DMC<sup>+</sup>19, EDN10, FILH15, FH16, JHK11, KFM12, KMB<sup>+</sup>12, KMK<sup>+</sup>15, MW19, MWS15, ND15, ORA17, RWPH11, SSE19, SSP18, SWW14, WWW15, WRNJ<sup>+</sup>19, WF17, WDW13, YHP10]. **my** [WPS<sup>+</sup>19]. **mykiss** [HFB<sup>+</sup>13, HHP<sup>+</sup>12b, TRB<sup>+</sup>13]. **Myxobolus** [ZLB10]. **N** [HTPS10, MB17, VKH<sup>+</sup>19]. **N-Mixture** [MB17, VKH<sup>+</sup>19]. **Nahanni** [ASP<sup>+</sup>17]. **Naive** [OOWW12]. **Natal** [CFG16]. **National** [FSS<sup>+</sup>10, GKMC15, HMW<sup>+</sup>10, JBHM19, LSL<sup>+</sup>13, PT15, SK18a, SZKK10]. **Native** [BWHM16, CEP15, CBHS16, CSWW18, DGS<sup>+</sup>11, FBB19,

GMG<sup>+</sup>16a, HW12, HGW16, HB10, HBA<sup>+</sup>12, Kae12, KKM16, ND11, SHMS16, TTS<sup>+</sup>18, WQF15, WMSV18, WGJ10]. **Natural** [BGCS11, BKME17, BKDB17, BWHM16, CSH<sup>+</sup>18, DR19, HFN11, HQ10, KPL12, KPP<sup>+</sup>18, MS16, MSS<sup>+</sup>12, MPM10, OOWW12, RHC<sup>+</sup>14, RCP<sup>+</sup>13, SKBSA11, TRB11, VBBK16, VJK13]. **Natural-Origin** [KPP<sup>+</sup>18, MPM10]. **Naturalized** [KRB<sup>+</sup>16, PNWC11]. **Naturally** [GWB<sup>+</sup>10, JPWR10, PTH<sup>+</sup>10]. **Nature** [BJ19]. **Nature-Like** [BJ19]. **near** [BBO16, DG12, KHBH19, MRA14]. **Nearby** [SSK18]. **Nearshore** [DV17, FWWTJD16, HPM<sup>+</sup>18, SCKZ17, SS17, TFP<sup>+</sup>11, WFWSV14]. **Nebraska** [HHR<sup>+</sup>18, RPHH14]. **Nechako** [MMP12]. **Necropsy** [MHBR19]. **Need** [RFW<sup>+</sup>10, SPQ12, SQP12]. **Needed** [NKC16, RPBM10]. **Needs** [DBK11, SCA11]. **Negatively** [LN12c]. **Neosho** [MMB19, TLSB18]. **Nest** [DLSW12, HBS14a, WS11b]. **Nesting** [LGC11]. **Net** [AS10, Ano12b, BDS<sup>+</sup>11, BM14, BDSB15, BFL<sup>+</sup>10, CSWW18, DHA12, GHL12, JY11, KHBH19, KSMN18, Kro19, LJR11, LLW<sup>+</sup>18, RJMG13, SS11a, SMW16, SR16, SS11b, VKBL11, ZM17, PMP<sup>+</sup>14]. **Net-Covered** [RJMG13]. **Net-Pens** [KSMN18]. **Nets** [AG15, BFN16, BSBC14, CBDW15, GMB10, Han19, SBD<sup>+</sup>11, SBDB16, Sin18, SBW<sup>+</sup>16, SBW<sup>+</sup>17b, SS17, SL12, UWL13, WKS<sup>+</sup>10, ZM17]. **Netting** [Ano12b, JY11]. **Network** [LTG<sup>+</sup>11, VMA<sup>+</sup>16]. **Networks** [BC17, WTB<sup>+</sup>15]. **Neutral** [LR12]. **Neutralizing** [GKMC15]. **Nevada** [FSS<sup>+</sup>10, HMW<sup>+</sup>10, SRFW14, SRFS15, SBVB12]. **Newly** [WH11]. **Nigeria** [Aka10, NEH10]. **Night** [BKME17, CKC<sup>+</sup>12, HDKB10]. **Nighttime** [SFW11]. **Nipigon** [SQGK10]. **Nipissing** [TLL<sup>+</sup>18]. **No** [CCC16, SVD<sup>+</sup>18, SCB<sup>+</sup>19]. **Nonchemical** [PT15]. **Noncompliance** [HF13]. **Nongame** [DR19]. **Nonintrogressive** [PNWC11]. **Nonlethal** [ASP<sup>+</sup>17, BKM19, CJH16, GL16, HTPS10, IWBT10, Ise10, NSW16, TCM19, WSA18]. **Nonmigratory** [SMK13]. **Nonnatal** [CGDB14]. **Nonnative** [ACS19, BQR<sup>+</sup>19, BHG<sup>+</sup>13, CEP15, CDQG12, DGF11, Kae12, KKM16, KQRS16, ND11, NFQ16, PDD<sup>+</sup>18, RFHP17, SHMS16, SMH17, SK18a, SNTZ14, VEW<sup>+</sup>13, WQF15]. **Nonphysical** [MJH17]. **Nonrandom** [AHAC15]. **Nonresident** [LS10]. **Nonselective** [YC11]. **Nonspawning** [LS11]. **NontROUT** [LN12b]. **Nonwadeable** [NQ11]. **Norms** [CGL18]. **North** [FMP19, HH11a, HH11b, HH15, ORA17, AS10, Ano16b, Ano19h, BR14, KFW12, KCCW19, MS17b, MASN16, RH14, SCKZ17, SR16, SBW<sup>+</sup>17b, SD11, WS11b]. **Northeast** [BGCH17, HCH13, Lee12, BM14, SM14, WS11a]. **Northeastern** [KW13, LMD<sup>+</sup>19, SOS<sup>+</sup>15, TCB18]. **Northern** [BKM16, CBHS16, CSWW18, GF18, hGgXfC<sup>+</sup>13, HS19, HKP<sup>+</sup>14, LSM<sup>+</sup>16, LLP10, LN12c, MD10, MCH12, OLOI13, OLM15, ORL<sup>+</sup>16, PC12, Pie10, RFLP14, SDDC16, SF14, SKBSA11, Sta12, TS13, WQF15, FILH15, FH16, GBL<sup>+</sup>13, GHK17, HFH12, HHCH15, HFH18, JHS15a, ND15, RCMB18, RSI16, SC17, SFH<sup>+</sup>13, WGS16]. **Northwest** [ASP<sup>+</sup>17, SMW12, BSS<sup>+</sup>14, CEH<sup>+</sup>15, DCHC13, FBB18, GDLM17, KLR<sup>+</sup>12, MFRS11, RBB<sup>+</sup>10b]. **Northwestern** [HW10]. **Nothing** [Can17]. **Nova** [GBHO11]. **Novel**

[SKBK12]. **Nuclear** [PMP<sup>+</sup>14]. **Nucleotide** [SOS<sup>+</sup>15]. **Nulhegan** [Kra18]. **Number** [McC16]. **Numbers** [SHK<sup>+</sup>17]. **Numerical** [BBG19, OMT<sup>+</sup>15]. **Nunavut** [GD10]. **Nurseries** [WFWSV14]. **Nursery** [PHFK10]. **Nutritional** [JHU<sup>+</sup>13].

**Oahe** [FRL16]. **Objectives** [LBB16, MP14]. **Observational** [BE11]. **Observations** [AR12, BWT<sup>+</sup>13, BSM17, Rey15, SL15b, WBZ19]. **Observed** [DK16, PDD<sup>+</sup>18, SCPC14]. **Obtained** [BMW<sup>+</sup>19]. **Occupancy** [GRSF<sup>+</sup>16, MFLS18]. **Occupying** [DSB19]. **Occurrence** [LS13]. **Occurring** [PTH<sup>+</sup>10]. **Ocean** [CHBY13, YC11, AES11, GSCR11, RKB15, SOS<sup>+</sup>15, TS13]. **Octopus** [RS11]. **Off** [BvPCH17, DC13, MRC12, Mat10, WFWSV14, WBF<sup>+</sup>15]. **Off-Site** [BvPCH17]. **Off-Stream** [MRC12]. **Offs** [SLR<sup>+</sup>16]. **Offshore** [GMG16b, LOS<sup>+</sup>11, SDKS16]. **Offspring** [THQ15]. **Ohio** [KSV<sup>+</sup>10, PCP<sup>+</sup>19, PDH<sup>+</sup>19, RMTW16, SVPD13, SDF12]. **Oil** [RCMB18, SM14]. **Okaloosa** [RTJJ16]. **Okanagan** [AJ13]. **Oklahoma** [SSPP19, SL12]. **On-Site** [MM17, SM10, McC15]. **Oncorhynchus** [DBE11, HFB<sup>+</sup>13, HHP<sup>+</sup>12b, LPY16, TRB<sup>+</sup>13]. **One** [APF18]. **One-** [APF18]. **ongus** [SNT<sup>+</sup>16]. **Onset** [MSS<sup>+</sup>12]. **Ontario** [BS11b, BBL<sup>+</sup>11, CB10, FBM<sup>+</sup>19, FDM<sup>+</sup>13, HFCH15, LOS<sup>+</sup>11, LBF17, SOSL10, TLL<sup>+</sup>18]. **Ontogenetic** [SGCB19]. **Ontogeny** [SB18]. **Open** [APP13]. **Open-Access** [APP13]. **Opening** [DHA12]. **Openings** [CvPW15]. **Operated** [DT11, SPW<sup>+</sup>12]. **Operation** [RJP<sup>+</sup>15]. **Operations** [JKSK13, KRJT13, PPR11, RS18]. **Opercular** [PC12]. **Opinions** [DA12]. **Opportunities** [CKC<sup>+</sup>12]. **Opportunity** [CBHS16]. **Optimal** [ASD<sup>+</sup>18, MM18b, SLP13]. **Optimization** [SOB18]. **Optimizing** [DZ14, LP17]. **Optimum** [BDB<sup>+</sup>19]. **Options** [FJB16, FWR<sup>+</sup>15a]. **Orconectes** [RB15]. **Order** [Ano12b, JY11]. **Oregon** [HHB12, Bri17, CFW<sup>+</sup>10, CCC16, Cle15, DASB16, HR11a, JM12a, JPWR10, JF14, MAM<sup>+</sup>12, MP14, RSHS15, RM14, SHK<sup>+</sup>17, ZLB10]. **Oreille** [BBD19, HHH14, MHDD16]. **Orientation** [Ano12b, CSF12, JY11]. **Oriented** [BHHA11, FH16, Han19, LRHR17]. **Origin** [FCE<sup>+</sup>12, HHP<sup>+</sup>12b, KPP<sup>+</sup>18, MPM10, NCJ<sup>+</sup>11, WPJ<sup>+</sup>18, WBF<sup>+</sup>15, ZEM11]. **Origins** [CFG16, SDF12]. **Osmotic** [LP12]. **Other** [DZ17, HJK11, LMC<sup>+</sup>16, LRHR17, MSK19b, NBP15, WBT17, LDW10]. **Otolith** [BK12, CFG16, DPK<sup>+</sup>17, DSD<sup>+</sup>13, GPP<sup>+</sup>10, HB14b, MPL<sup>+</sup>15, OMT<sup>+</sup>15, RCGF18, SL17b, SPL18, WPJ<sup>+</sup>18]. **Otolith-Chemistry-Based** [WPJ<sup>+</sup>18]. **Otoliths** [BC14, BKM19, CHW12, HM17, IWB10, KMPP12, SBS14, TP17, WS16, WI17, WGM<sup>+</sup>11]. **Ottawa** [Hax15]. **Otter** [TSNH10]. **Outcome** [WP11]. **Outcomes** [FWG15]. **Outdoor** [EKM10]. **Outperforms** [CFBB15]. **Output** [DT11, DTS19]. **Ova** [BMM<sup>+</sup>12]. **Overfishing** [MM18b, PS10, SHSCA16]. **Overlap** [FBB19, KIST16]. **Overshoot** [RS18]. **Overwintering** [PHFK10]. **Owasco** [CJMD10]. **Owned** [HWDA12]. **Oxygen** [KDA<sup>+</sup>18, SM14, UML<sup>+</sup>11]. **Oxytetracycline**

[CHW12, RFLP14, SL17b, WMD<sup>+19</sup>]. **Oyster** [KTN14, WHC12]. **Ozark** [JHB10, MMB19, QK11, RD10, SSP<sup>+19</sup>, TLSB18].

**Pacific** [SOS<sup>+15</sup>, APD<sup>+19</sup>, APC<sup>+14</sup>, BBC<sup>+13</sup>, BWHM16, CGM13, CKC<sup>+12</sup>, CAS16, DZ14, DZ17, DC13, DBE11, DCHC13, FOH<sup>+15</sup>, GDLM17, HR11a, HB11, JM12a, JBHM19, KDP<sup>+10</sup>, KLR<sup>+12</sup>, LS17, LS11, MSW<sup>+14</sup>, MCK<sup>+15</sup>, NTJ<sup>+14</sup>, PG14, RR17, RABK18, RBB<sup>+10b</sup>, TS13]. **Package** [WTB<sup>+15</sup>]. **Pactola** [SDDC16]. **Paddlefish** [BCMB14, CBS13, HPTH18, LSQ12, STP19]. **Pads** [LKV<sup>+17</sup>]. **Paired** [AG15, RWT17, SS17]. **Paired-Laser** [RWT17]. **Pallid** [BFL<sup>+10</sup>, FGS13, JTB16, SPT<sup>+12</sup>, SPK10, SPP12, SWHA15, SH18]. **Palmetto** [DN11, PB13]. **Panel** [Ano12b, JY11, MAM<sup>+12</sup>]. **Panfish** [FSW16, Kro19, LRHR17]. **Panmixia** [JBZ<sup>+10</sup>]. **Panther** [HBS<sup>+19</sup>]. **Parameters** [BDB<sup>+19</sup>, DP13, NW12, WEC<sup>+19</sup>]. **Parastichopus** [HDB<sup>+12</sup>]. **Park** [FSS<sup>+10</sup>, HMW<sup>+10</sup>, PT15, SK18a, GKMC15, SZKK10]. **Parr** [GKT11, HDKB10, JNC<sup>+16</sup>, TRB11, WS11a]. **Partial** [LOV17, RH14, RFQ14, WH11, WH12, WSA18]. **Partial-Year** [WH12]. **Participation** [CB10, RD10, SFH<sup>+13</sup>]. **Partitioning** [JM15]. **Party** [MBPG12]. **Pass** [DP13, HKMH10, JKSK13, KZ12, PD13, SHL16]. **Pass-By** [KZ12]. **Passage** [APD<sup>+19</sup>, APPR14, BG13, CBS<sup>+12</sup>, CKC<sup>+12</sup>, DG12, GLH<sup>+18</sup>, HFRH17, KRJT13, KLR<sup>+12</sup>, MAP14, MSK19a, NMG<sup>+17</sup>, PSCL13, PN19, PQB10, SZHC15, STSH10, SBTW17, SEM14, WA14]. **Passing** [MS18]. **Passive** [AAYC14, BRB<sup>+17</sup>, BR12, Bur11, BSTC13, CHJ<sup>+16</sup>, FOH<sup>+12</sup>, GM12, HHP12a, HUST17, KWMB11, KZ12, MM16, MHG<sup>+11</sup>, NKC<sup>+18</sup>, OL17, SNT<sup>+16</sup>, SLSS16, SKBK12, WF17, WHG<sup>+16</sup>, YHP10]. **Passively** [SMS13]. **Past** [ALCD17, CB10, GBTL14, JHS15b]. **Pathologic** [BDC<sup>+13</sup>]. **Patterns** [ACRBB10, APAC12, BSVB19, BB12, BRSA15, Der14, HAW<sup>+18</sup>, HH11b, HK17, MS18, MMS<sup>+17</sup>, MSC13, MSS<sup>+12</sup>, ND11, OHSP17, RBB10a, RCMB18, SSS15]. **Peacock** [NBFL17]. **Peak** [DT11]. **Pectoral** [HUB<sup>+18</sup>, RPHH14]. **Pedigree** [HBS14a]. **Pee** [HH11a]. **Pelagic** [Han19]. **Pelagic-Oriented** [Han19]. **Pelican** [SRFW14]. **Pelicans** [GHK19, MSK<sup>+16</sup>, TGS<sup>+15</sup>]. **Pellet** [PTD10, TPL18]. **Pellet-Reared** [PTD10, TPL18]. **Penaeid** [RGC<sup>+12</sup>]. **Pend** [BBD19, HHH14, MHDD16]. **Pennsylvania** [DKWG14, SBW<sup>+17a</sup>]. **Penobscot** [SZHC15, ZOC<sup>+14</sup>]. **Pens** [KSMN18]. **Per-Recruit** [DLP16]. **Percentage** [AS10]. **Percentile** [Ger10]. **Perceptions** [SFH<sup>+13</sup>, TDM19]. **Perch** [BK12, DWB<sup>+15</sup>, DRC17, FBB19, FRH10, FWR<sup>+15b</sup>, FWR<sup>+15a</sup>, GBFR18, HTH<sup>+19</sup>, HH12, KWMB11, LSM<sup>+16</sup>, LJR11, LSK<sup>+14</sup>, MIH15, MSK19b, RBB10a, SB11, SPL18, TS13]. **Performance** [APPR14, AHS15, ASL<sup>+16</sup>, BLSS19, BSG10, BTD<sup>+12</sup>, CA14, CMK<sup>+19</sup>, CFW<sup>+10</sup>, CHPP11, DTS19, FHC16, GAWC10, JHS15b, KDP<sup>+10</sup>, KKMS11, KM11, LAM16, MK13, NW12, PSCL13, PDL<sup>+18</sup>, PPFC18, RPC<sup>+19</sup>, RBB<sup>+10b</sup>, RCP<sup>+13</sup>, SC17, SLB10, TCG<sup>+17</sup>, UMC14, WBP13, WALL17, YHP10]. **Periods** [APF18, RMTW16, WMB19]. **Permanently** [IH11]. **Permanganate** [GKMC15]. **Permits** [McC17]. **Persistence**

[BBO16, HSC<sup>+</sup>16, HGK15, MGS14, RFHP17, ZRR<sup>+</sup>19]. **Person** [CFBB15]. **Personal** [DA12, MSHC15]. **Perspectives** [Bea17, BW17, Dag17]. **Peshtigo** [CSED10]. **PHABSIM** [BCD<sup>+</sup>10]. **Pharyngeal** [LKV<sup>+</sup>17]. **Phase** [TCB18, WA14]. **Phenetic** [WBB10]. **Phenology** [PM14]. **Phenotypic** [MKHC17]. **Phocoena** [BM14]. **Photogrammetric** [BGW<sup>+</sup>11, RWT17]. **Photonic** [CMF<sup>+</sup>14]. **Physical** [CC10, HPM<sup>+</sup>18, KHBH19]. **Physiologic** [BDC<sup>+</sup>13]. **Physiological** [BEH<sup>+</sup>19, HBLL12, MGWC13, SBL<sup>+</sup>18b, SCG11b, WWS<sup>+</sup>14]. **Physiology** [HHP<sup>+</sup>12b, RHC<sup>+</sup>14]. **Pickerel** [BCZ<sup>+</sup>18]. **Pickering** [PMP<sup>+</sup>14]. **Pictured** [LSL<sup>+</sup>13]. **Piedmont** [KCS<sup>+</sup>17, KML14, MKBB13]. **Piers** [MCTM14]. **Pike** [BKM16, CBHS16, CSWW18, GF18, HKP<sup>+</sup>14, LLP10, OLM15, ORL<sup>+</sup>16, Pie10, RFLP14, SDDC16, SF14, SKBSA11, WQF15]. **Pikeminnow** [CCDF18]. **Pilot** [GWCA10]. **Pink** [OMT<sup>+</sup>15]. **Pipe** [KZ12]. **Piscicide** [CST<sup>+</sup>18, WMSH13]. **Piscivory** [PM13, SB18]. **PIT** [BF14, BRSB<sup>+</sup>16, CSV13, DBW13, FAW14, HHRB15, KCS<sup>+</sup>17, OHL10, PFWG16, RFKB17, RWPH11, SLSS16, SBL11, TPC<sup>+</sup>15, WS13]. **PIT-Tagged** [OHL10, RFKB17, SBL11, FAW14]. **Pitfall** [SLSS16]. **Pitman** [SEP11]. **Placement** [DBKG14, GH17]. **Plain** [BA18, KML14]. **Plains** [DR19, MSK18]. **Plan** [LTG<sup>+</sup>11]. **Planning** [APC<sup>+</sup>14, BG19, RABK18]. **Plant** [RWCP11]. **Plants** [CMC<sup>+</sup>19, KSV<sup>+</sup>10]. **Plasma** [HPA<sup>+</sup>11]. **Plastic** [SPP<sup>+</sup>18, SNT<sup>+</sup>16]. **Plastic-Infusion-Process** [SNT<sup>+</sup>16]. **Plate** [MRC12]. **Platform** [AM17]. **Platforms** [RCMB18]. **Platte** [HHR<sup>+</sup>18, RPHP14]. **Plausible** [CAS16]. **Point** [LKM<sup>+</sup>17, TKH<sup>+</sup>16]. **Points** [JHU<sup>+</sup>13, PG14, ZKM13]. **Pole** [PP11]. **Policies** [FBM<sup>+</sup>19]. **Pollock** [PSCS11, SC14]. **Polyethylene** [KZ12]. **Polymorphic** [SDF12]. **Polymorphisms** [SOS<sup>+</sup>15]. **Pond** [RJP<sup>+</sup>15, TPL18]. **Pond-Reared** [TPL18]. **Ponds** [BK16]. **Pool** [APD<sup>+</sup>19]. **Pool-and-Weir** [APD<sup>+</sup>19]. **Poor** [BC17, CAS16, WWM13]. **Population** [AK12, AD13, BGCS11, BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, BGD<sup>+</sup>19, BSO<sup>+</sup>16, BRA<sup>+</sup>18b, BRA18a, BRWQ18, BQR<sup>+</sup>19, BBL<sup>+</sup>11, BHG<sup>+</sup>13, CWH<sup>+</sup>14, CBC<sup>+</sup>17, CPM<sup>+</sup>10, CPSG12, DPK<sup>+</sup>17, DFPS10, DGF11, ES14, FH16, FWG15, FJB16, FHL18, GD10, HIS16, HSC<sup>+</sup>16, HHR<sup>+</sup>18, HWNR14, HVW<sup>+</sup>17, HB11, HHH14, HS12, HDM15, JKN<sup>+</sup>10, JHB10, JDG10, JF14, JCB<sup>+</sup>18, KML14, KQRS16, KMPV13, LAA<sup>+</sup>18, LSMD15, LR12, LWJS16, MD10, MS18, MHDD16, MWS15, MCS<sup>+</sup>17, MB17, Nak13, NFQ16, NWZ14, NEC<sup>+</sup>13, ORD19, OHSP17, PLCG13, PDD<sup>+</sup>18, PHS<sup>+</sup>13, PNHA12, PRTS14, PDH<sup>+</sup>19, PPO18, RZ10, SBW<sup>+</sup>17a, SBDB16, SFH12, SCMP13, SRSS12, SRFS15, SBVB12, SPHK16, SZKK10, SPP12, SSP<sup>+</sup>19, SDF<sup>+</sup>13, SPWC15, TTS<sup>+</sup>18, TCM19, TPF<sup>+</sup>13, WDD<sup>+</sup>14, WHB11, WBK<sup>+</sup>10, WBK<sup>+</sup>13, ZEM11, ZWH<sup>+</sup>15]. **Population-Level** [TPF<sup>+</sup>13]. **Population-Specific** [MS18]. **Populations** [AW10, ASL<sup>+</sup>13, ASL<sup>+</sup>16, BCZ17, BW18, BQR<sup>+</sup>19, BSB<sup>+</sup>15, Bri17, BSM<sup>+</sup>15, CAWB17, DRG10, DASB16, DLC11, EWS<sup>+</sup>17, EPM16, GBHO11, GBL15, HVW<sup>+</sup>17, HUST17, HBA<sup>+</sup>12, ITT10, KKM16, KFW12, KSM16, LSQ12, MS16, MW19, MGB<sup>+</sup>14, NKC16, OEZ17, OHSP17, PNWC11,

PRM15, PCP<sup>+</sup>19, RFHP17, RD10, SBL<sup>+</sup>18a, SMH17, SH11, SB15, SCWP17, VWB<sup>+</sup>11, VEW<sup>+</sup>13, WWB<sup>+</sup>17, WKP14, ZRR<sup>+</sup>19, Sin18]. **Porpoise** [BM14]. **Portable** [BDT<sup>+</sup>16, HHRB15, HJK11, KCS<sup>+</sup>17, OHL10, SBL<sup>+</sup>12]. **Portfolio** [JDH16, McB14]. **Portrait** [MG10]. **Possible** [HBS14b, LSC<sup>+</sup>16]. **Post** [GZ13, ITY13, TPF<sup>+</sup>13]. **Post-Release** [ITY13]. **Post-Rescue** [TPF<sup>+</sup>13]. **Post-Spawned** [GZ13]. **Postdrift** [KYD18]. **Posthandling** [CSV13]. **Postrelease** [Bal15, CFW<sup>+</sup>10, GMG16b, KBH<sup>+</sup>19, LFD<sup>+</sup>17, MG14, RCP<sup>+</sup>13, SKH<sup>+</sup>16, SBHJ17, SS11b, TLL<sup>+</sup>18]. **Poststocking** [PTD10, TPL18]. **Potamodromous** [BACRB14, FK16, SRFS15]. **Potamopyrgus** [SAF16]. **Potassium** [GKMC15, SCG11b]. **Potential** [APD16, BZ13, BRS<sup>+</sup>12, BR14, BATK16, BKM19, CCDF18, CMC<sup>+</sup>19, DIK19, FILH15, FCH<sup>+</sup>13, GFC<sup>+</sup>15, HMFT16, HW19, MAM<sup>+</sup>12, MMHM17, RCP<sup>+</sup>13, SHM<sup>+</sup>10, TPF<sup>+</sup>13, WBT17, ZWS<sup>+</sup>19]. **Potomac** [LN12c, OLOI13]. **Pound** [CBDW15, SBD<sup>+</sup>11]. **Powell** [BFS<sup>+</sup>19]. **Power** [CGL18, DRG10, DT11, KSV<sup>+</sup>10, Lee12, SWH<sup>+</sup>16]. **Practical** [BBC<sup>+</sup>13]. **Practices** [HM12, SOBW10, TEB<sup>+</sup>19]. **Prairie** [DBE11]. **Pre** [MHAP13]. **Pre-Spawn** [MHAP13]. **Precision** [BCZ<sup>+</sup>18, BM14, BGW<sup>+</sup>11, BMW<sup>+</sup>19, CWH<sup>+</sup>14, DIK19, DRW<sup>+</sup>18, KNC14, KNS18, OLM15, PC12, SPL18, SL12, SS13b, XM14]. **Predation** [AZE<sup>+</sup>18, DWB<sup>+</sup>15, DBE11, ERC<sup>+</sup>11, EHP<sup>+</sup>16, FOH<sup>+</sup>12, FCH<sup>+</sup>13, FHE<sup>+</sup>12, GZ13, JNC<sup>+</sup>16, KIST16, LFD<sup>+</sup>17, LSK<sup>+</sup>14, MSK<sup>+</sup>16, SAYJ17, SRFW14, TRB11, TGS<sup>+</sup>15]. **Predator** [LFD<sup>+</sup>17, OOWW12, SHMS16, SEB<sup>+</sup>19]. **Predator-Naive** [OOWW12]. **Predators** [OOWW12, WMSV18]. **Predatory** [BR14, HTH<sup>+</sup>19]. **Predict** [BRA18a, GHK19, SCKZ17]. **Predicted** [PDD<sup>+</sup>18]. **Predicting** [BC17, CBS13, CB10, HHCH15, PP11, SLMM10, SCG11a, ZRR<sup>+</sup>19]. **Prediction** [ESL<sup>+</sup>15, WHC14a, WHC14b]. **Predictive** [FTSF13, ND15, Pto13]. **Predicts** [KHBH19]. **Preference** [CSF12, LL12]. **Preferences** [DHH17, GSG18, HHSB13, LM16b, SDKS16, THI<sup>+</sup>19]. **Preferred** [PK18]. **Preliminary** [AZE<sup>+</sup>18, MCH12, PT11]. **Prenant** [WLL<sup>+</sup>15, WALL17]. **prenanti** [WLL<sup>+</sup>15, WALL17]. **Prepositioned** [FK16]. **Prescribed** [CJA<sup>+</sup>13]. **Prescribed-Fire** [CJA<sup>+</sup>13]. **Presence** [BDT<sup>+</sup>16, BWB18, CBS<sup>+</sup>12, MPL<sup>+</sup>15, TPBF15]. **Present** [ALCD17]. **Preservation** [GF18]. **Prespawn** [DPS<sup>+</sup>17, NKC<sup>+</sup>18, WMMB19]. **Pressure** [FSW18]. **Prestocking** [KPL<sup>+</sup>16]. **Prevent** [MM18b]. **Previously** [BHHA11]. **Prey** [DCL19, NSW16, RD10, SL15a, SSP18, WCWA10]. **Prey-Fish** [DCL19]. **Priest** [NFQ16]. **Primary** [BHHA11]. **Prior** [ZWS<sup>+</sup>19, BSM17, McG14]. **Prioritization** [FDHWP16]. **Private** [TSFS19]. **Privately** [HWDA12]. **Proactive** [KACS18]. **Probabilistic** [MJCM15, McC15, PSCL13]. **Probabilities** [MGS14, PSB<sup>+</sup>10b]. **Probability** [BE11, KDMH10, OHL10, RH16, SWHA15, WPS<sup>+</sup>19]. **Probing** [PP11]. **Procedures** [Bal15, CHL13, HBS14a, KDA<sup>+</sup>18]. **Process** [DPS<sup>+</sup>17, SNT<sup>+</sup>16]. **Procypris** [WALL17]. **Produce** [DM12]. **Produced** [BKHS14, GPP<sup>+</sup>10, GWB<sup>+</sup>10]. **Production**

[BCD<sup>+</sup>10, BKHS14, BG19, HFCH15, LSM<sup>+</sup>16, NW12, RPBM10]. **Productivity** [AT18, AJ13, BRBP10]. **Profile** [ASS17, WAW<sup>+</sup>19]. **Profiles** [HLM<sup>+</sup>18]. **Profitability** [RR17]. **Program** [Cle15, GRSF<sup>+</sup>16, HADG10, KPP<sup>+</sup>18, LSL<sup>+</sup>13, LS17, SPQ12, WHGC16]. **Programmatic** [ORC<sup>+</sup>16]. **Programs** [BFLT17, BRA18a, RJC11, RÅW18, SKBSA11]. **Progress** [PSR16]. **Project** [BBG19, ORC<sup>+</sup>16, MPL<sup>+</sup>15]. **Projects** [KCRR19, SEP<sup>+</sup>14]. **Prolonged** [WWS<sup>+</sup>14]. **Propelled** [AG15]. **Proportional** [DN11]. **Proportionally** [PA16]. **Proportions** [WAW<sup>+</sup>19]. **Proposed** [BBC10, BBS19, DN11, GFP<sup>+</sup>12, HL15, NBFL17, BBC11]. **Protect** [RM12]. **Protocol** [Ano12b, JY11, SHL16]. **Protocols** [RBB<sup>+</sup>10b]. **Prototype** [SE12]. **Provide** [ES17, WBG<sup>+</sup>17]. **Proximate** [PHFK10]. **Pseudotolithus** [NEH10]. **Psychological** [LKvR<sup>+</sup>18]. **Public** [LN12b]. **Published** [MS16]. **Puerto** [ASS17, NBFL17, PLCN17]. **Puget** [LPY16, LSLC15, PQB10, RFQ14, TWL<sup>+</sup>17]. **Pulse** [DDD<sup>+</sup>18, SVD<sup>+</sup>18]. **Pulsed** [BBW18, CPSG12, DT11, DP13, DDD<sup>+</sup>18, CC15, HRH10]. **Pulsed-DC** [CC15, HRH10]. **Pumped** [MHR<sup>+</sup>18]. **Pupfish** [CFBB15, KPL12, RW11]. **Purpose** [Sta12]. **Purse** [DRW<sup>+</sup>18]. **Push** [AG15]. **Putative** [FDM<sup>+</sup>13]. **Pyramid** [SRFW14, SRFS15].

**Quality** [BC17, DMC<sup>+</sup>19, LBL11]. **Quantification** [GHK17, LSK<sup>+</sup>14]. **Quantify** [BMM<sup>+</sup>12, DCL19, NCSR17]. **Quantifying** [ACMB<sup>+</sup>14, ASP<sup>+</sup>17, CSWW18, HJB14, HSM<sup>+</sup>18, JBHM19, RSI16, SBL<sup>+</sup>18a, TL15]. **Quantile** [Ran18]. **Quantitative** [HPTH18, Kae13]. **Quantity** [Bre13]. **Quartzville** [RM14]. **Quasi** [BC18]. **Quasi-Stationary** [BC18]. **Quaternary** [SAF16]. **Quebec** [LLP10]. **Quota** [LS17, SF16, WHGC16]. **Quotas** [DZ14, HHCH15, RR17].

**R** [WTB<sup>+</sup>15]. **rabaudi** [WALL17]. **Race** [HJB14]. **Raceway** [MJH17]. **Raceways** [EKM10]. **Radio** [CMD12, DHLD11, DR10, FAW14, NKC<sup>+</sup>18, RFKB17, TGA15, WPS<sup>+</sup>19, YS12]. **Radio-** [DHLD11]. **Radio-Tagged** [CMD12, YS12]. **Radio-Tagging** [DR10]. **Radiotelemetry** [FCE<sup>+</sup>12, FOH<sup>+</sup>15, POWF11]. **Rafael** [BWT<sup>+</sup>13]. **Raft** [FAW14]. **Rafts** [MK13]. **Rainbow** [AKP15, BJZ11, BJ19, CCMA<sup>+</sup>10, DBW13, DBKG14, DZS10, EKM10, Erm12, FRL16, FSV10, FSV12, GBFR18, GZ13, GFC<sup>+</sup>15, HW16, JM15, KKM16, KKMS11, KM11, KEC11, KACS18, LC14, LN12a, MP14, MPL<sup>+</sup>15, MGWC13, MHG<sup>+</sup>11, MSK<sup>+</sup>16, MKHC17, ND11, OEZ17, PNWC11, QK11, SDDC16, SMP<sup>+</sup>14, SKH<sup>+</sup>16, SSPP19, THQ15, WMSV18]. **Rainy** [TS11]. **Raised** [EKM10]. **Rakers** [WSH<sup>+</sup>14]. **Ramp** [PA16]. **Rana** [BKSH<sup>+</sup>12]. **Random** [AHAC15, CSWP19, SSK19, See11]. **Randomly** [SDF12]. **Range** [HB10, KCCW19, PPO18, TTS<sup>+</sup>18]. **Rapid** [BPT<sup>+</sup>19, KHH13, MFLS18, MHAP13, WWP18]. **Rapid-Assessment** [MFLS18]. **Rapidly** [CBWB14, HGK15]. **Rare** [DCS11]. **Rate** [BHN11, BRA18a, BRWQ18, BMMMLML15, CZH<sup>+</sup>19, GF18, GKT11,

HDB<sup>+12</sup>, MQS12, SKH<sup>+16</sup>, SSP18, TRB<sup>+13</sup>, WLK<sup>+16</sup>]. **Rates** [AS10, BCBW18, Bea17, BDH<sup>+14</sup>, BDSB15, CWB16, CSED10, CMWM18, Cle15, CBDW15, CAS16, CC15, DK16, Dag17, DBS19, GBL<sup>+13</sup>, GM12, GMG16b, GMB10, IMM13, LMS<sup>+18</sup>, LLP10, MS16, MM16, McC16, MEL<sup>+12</sup>, MS14, MSK18, Pul17, RS17, RS18, RWPH11, SNT<sup>+16</sup>, SLK15, SFH<sup>+13</sup>, SM10, SEP<sup>+19</sup>, UACZ<sup>+16</sup>, VBT<sup>+12</sup>, WH11, WH12]. **Rathbun** [WFS13]. **Ratio** [DHK<sup>+19</sup>, JF13, SLMM10]. **Ration** [BR14]. **Ratios** [ISC10]. **Ray** [BDT<sup>+16</sup>, HUB<sup>+18</sup>, SH18]. **Rays** [RHPH14]. **Razorback** [HPA<sup>+11</sup>]. **Reach** [LKV<sup>+17</sup>, Pto13]. **Reaches** [DM12, HNPB15, MCK<sup>+15</sup>]. **Reactions** [DR10]. **Reader** [DIK19]. **Reared** [AR12, CGDB14, DBKG14, DDEW18, HB14b, JPWR10, KSL<sup>+19</sup>, MHAO11, MB12, NCJ<sup>+11</sup>, PTD10, PHFK10, SKH<sup>+16</sup>, SSP18, SPK10, SPP12, TPL18, VJK13, WBP13, WMSV18]. **Rearing** [BRBP10, DDEW18, FCH<sup>+13</sup>, HLM<sup>+18</sup>, HQ10, PK18, ZWS<sup>+19</sup>]. **Recall** [APF18, OM10]. **Recapture** [BCBW18, BGP10, FOH<sup>+12</sup>, HD14, HV18, HF13, HUB<sup>+18</sup>, KDMH10, MWS15, RHMH15, SC17, VEIW<sup>+16</sup>, WWB<sup>+17</sup>, WEC<sup>+19</sup>, ZEM11]. **Recapture-Based** [HV18]. **Recaptures** [WH11, WH12]. **Received** [HSM<sup>+18</sup>]. **Receiver** [TMC10]. **Receivers** [BSH10, GH17]. **Recently** [PQB10]. **Recognize** [OOWW12]. **Recolonization** [BPT<sup>+19</sup>, BKP<sup>+14</sup>, WBB10]. **Recommendations** [DCL19, FSHR17, MSK18, STW<sup>+12</sup>]. **Reconditioned** [HFB<sup>+13</sup>]. **Reconnaissance** [ZW12]. **Reconstruction** [CA14, HBS14a]. **Recordings** [MJCM15]. **Recoveries** [FOH<sup>+12</sup>]. **Recovery** [APC<sup>+14</sup>, BG19, ERC<sup>+11</sup>, FWG15, JTB16, KKM16, LAM16, MEL<sup>+12</sup>, PNWC11, PDD<sup>+18</sup>, WBG<sup>+17</sup>, WFWSV14]. **Recreational** [APF18, APP13, AJ13, Ask16, BDH<sup>+14</sup>, BSB<sup>+15</sup>, CZH<sup>+19</sup>, DBK11, DCP<sup>+19</sup>, FF15, FC17, FMP19, FWR<sup>+15b</sup>, GSG18, GMG16b, HWB11, HCL<sup>+12</sup>, HSG16, HF13, HBD<sup>+17</sup>, HHS<sup>+13</sup>, LKvR<sup>+18</sup>, LWJS16, LHS<sup>+14</sup>, LSLC15, LRHR17, MG14, ML13, MBPG12, MMHM17, PLUH19, PA16, RPMB19, SCS17a, SFH12, SFH<sup>+13</sup>, SBC<sup>+11</sup>, See11, SCW13, SBHJ17, SPW<sup>+12</sup>, SM10, TSFS19, VMA<sup>+16</sup>, VPV18, WLK<sup>+16</sup>, WQP13]. **Recreationally** [FJB16]. **Recruit** [CBS13, DLP16, SLR<sup>+16</sup>, SEM14]. **Recruitment** [AKP15, BBO16, DWB<sup>+15</sup>, EDN10, GS CCP18, HHT<sup>+13</sup>, KSG<sup>+18</sup>, RSHS15, RHG12, RHG13, SHSCA16, SKS<sup>+15</sup>, SM14, ZKM13]. **Red** [BMMMLML15, DBJD12, GGC17, GGCF14, GPP<sup>+10</sup>, JHS15a, PA16, RKB15, SC17, SCS17a, SL14, SM14, TSFS19, Vin14, WGS16, WFWSV14, WMD<sup>+19</sup>, LAM16]. **Redband** [BSVB19, MSM<sup>+14</sup>, MAG<sup>+15</sup>, ND11, SLMM10]. **Redbelly** [PFWG16]. **Redd** [GCA<sup>+13</sup>, HS12, KTHM13, LPY16, MSW<sup>+14</sup>, MR16, MPL<sup>+15</sup>, MPM10, PFRM12, VBBK16, WGJ10]. **Redds** [BPB13, FDM<sup>+13</sup>, SLP17]. **Redesigned** [MC10]. **Redfish** [SDPB17]. **Redtail** [LXM<sup>+12</sup>]. **Reduce** [CDQG12, NSW16, PA16, RGOR10, SOB18, SCW13]. **Reduced** [ORL<sup>+16</sup>, Ryp15, SLSS16]. **Reduces** [KACS18]. **Reducing** [FWT14, MSK19b, RCP<sup>+13</sup>, RJMG13, WHC14a, WHC14b]. **Reduction**

[ASD<sup>+</sup>18, FRH10, GFM<sup>+</sup>18, LBL11, Nak13, NKL18, PA16]. **Reductions** [MRA14]. **Reef** [APD16, CGL18, HR11a, JHS15a, MKRH14, PSR16, Pul17, SDKS16, SFH<sup>+</sup>13]. **Reefs** [APD16, WHC12]. **Reference** [APF18, BCZ17, JHU<sup>+</sup>13, PG14, WP11, ZKM13]. **Refined** [BGBG17]. **Refining** [HWB11]. **Reflex** [SBL<sup>+</sup>18b, WBG<sup>+</sup>17]. **Refuge** [AHS15, JHS15b, MD10]. **Refuges** [APD16, KPL12]. **Refugia** [SD11]. **Regimes** [DLP16]. **Region** [JBRWH18, MSS<sup>+</sup>12, PQB10, SHL16]. **Regional** [BW17, EWS<sup>+</sup>17, GWCA10, HHS<sup>+</sup>13, IMM13, KADH15, KTN14, MASN16, RÅW18, ZSW11]. **Registration** [CH17]. **Regression** [Ger10, Ran18]. **Regulated** [MI10, PFD17, Sam19]. **Regulation** [AJ13, JDG10, MMP12, PCP<sup>+</sup>19, PDH<sup>+</sup>19, SHSCA16]. **Regulations** [Ask16, BLM10, CSF12, Car13, DKWG14, DAKP13, EPM16, LWJS16, Pie10, RZ10, SLS16]. **Rehabilitation** [DTA18, MD10, MRB<sup>+</sup>11, PSR16, WP11]. **Reidentification** [MSS<sup>+</sup>12]. **Reintroduction** [BBD19, BSM17, BCMB14, KPP<sup>+</sup>18, MAM<sup>+</sup>12, RW11, ZWS<sup>+</sup>19]. **Reintroductions** [APC<sup>+</sup>14, DGS<sup>+</sup>11]. **Related** [CvPW15, Ger11, HHSB13, RFW<sup>+</sup>10, RFW<sup>+</sup>11, RV12, SCW<sup>+</sup>17, UWL13, WPY<sup>+</sup>15, WFS13, WMMB19]. **Relation** [CS17, HFN11, TWL<sup>+</sup>17]. **Relationship** [BHN11, BK12, DA12, FOH<sup>+</sup>15, HFH12, HFH18, KTN14, LLP10, LM16b]. **Relationships** [GKT11, HDB<sup>+</sup>12, ITT10, JBRWH18, MKK<sup>+</sup>12]. **Relative** [BW18, BS10, DRW<sup>+</sup>18, DLP16, FQ19, KM11, NKL18, RS11, RPC<sup>+</sup>19]. **Release** [BGHL10, BT16, CvPW15, CI10, CFWC11, CCC16, DKWG14, DLSW12, ES17, EBS18, FHC16, FSW18, GBL<sup>+</sup>13, GDP14, GKT11, HR11b, ITY13, IMM13, LM16a, LFD<sup>+</sup>17, MMS<sup>+</sup>17, McC16, MH11a, PB13, RZ10, RSQ<sup>+</sup>19, Sam19, SVFG10, SMP<sup>+</sup>14, SBL<sup>+</sup>18b, TCG<sup>+</sup>17, TLC<sup>+</sup>19, TRB<sup>+</sup>13, TEB<sup>+</sup>19]. **Released** [CFW<sup>+</sup>10, GMB10, KSMN18, LM16a, MGWC13, NCJ<sup>+</sup>11, OOW12, RHC<sup>+</sup>14, RSQH18]. **Releases** [BSG10, JCB<sup>+</sup>18]. **Releasing** [CL12, SMK13]. **Relevant** [CI10]. **Reliability** [RJC11]. **Reliably** [SHL16]. **Relief** [ES17, HR11a, SCKZ17, SMW16]. **Relying** [MB12]. **Remediated** [PN19]. **Remnant** [BZ13, BHG<sup>+</sup>13]. **Remote** [BWB18, HAS<sup>+</sup>19]. **Remotely** [SPW<sup>+</sup>12]. **Removal** [AHVJ11, BPT<sup>+</sup>19, CCMA<sup>+</sup>10, CA11, DVWS10, DKS15, HB14a, HHB12, MPL<sup>+</sup>15, MH11b, PDD<sup>+</sup>18, RHMH15, SFW11, SRSS12, SH18]. **Removals** [DHB<sup>+</sup>10, RH14, TCB18]. **Repeat** [CHDW18]. **Repeat-Spawning** [CHDW18]. **Repeated** [RJP<sup>+</sup>15]. **Repellent** [BWHM16]. **Report** [KFW12]. **Reported** [BGCH17, KCCW19]. **Reporting** [MQS13b, MEL<sup>+</sup>12, MS14, VBT<sup>+</sup>12]. **Representative** [WAW<sup>+</sup>19]. **Reproducibility** [RWCP11]. **Reproduction** [AJR<sup>+</sup>19, BSS<sup>+</sup>17, RTMJ10, SRFS15, SL14]. **Reproductive** [CBHB16, DZS10, DWCK16, HPA<sup>+</sup>11, TS13, VJK13, WMMB19]. **Require** [Rey15, SL15b]. **Requirements** [MSW<sup>+</sup>14]. **Resampling** [MSW<sup>+</sup>14]. **Rescue** [TPF<sup>+</sup>13]. **Research** [HO13, HK17, MI10, TSNH10, WLK<sup>+</sup>16].

**Reserves** [CVD<sup>+</sup>14]. **Reservoir** [BPB13, BS10, CSH<sup>+</sup>17, DSB19, DBK11, DDAS14, FSHR17, GBFR18, HTH<sup>+</sup>19, MMP12, MCP15, NTJ15, NKC16, PJLB14, PBA<sup>+</sup>17, RCGF18, SSK19, SDDC16, STP19, SPL18, SDF12, SK18b, THZ<sup>+</sup>17, WBT17, WCWA10, BBO16, BCMB14]. **Reservoir-River** [DSB19]. **Reservoirs** [BOM16, CFG16, CF18, DM12, DBK11, FBB19, GWB<sup>+</sup>10, HPTH18, HHS<sup>+</sup>13, KML14, KNC14, KM11, LN12b, MKBB13, MSK18, NP12, NKC16, PLCN17, PCP<sup>+</sup>19, SL15a, SL12]. **Residence** [SLB10]. **Resident** [BKP<sup>+</sup>14, HHP<sup>+</sup>12b, WHC12]. **Residential** [LGC11]. **Residualism** [TLC<sup>+</sup>19]. **Residualization** [HM12]. **Resistances** [MK13]. **Resistivity** [SB15]. **Resolution** [KIST16]. **Resolving** [ZEM11]. **Resource** [CSF12, CGL18, DCS<sup>+</sup>16, EWS<sup>+</sup>17, JM15]. **Resource-Conserving** [CGL18]. **Resources** [VEIW<sup>+</sup>16]. **Respond** [OOWW12]. **Response** [ADMC10, ABP<sup>+</sup>18, AJ13, BCRM<sup>+</sup>14b, BJZ11, BRSA15, BHG<sup>+</sup>13, Dag17, DFMP18, DHB<sup>+</sup>10, FSV12, FMA<sup>+</sup>12, FBB18, GGCF14, HGW10, HMW<sup>+</sup>10, HBS14b, KML14, Kra18, ORC<sup>+</sup>16, PPR11, RFW<sup>+</sup>11, RTJJ16, RV12, RJP<sup>+</sup>15, SBL<sup>+</sup>12, SL15b, VPV18, WLK<sup>+</sup>16, WBK<sup>+</sup>13]. **Responses** [BPT<sup>+</sup>19, CEH<sup>+</sup>15, CMC<sup>+</sup>19, HIS16, JTB16, KMB<sup>+</sup>12, KPP<sup>+</sup>18, MSC13, MGWC13, MKWM18, PDD<sup>+</sup>18, PCP<sup>+</sup>19, SWG<sup>+</sup>16, WWS<sup>+</sup>14, WHB11]. **Responsible** [DCP<sup>+</sup>19]. **Restoration** [BZ13, BBG19, BRA18a, CBWB14, CGG<sup>+</sup>18, GAH<sup>+</sup>18, LSL<sup>+</sup>13, MODC10, ORC<sup>+</sup>16, RTJJ16, RPBM10, RÅW18, RABK18, WWP18]. **Restore** [CCMA<sup>+</sup>10]. **Restored** [RGH<sup>+</sup>13, WHC12]. **Restoring** [HFRH17]. **Restrictions** [LS10, Sam16, SL17a]. **Restrictive** [DAKP13, VPV18]. **Restructure** [MCS<sup>+</sup>17]. **Result** [HT11]. **Resulting** [CPM<sup>+</sup>10, DHA12]. **Results** [CC15, GWCA10, HSC<sup>+</sup>16, RHMH15]. **Resurrection** [SJM15]. **Retardation** [SL14]. **Retention** [BSL18, BF14, BA11, BRSB<sup>+</sup>16, BR12, CSV13, CF13, DBKG14, FBL<sup>+</sup>19, GM12, HHP12a, Han19, HW10, HQ10, HBLL12, HUST17, KWMB11, Kro19, LXM<sup>+</sup>12, MM16, MLHS13, MHG<sup>+</sup>11, NLK17, NBP15, PFWG16, RWPH11, RH16, SNT<sup>+</sup>16, SH11, TPC<sup>+</sup>15, WRNJ<sup>+</sup>19, WF17]. **Retrospective** [Der14]. **Return** [McC16, SL15a, SS16]. **Returns** [HLM<sup>+</sup>18, KSMN18, QA16]. **Reveal** [LR12, PCP<sup>+</sup>19]. **Reveals** [CFG16, JDG10, VWB<sup>+</sup>11, WAW<sup>+</sup>19, WWP18]. **Reversion** [ZGW11]. **Review** [ACRBB10, JBRWH18, RÅW18, RABK18]. **Reviewer** [Ano18h, DDD<sup>+</sup>19]. **Revisit** [DRG10]. **Reward** [MEL<sup>+</sup>12]. **Reward-Recovery** [MEL<sup>+</sup>12]. **Rewards** [SC17]. **RFID** [FAW14]. **Rho** [Der14]. **Rich** [DCL19]. **Rico** [ASS17, NBFL17, PLCN17]. **Right** [HBS14b]. **Ring** [GCLC18, RH16, SBS14, SCW<sup>+</sup>17]. **Rio** [AR12, GHL12, ZRR<sup>+</sup>19]. **Riparian** [CBM13, DFMP18, RIMR19]. **Risk** [CJ14, CAS16, HW12, HH12, HL15, PCT<sup>+</sup>14, TRB11]. **Risk-Based** [PCT<sup>+</sup>14]. **Rita** [PKKR10]. **River** [ACRBB10, ASP<sup>+</sup>17, AT18, ALCD17, AD13, AHAC15, AM17, BFP12, BRS<sup>+</sup>12, BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, BBD19, BSS<sup>+</sup>17, BSS<sup>+</sup>14, BSH10, BGD<sup>+</sup>19, BSVB19, BWT<sup>+</sup>13, BGW<sup>+</sup>17, BQR<sup>+</sup>19, BSG10, BSBF13,

BBS18, CSED10, CMMR19, CCC16, Cle15, CDBW17, CJH16, DHLD11, DSB19, DB13, DRW<sup>+18</sup>, DFPS10, DCS<sup>+16</sup>, DMC<sup>+19</sup>, DR19, EJL10, FBD<sup>+19</sup>, FRL16, FWR<sup>+15b</sup>, GD10, GRSF<sup>+16</sup>, GAH<sup>+18</sup>, GKS13, GHK19, Gur12, HDKB10, HP14, HHR<sup>+18</sup>, HPD<sup>+19</sup>, HH11a, HH11b, HLM<sup>+18</sup>, HNPB15, Hax15, HGW16, HPM<sup>+18</sup>, HH15, HHB12, ITY13, JM12a, JPWR10, JKSK13, JNC<sup>+16</sup>, KFM12, KCF15, KRJT13, KTHM13, KDMH10, KEC11, KACS18, KD10, Kra18, LAA<sup>+18</sup>, LSQ12, MAM<sup>+12</sup>, MNYV12, MCK<sup>+15</sup>, MPL<sup>+15</sup>, MRA14, MSM<sup>+14</sup>, MCSF<sup>+17</sup>, NCJ<sup>+11</sup>, ND11, NEH10, NEC<sup>+13</sup>, OHSP17, POWF11, PKKR10, PSB<sup>+10b</sup>, PFD17, PTH<sup>+10</sup>, PRTS14, PDL<sup>+18</sup>]. **River** [PP11, QK11, RCGF18, RSHS15, RS18, RÅW18, RPHH14, Sam16, SBW<sup>+17a</sup>, SPT<sup>+12</sup>, SB15, SZHC15, SMK13, SZKK10, SEP11, SD11, SDL<sup>+15</sup>, SCB<sup>+19</sup>, SPWC15, SCWP17, SBB19, TBH<sup>+14</sup>, TGS<sup>+15</sup>, VWB<sup>+11</sup>, WKS<sup>+10</sup>, WPS<sup>+19</sup>, WBZ19, WHB13, WP11, WHKB17, WTB<sup>+15</sup>, WBK<sup>+10</sup>, WBK<sup>+13</sup>, WBB10, ZLB10, ZOC<sup>+14</sup>, APAC12, ABBG13, AKP15, BRN16, BQHR17, BFL<sup>+10</sup>, BFS<sup>+19</sup>, BPT<sup>+19</sup>, Bur11, BHR<sup>+15</sup>, CFG16, CJ14, CFW<sup>+10</sup>, CBDW15, CAWB17, CHPP11, DPK<sup>+17</sup>, DZS10, DG12, EMK<sup>+17</sup>, EHP<sup>+16</sup>, FHC16, FBC<sup>+10</sup>, FCE<sup>+12</sup>, GDP14, GMG<sup>+15</sup>, GWB<sup>+10</sup>, GHK17, GKT11, HD14, HFB<sup>+13</sup>, HWFN14, HB10, HHRB15, HFRH17, HGK15, JKN<sup>+10</sup>, JBZ<sup>+10</sup>, JF13, JF14, KJN<sup>+17</sup>, KSM<sup>+18</sup>, KSV<sup>+10</sup>, KB11, LKV<sup>+17</sup>, LKM<sup>+17</sup>, LN12c, LO18, MMP12, MH11a, MB12, MSK19a, NTJ<sup>+14</sup>, OLOI13, PTH<sup>+10</sup>, PVH<sup>+13</sup>, PHFK10, PDH<sup>+19</sup>, RH14, RWAJ16, SVPD13, Sin18]. **River** [SEP<sup>+14</sup>, SWH<sup>+16</sup>, SM19, SHMJ19a, SHMJ19b, SPK10, SPP12, SEM14, TPF<sup>+13</sup>, TFH<sup>+16</sup>, TEB<sup>+19</sup>, WA16, WHB13, WCWA10]. **Riverine** [Ano12b, EPM16, JY11, MLEK15, Sam19, SBL<sup>+18a</sup>]. **Rivers** [CKBP19, ESL<sup>+15</sup>, FAW14, KSMN18, MI10, MASN16, NQ11, ORA17, PSB<sup>+10a</sup>, SP13, SS13b, TMC10, WS11a, WSH<sup>+14</sup>, KYD18, LDP<sup>+10</sup>]. **Riverwide** [KSM16]. **RNAlater** [FRH10]. **Road** [PQB10]. **Roads** [MRA14]. **Roanoke** [HH11b, HH15]. **Robust** [VEIW<sup>+16</sup>]. **Rock** [ABVS14, MC10, RD10, Sta12, WALL17]. **Rockfish** [HR11a, HR11b, TS13]. **Rocks** [LSL<sup>+13</sup>]. **Rocky** [HR11a, RFHP17, MH11b, PN19, SNTZ14]. **Roe** [CBS13]. **Roof** [MHBR19]. **Roof-Hooking** [MHBR19]. **Rotary** [BKD<sup>+10</sup>, MHC10, TRB<sup>+13</sup>]. **Rotenone** [BKSH<sup>+12</sup>, BJZ11, Erm12, FSS<sup>+10</sup>, FSV10, FSV12, FBB18, HMW<sup>+10</sup>, HSF18, RB15]. **Round** [NCMT12, PCP<sup>+13</sup>]. **Roundtail** [UMC14]. **Route** [BSBF13, KJN<sup>+17</sup>, MAP14, MSK19a, PSB<sup>+10b</sup>]. **Roving** [MQS13b, SPW<sup>+12</sup>]. **Royale** [SQGK10]. **Rudd** [KFW12]. **Rules** [WWM13, ZC12]. **Run** [BZ13, BWLB12, BCRM<sup>+14a</sup>, BCRM<sup>+14b</sup>, BBS18, CA14, HD14, HWFN14, MS18, PFD17, PRTS14, SM19, TPF<sup>+13</sup>]. **Runs** [Bou10].

**S** [STP19, WMD<sup>+19</sup>, CGM13, FGS13]. **Sablefish** [WHGC16]. **Sacramento** [BGD<sup>+19</sup>, HPM<sup>+18</sup>, NB10, PSB<sup>+10b</sup>, TPF<sup>+13</sup>]. **Safe** [HHCH15]. **Saginaw** [BSB<sup>+15</sup>, FB14, FJB16]. **Saint** [ALCD17, LAA<sup>+18</sup>, SDL<sup>+15</sup>]. **Sales** [HBD<sup>+17</sup>]. **Salish** [AHVJ11]. **Salmon** [APC<sup>+14</sup>, AT18, AZE<sup>+18</sup>, BMM<sup>+12</sup>,

BCRM<sup>+14</sup>a, BCRM<sup>+14</sup>b, BCD<sup>+10</sup>, BS11b, BG12, BG19, BRBP10, BSM17, BGP10, BHC<sup>+10</sup>, BC17, BSG10, BSBF13, BBS18, BKP<sup>+14</sup>, CBWB14, CBS<sup>+12</sup>, CA14, CJ14, CWH<sup>+14</sup>, CSH<sup>+17</sup>, CBC<sup>+16</sup>, CBC<sup>+17</sup>, CCC16, CC10, CHBY13, CHJ<sup>+16</sup>, CMD12, CHPP11, DMRJ10, DBE11, FHC16, FBL<sup>+19</sup>, FDM<sup>+13</sup>, FBC<sup>+10</sup>, FCE<sup>+12</sup>, FOH<sup>+15</sup>, GLCD13, GLH<sup>+18</sup>, GBHO11, GBL15, GDLM17, GL16, GKT11, GCA<sup>+13</sup>, HTF<sup>+13</sup>, HD14, HLM<sup>+18</sup>, HJB14, HPM<sup>+18</sup>, HWFN14, HQ10, HLS<sup>+17</sup>, HRH10, HB11, JM12b, JKN<sup>+10</sup>, JDG10, JF13, JF14, JNC<sup>+16</sup>, JBHM19, JCB<sup>+18</sup>, KHBH19, KSMN18, KJN<sup>+17</sup>, KAZ15, KRB<sup>+16</sup>, KTHM13, KLR<sup>+12</sup>, KPP<sup>+18</sup>, KSL<sup>+19</sup>, MMP12, MS18, MNYV12, MFLS18, MQS12, MQS13a, MQS13b, McC17, MSD11, MSS<sup>+12</sup>, MGB<sup>+14</sup>, MSHC15, MCTM14, MEJ10, MPM10, MHC10, NKC<sup>+18</sup>, NB10, NMG<sup>+17</sup>, OMT<sup>+15</sup>, POWF11, PRM15]. **Salmon** [PSB<sup>+10</sup>b, PFD17, PG14, PHFK10, PRTS14, PPFC18, RGH<sup>+13</sup>, RFQ14, RM14, RPBM10, RABK18, RCP<sup>+13</sup>, SHMS16, SMW16, SZHC15, STSH10, SEP<sup>+14</sup>, SOS<sup>+15</sup>, SM19, SLG<sup>+15</sup>, SCA11, SLP17, TFP<sup>+11</sup>, TBH<sup>+14</sup>, TPC<sup>+15</sup>, VWB<sup>+11</sup>, VEW<sup>+13</sup>, VPV18, VJK13, WS11a, WWS<sup>+14</sup>, WS16, WHMS14, YC11, ZWS<sup>+19</sup>, ZOC<sup>+14</sup>, JM15, JNC<sup>+16</sup>, VWB<sup>+11</sup>]. **Salmonid** [BSM<sup>+15</sup>, GWCA10, HTH<sup>+19</sup>, HW10, HEL<sup>+15</sup>, JBRWH18, ORC<sup>+16</sup>, PRR<sup>+13</sup>, SFW11, SHMJ19b, VEIW<sup>+16</sup>]. **Salmonid-Dominated** [HTH<sup>+19</sup>]. **Salmonids** [ACMB<sup>+14</sup>, BGHL10, BSM17, BBC<sup>+13</sup>, CSWW18, ERC<sup>+11</sup>, FOH<sup>+12</sup>, HTPS10, HJK11, JKSK13, JNC<sup>+16</sup>, MAM<sup>+12</sup>, MC10, MSK19a, PK18, RSQH18, SLB10, SBL11, SD11, WBT17, YS12]. **Saltwater** [BW17, CL12, CHDW18, LS10, LL12, SL17a]. **Sample** [AG15, BvPCH17, BKME17, KKSH12, KQDC19, KNC14, MM17, VKBL11]. **Sampled** [SBW<sup>+17</sup>b, YS12]. **Samples** [ASP<sup>+17</sup>, PP11, WMB<sup>+15</sup>]. **Sampling** [ABP<sup>+18</sup>, BFN16, BDSB15, BSBC14, BGW<sup>+17</sup>, BFL<sup>+10</sup>, BE11, CDBW17, CKBP19, DCS11, DWW12, DP13, DRW<sup>+18</sup>, EJL10, ETD16, FK16, FSW16, GRSF<sup>+16</sup>, HKMH10, HTPS10, HBS14a, JJ10, KQDC19, KNC14, KSM16, LCC<sup>+15</sup>, MQS13a, MJCM15, MSK18, NQ11, NKC16, PBA<sup>+17</sup>, RTMJ10, RPC<sup>+19</sup>, RJC11, SSK19, SBDB16, SEP<sup>+19</sup>, UBR<sup>+17</sup>, UWL13, WKP14, WCY<sup>+18</sup>, WBGM13, XM14]. **Sampling-** [UWL13]. **San** [BGD<sup>+19</sup>, NB10, PSB<sup>+10</sup>b, BWT<sup>+13</sup>, BSBF13, BBS18, CMMR19, ERC<sup>+11</sup>, RGOR10]. **Sand** [AD13, AHAC15, DHB<sup>+10</sup>, SCB<sup>+19</sup>, WBK<sup>+10</sup>, WBK<sup>+13</sup>]. **Sand-Bed** [AD13, AHAC15, SCB<sup>+19</sup>, WBK<sup>+10</sup>, WBK<sup>+13</sup>]. **Sand-Laden** [DHB<sup>+10</sup>]. **sapidissima** [WBZ19]. **sapidus** [AOS<sup>+17</sup>, ASD<sup>+18</sup>]. **Saprolegnia** [SMP<sup>+14</sup>]. **Sardine** [DZ14, DZ17]. **Satisfaction** [BW17, HMD16, MP14, TBIJ19]. **Saturation** [LJR11]. **Sauger** [EBS18, LO18, PDH<sup>+19</sup>, WD10]. **Saugers** [GWB<sup>+10</sup>, Hax15, KB11, MH11a, SVFG10]. **Saugeye** [KSG<sup>+18</sup>, KNS18, SDF12]. **SCA** [FB14]. **Scale** [AW10, Aka10, BSVB19, CZH<sup>+19</sup>, CVD<sup>+14</sup>, HCL<sup>+12</sup>, HMP10, KTN14, MAP14, MSC13, PLCG13, PT11, Pto13, RHG12, SCS17b]. **Scale-** [HCL<sup>+12</sup>]. **Scales** [BKM19, CHDW18, ETD16, IWB10, KMPP12, SQP12, TO10, TP17, WS16].

**Scallop** [SMW12, SBG<sup>+</sup>19, WHC14b]. **Scan** [GHK17, RSI16, VKH<sup>+</sup>19, WA16]. **Scaphirhynchus** [CGG<sup>+</sup>18, PTH<sup>+</sup>10]. **Scenarios** [BGD<sup>+</sup>19, BRA18a, LSC<sup>+</sup>16, SGC13]. **Schedules** [TO10]. **Schizothoracin** [WLL<sup>+</sup>15, WALL17]. **Schizothorax** [WLL<sup>+</sup>15, WALL17]. **School** [MG14]. **School-Size** [MG14]. **Science** [CH17]. **Scientific** [BM14]. **Scotia** [GBHO11]. **Scotty** [PPFC18]. **Screen** [BKD<sup>+</sup>10, GRR<sup>+</sup>17, MRC12, MJH17, RM12, ZS16]. **Screening** [HL15]. **Screens** [BP14, MRC12]. **Screw** [MHC10, TRB<sup>+</sup>13]. **Sculpin** [CC10, RHMH15]. **Sculpins** [TWL<sup>+</sup>17]. **Scylla** [RJMG13]. **Sea** [BDH<sup>+</sup>14, BT16, BWHM16, CS17, HDB<sup>+</sup>12, ILBJ12, JSDJ16, Lee12, MJH17, RWAJ16, SHM<sup>+</sup>10, SMW12, SVD<sup>+</sup>18, SBL<sup>+</sup>12, AHVJ11, SGF<sup>+</sup>13, Sta12, SC14]. **Season** [Bal15, BPB13, CJ14, CMC<sup>+</sup>19, MSK18, PA16, Sam19]. **Season-Specific** [MSK18]. **Seasonal** [BA18, BATK16, HH17, MCK<sup>+</sup>15, RBB10a, SSS15]. **Seasonality** [BRN16]. **Seasons** [RMTW16, TSFS19]. **Seatrout** [DLP16, WBP13]. **Seawalls** [MCTM14]. **Seawater** [GLCD13]. **Secondary** [BRN16, WHC12]. **Sectioned** [WI17]. **Sectioning** [WKTQ15]. **Sedate** [FVH<sup>+</sup>17]. **Sedation** [FMA<sup>+</sup>12, JTB16, KAZ15]. **Sedative** [FGS13]. **Sediment** [HWZ19, SM14, ZW12]. **Sedimentation** [PPFC18, WHC12]. **Segregation** [Bri17, Hax15]. **Seine** [DRW<sup>+</sup>18, TSNH10]. **Seines** [TSNH10]. **Seining** [Mea12, NQ11]. **Seismic** [CDQG12]. **Select** [MSK<sup>+</sup>16]. **Selection** [CJMD10, CHPP11, DTA18, GDP14, HH10, HH11c, HCL<sup>+</sup>12, HLS<sup>+</sup>17, MHAO11, ND15, Ols19, SL15a, SZHC15, SSP18, WWW15, WP11, WS11b]. **Selective** [CBHS16, CHBY13, DHB<sup>+</sup>10, YC11]. **Selectivity** [BCBW18, EF10, GCLC18, HB12, KQDC19, SBDB16, SR16, SBW<sup>+</sup>17b, VKBL11, ZM17]. **Self** [AJ13, BGCH17, JDG10, MQS13b, RJC11]. **Self-Regulation** [AJ13]. **Self-Reported** [BGCH17]. **Self-Reporting** [MQS13b]. **Self-Sampling** [RJC11]. **Semi** [WA14]. **Semi-Automated** [WA14]. **Seminole** [PTD10]. **Sensitivity** [DBK11, MM18a, SC14]. **Sensors** [IH11]. **Separation** [DZS10]. **Septicemia** [PCT<sup>+</sup>14, TPBF15]. **Sequences** [AES11]. **serrata** [RJMG13]. **Serve** [APD16]. **Service** [ESL<sup>+</sup>15]. **Sets** [SS11a]. **Setting** [HHCH15, WP11]. **Settlement** [LCC<sup>+</sup>15, McG14]. **Seven** [RBB<sup>+</sup>10b]. **Several** [Erm12, FSV10, FSV12]. **Severity** [MHBR19, PD13, SCG11a]. **Sex** [CBHB16, DBS19, DHK<sup>+</sup>19, DRC17, FG13, HPA<sup>+</sup>11, ITT10, ISC10, Ise10, JF13, KHH13, LS11, MBPG12, MMHM17, SLMM10]. **Sex-Balanced** [MMHM17]. **Sex-Specific** [DBS19, ITT10]. **Sexual** [MAH<sup>+</sup>13, SLMM10]. **Shad** [ABBG13, BFP12, BZ13, CA11, DSB19, FSHR17, HH11a, HH11b, HH11c, MHR<sup>+</sup>18, NCSR17, NP12, NKL18, TO10, WHB<sup>+</sup>14, WSH<sup>+</sup>14, WBZ19]. **Shadow** [JHB10]. **Shallow** [BSBC14, BMMMLML15, CWB16, CGG<sup>+</sup>18, DCL19, RJP<sup>+</sup>15, SKBSA11, TBH<sup>+</sup>14, TKH<sup>+</sup>16]. **Shallow-Water** [BSBC14, CGG<sup>+</sup>18]. **Shape** [CF13]. **Share** [BWHM16]. **Shark** [CAS16]. **Sharks** [RGC<sup>+</sup>12]. **Shasta** [CSH<sup>+</sup>17, HHB12]. **Shedding**

[LMB<sup>+</sup>18, VBT<sup>+</sup>12]. **Sheepshead** [RCMB18]. **Shelf** [BGCH17]. **Shifting** [LMD<sup>+</sup>19]. **Shifts** [HLS<sup>+</sup>17, SGCB19, WMB19]. **Shiner** [BPQ13, SL14]. **Shoal** [BBS19, GKS13, ITY13, Sam16, TTS<sup>+</sup>18]. **Shocking** [CC15]. **Shore** [SPW<sup>+</sup>12]. **Shore-Based** [SPW<sup>+</sup>12]. **Shoreline** [BHR<sup>+</sup>15, DV17, SCKZ17]. **Shoreline-Spawning** [BHR<sup>+</sup>15]. **Short** [BEK<sup>+</sup>18, Bur11, CvPW15, FWWTJD16, GM12, HUST17, LBL11, MQS13a, PPR11, RLC12, SS11a, SBL<sup>+</sup>18b, VMC<sup>+</sup>11, YHP10]. **Short-** [YHP10]. **Short-Duration** [MQS13a]. **Short-Term** [BEK<sup>+</sup>18, Bur11, FWWTJD16, GM12, HUST17, LBL11, PPR11, RLC12, SS11a, SBL<sup>+</sup>18b, VMC<sup>+</sup>11]. **Shortnose** [BFP12, CHL13, CHW12, EHP<sup>+</sup>16, SL17b, SBL<sup>+</sup>18b, UWL13]. **Should** [HHP<sup>+</sup>12b, Hen15, HBS14b]. **Shovelnose** [HHP12a, HHR<sup>+</sup>18, KCF15, PVH<sup>+</sup>13, RPH14, SPT<sup>+</sup>12, TGKI10]. **Show** [GMB10, OHSP17]. **Shows** [LMC<sup>+</sup>16]. **Shrimp** [GGC17, HB12, Mat10, MCH12, RGC<sup>+</sup>12]. **Siberian** [BDC<sup>+</sup>13]. **Side** [GHK17, RSI16, SD11, VKH<sup>+</sup>19, WA16]. **Side-Channel** [SD11]. **Side-Scan** [GHK17, RSI16, VKH<sup>+</sup>19, WA16]. **Signal** [HSM<sup>+</sup>18]. **Signatures** [GPP<sup>+</sup>10, HTPS10]. **Significantly** [See11]. **Siltation** [CF13]. **Silver** [BGBG17, CSWP19, CDBW17, CVD<sup>+</sup>14, HPD<sup>+</sup>19, LDP<sup>+</sup>10, LKV<sup>+</sup>17, RSLG10, RJP<sup>+</sup>15, SP13, SPWC15, SCWP17, WSH<sup>+</sup>14]. **Silvery** [AR12, GHL12, NBP15]. **Similarities** [HEL<sup>+</sup>15]. **Simple** [DSJS16, FDHWP16, RBB10a]. **Simulated** [CBS<sup>+</sup>12, GLH<sup>+</sup>18, GRCR10, KB10, KDA<sup>+</sup>18, LMS<sup>+</sup>18, LBL11, RSQ<sup>+</sup>19, SMH17, SFH12, WHB11]. **Simulating** [PNWC11]. **Simulation** [CJ14, DMC<sup>+</sup>19, FHH16, MR16, RHMH15, SLS16, WHC14a, AHS15]. **Simulation-Based** [CJ14]. **Simultaneous** [YC11]. **Simultaneously** [Sin18]. **Single** [Ger10, SHL16, SB15, SOS<sup>+</sup>15]. **Single-Channel** [SB15]. **Single-Unit** [SHL16]. **Site** [BvPCH17, CSF12, ETD16, HR11a, HWNR14, JHK11, KWMB11, KB10, MM17, ND15, SM10, WF17, WS11b, McC15]. **Site-Specific** [HWNR14]. **Sites** [DHH17, HH10, HH11a, HW19, RMTW16]. **Situ** [RWT17, TGKZ19]. **Six** [HW10, MG10, RCGF18]. **Six-Decade** [MG10]. **Size** [ASD<sup>+</sup>18, Ask16, BCBW18, BvPCH17, BCZ17, BSS18, Bou10, BJZ11, BMMMLML15, CSWW18, CF13, DHK<sup>+</sup>19, DN11, EF10, FH16, FHC16, GSCR11, GZ13, GKT11, HD14, HDB<sup>+</sup>12, Han19, HB12, HS12, JWC10, JHS15a, KQDC19, LXM<sup>+</sup>12, MAHO11, MG14, MM17, MWS15, MM18b, OEZ17, ORL<sup>+</sup>16, PW13, PPO18, RSLG10, RLC12, RH16, Ryp15, SOB18, Sam19, SBDB16, SKH<sup>+</sup>16, SR16, SZHC15, SCW<sup>+</sup>17, SPP12, SDF<sup>+</sup>13, TWL<sup>+</sup>17, TLC<sup>+</sup>19, THZ<sup>+</sup>17, WF17, ZM17]. **Size-Bias** [SR16]. **Size-Dependent** [GZ13, Han19, LXM<sup>+</sup>12]. **Size-Graded** [Ask16]. **Size-Sorting** [HB12]. **Size-Specific** [BSS18]. **Sized** [KDMH10, LMS<sup>+</sup>18, MSK<sup>+</sup>16]. **Sizes** [BSTC13, KWMB11, KNC14, PFWG16]. **Skate** [DC13, HCH13]. **Skeena** [BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, PRTS14]. **Skews** [DHK<sup>+</sup>19]. **Skipper** [SF16]. **Sleeper** [CAS16]. **Slimy** [CC10]. **Slot** [WBZ19]. **Slow** [ZWH<sup>+</sup>15]. **Slow-Growing** [ZWH<sup>+</sup>15]. **Sluiceway** [JKSK13, KRJT13]. **Small**

[Aka10, AD13, BS12, BACRB14, BGW<sup>+</sup>11, FBL<sup>+</sup>19, HWDA12, HHRB15, HKP<sup>+</sup>14, KCS<sup>+</sup>17, LN12a, LDW10, LCR19, MC10, MOJ12, NKL18, OHL10, OL17, RGC<sup>+</sup>12, RS17, RPC<sup>+</sup>19, SCS17a, SFW11, SNTZ14, SBL11, SE12, SEP<sup>+</sup>19, TO10, WS11b, WBK<sup>+</sup>10, WBK<sup>+</sup>13, WWD13]. **Small-Bodied** [AD13, KCS<sup>+</sup>17, RPC<sup>+</sup>19, WBK<sup>+</sup>10, WBK<sup>+</sup>13, BGW<sup>+</sup>11]. **Small-Scale** [Aka10]. **Smallmouth** [BKME17, BKM19, BE11, Bre13, BEH<sup>+</sup>19, DWB<sup>+</sup>15, HGW10, HB14b, KB10, MMB19, MB17, SBW<sup>+</sup>17a, SBL<sup>+</sup>18a, SHK<sup>+</sup>17, SSP<sup>+</sup>19, TLSB18, WMB19, WCWA10]. **Smartphone** [McC17]. **Smelt** [CMF<sup>+</sup>14, CSH<sup>+</sup>18, FRL16, GZ13, LC14, LSLC15, OEZ17, WHG<sup>+</sup>16]. **Smoky** [GKMC15]. **Smolt** [AZE<sup>+</sup>18, BCD<sup>+</sup>10, GKT11, HLM<sup>+</sup>18, MHC10, RPBM10]. **Smolt-to-Adult** [HLM<sup>+</sup>18]. **Smolting** [SLG<sup>+</sup>15, ZOC<sup>+</sup>14]. **Smolts** [FHC16, GKT11, JPWR10, NMG<sup>+</sup>17, STSH10]. **Snake** [KEC11, KACS18, MSM<sup>+</sup>14, RS18, BSG10, CFW<sup>+</sup>10, CAWB17, GKT11, HGK15, KD10, MCK<sup>+</sup>15, MSK19a, NTJ<sup>+</sup>14, PHFK10]. **Snakehead** [hGgXfC<sup>+</sup>13, LN12c, OLOI13]. **Snapper** [FWWTJD16, GGC17, GGCF14, GPP<sup>+</sup>10, GSCR11, JHS15a, PA16, RKB15, SC17, SCS17a, SM14, TSFS19, Vin14, WGS16]. **Snook** [BA11]. **Snorkel** [SCPC14, WKP14]. **Snorkeling** [HDKB10, KDMH10, PLUH19, UBR<sup>+</sup>17]. **Snorkeling-Based** [PLUH19]. **Snow** [SGF<sup>+</sup>13]. **SNPs** [SOS<sup>+</sup>15]. **Soak** [CS17, LJR11]. **Social** [ASS17, CH17, HSG16, LTG<sup>+</sup>11]. **Society** [PBA<sup>+</sup>17, UBR<sup>+</sup>17]. **Sociodemographics** [SDKS16]. **Sockeye** [BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, BRBP10, CHPP11, GKT11, HTF<sup>+</sup>13, KHBH19, MMP12, PHFK10, PRTS14, SCA11]. **Soft** [MLHS13, SPP<sup>+</sup>18]. **Sole** [DDD<sup>+</sup>18, Sta12]. **Solea** [DDD<sup>+</sup>18]. **Solution** [FRH10]. **Some** [Bea17, Dag17, SC14, ZEM11]. **Something** [Can17]. **Sonar** [BOM16, GHK17, HHMQ15, MLEK15, PNHA12, RSI16, VKH<sup>+</sup>19, WA16]. **Sonars** [HH15]. **Sonic** [CHL13]. **Sorting** [DHK<sup>+</sup>19, HB12]. **Sound** [ABP<sup>+</sup>18, LPY16, LSLC15, MJH17, WCY<sup>+</sup>18, PQB10, RFQ14, TWL<sup>+</sup>17]. **South** [BKME17, JWC10, SDDC16, ASP<sup>+</sup>17, CWB16, DWB<sup>+</sup>15, DBJD12, DCS<sup>+</sup>16, GRCR10, HH11a, HB14a, LPY16, MNYV12, SGCB19, WHC12]. **Southeast** [CL12, DWCK16, MS17a, MBM13, RIMR19]. **Southeastern** [FBB19, GMB10, ADD14, FMP19, ORD19, RKB15]. **Southern** [AK12, FTSF13, PFWG16, SCS17b, SS11b, BMMMLML15, DK16, FWG15, GBHO11, HADG10, KKM16, PSR16, RFHP17, TDM19]. **Southwest** [CJA<sup>+</sup>13]. **Southwestern** [BKSH<sup>+</sup>12]. **Space** [CWH<sup>+</sup>14, MQJK19]. **Spanish** [SPM15]. **Spatial** [AOS<sup>+</sup>17, BFL<sup>+</sup>10, Bri17, Hax15, HB14a, KTHM13, KSL<sup>+</sup>19, MSW<sup>+</sup>14, MSBP10, PDH<sup>+</sup>19, RHG12, SC17, SSK19, SCS17b, SQP12, TO10, WDD<sup>+</sup>14, WSH<sup>+</sup>14, WHC14a, WHC14b, WBF13]. **Spatially** [CBC<sup>+</sup>16, RPJ18, WQP13]. **Spatiotemporal** [DDAS14, DGF11, FTSF13, HK17, NP12]. **Spawn** [CHDW18, LPY16, MHAP13]. **Spawned** [GZ13]. **Spawner** [GAWC10, MNYV12]. **Spawners** [SLR<sup>+</sup>16, TFH<sup>+</sup>16]. **Spawning** [AOS<sup>+</sup>17, AKP15, BZ13, Bal15, BPB13, BACRB14, BC17, BWR12, BHR<sup>+</sup>15,

CJMD10, CFBB15, CHDW18, CMD12, CF13, DB13, DHA12, FDM<sup>+</sup>13, GHL12, GHK17, GCA<sup>+</sup>13, HH10, HH11a, HH11c, JM12a, KHBH19, KBH<sup>+</sup>19, LKM<sup>+</sup>17, LBF17, MRB<sup>+</sup>11, MKRH14, MPM10, ND15, PK18, PRRD15, RSI16, STP19, SRSS12, SM19, SSK18, TPF<sup>+</sup>13, VJK13, VKH<sup>+</sup>19, WA16, WBH13, WGJ10, ZDC14]. **Spears** [SF14]. **Spearing** [MSE<sup>+</sup>18]. **Specialization** [HM18]. **Specialized** [BHHA11, HBS<sup>+</sup>19]. **Species** [BPQ13, BFN16, CAS16, DCP<sup>+</sup>19, FMP19, GPLT12, GTB<sup>+</sup>19, HB15, HR11a, HMP10, HL15, HEL<sup>+</sup>15, LMC<sup>+</sup>16, LSC<sup>+</sup>16, LM16b, McB14, MJCM15, MOJ12, PLCG13, RWAJ16, RPC<sup>+</sup>19, SPQ12, SQP12, SBW<sup>+</sup>17b, SLP17, UMC14, ZWS<sup>+</sup>19]. **Specific** [BSS18, CCDF18, DBS19, FWR<sup>+</sup>15a, HWNR14, HWFN14, ITT10, MS18, MSK18, SB11, SBL11, TBH<sup>+</sup>14]. **Specified** [OI17]. **Speckled** [NBFL17]. **Spectra** [SWG<sup>+</sup>16]. **Spill** [SM14]. **Spines** [BKM19, CHW12, IWB10, MH13, WKTQ15, WI17, WD10]. **Spiny** [BR14]. **Split** [HH15]. **Split-Beam** [HH15]. **Splitter** [SE12]. **Sport** [AJ10, CL12, FMA<sup>+</sup>12, GBL<sup>+</sup>13, HADG10, HPTH18, LDW10, LL12, MQS13b, MM18a, MS14, MOJ12, NKC16, PKKR10, RD10]. **Sportfishing** [CB10, LS10, LM16b, OM10, SL17a]. **Spot** [BRSB<sup>+</sup>16]. **Spotted** [BKSH<sup>+</sup>12, DLP16, GKS13, WBP13]. **spp** [DKSW15, DBE11, FOH<sup>+</sup>15]. **Spread** [ACMB<sup>+</sup>14]. **Spreading** [HW12]. **Spring** [CMD12, ISC10, Ise10, JHK11, JF13, KPP<sup>+</sup>18, MPM10, PSC15, RM14, SLG<sup>+</sup>15, WBF<sup>+</sup>15]. **Springtime** [HAS<sup>+</sup>19]. **Squalius** [GPLT12, GFP<sup>+</sup>12]. **St** [BSB<sup>+</sup>15]. **St.** [KYD18, RWAJ16]. **Stability** [HK17, VWB<sup>+</sup>11]. **Stable** [BSH10, FDM<sup>+</sup>13, HTPS10, THQ15, WGM<sup>+</sup>11]. **Stage** [CSED10, CBHB16, PTH<sup>+</sup>10]. **Stages** [CMD12, DDD<sup>+</sup>18, DSD<sup>+</sup>13]. **Standard** [BBC10, BBC11, BBS19, CK10, DP13, Ger10, Ger11, GPLT12, GFP<sup>+</sup>12, MSK18, PBA<sup>+</sup>17, PCP<sup>+</sup>19, RFW<sup>+</sup>10, RFW<sup>+</sup>11, RV12, SR16, SBL11, SBW<sup>+</sup>17b, UBR<sup>+</sup>17]. **Standardization** [RFW<sup>+</sup>10]. **Standardized** [ETD16, GRSF<sup>+</sup>16, KNC14, MH13, THZ<sup>+</sup>17]. **State** [Aka10, CWH<sup>+</sup>14, SJM15, AHVJ11, KHDA14, PQB10]. **State-Space** [CWH<sup>+</sup>14]. **Stated** [LL12]. **States** [ADD14, BW17, McB14, MAG<sup>+</sup>15, ORD19]. **Statewide** [HRKB19, MS14, SSP<sup>+</sup>19]. **Static** [Ask16, SFH12]. **Station** [LCC<sup>+</sup>15, MHAP13, MAP14, PMP<sup>+</sup>14]. **Stationary** [BRB<sup>+</sup>17, BC18]. **Statistical** [FC17, FB14, HP14]. **Status** [BG12, DFPS10, FDM<sup>+</sup>13, GWCA10, GS CCP18, Gre11, HER<sup>+</sup>12, HB11, JHU<sup>+</sup>13, MSM<sup>+</sup>14, MAG<sup>+</sup>15, SPQ12, SWH<sup>+</sup>16, TLC<sup>+</sup>19]. **Stay** [HHP<sup>+</sup>12b]. **Steady** [GDP14]. **Steelhead** [APPR14, APC<sup>+</sup>14, BS11a, BWLB12, BKHS14, Bou10, Bri17, CMWM18, CSH<sup>+</sup>17, CFW<sup>+</sup>10, CFWC11, Cle15, CAWB17, CHDW18, DK16, FBD<sup>+</sup>19, FCH<sup>+</sup>13, HDKB10, HFB<sup>+</sup>13, HM12, HQ10, HLS<sup>+</sup>17, JPWR10, KRJT13, KDMH10, MR16, MPL<sup>+</sup>15, NWZ14, PNWC11, PNHA12, PDL<sup>+</sup>18, Pto13, RS18, RPBM10, RABK18, SPS16, SMK13, TRB11, TCG<sup>+</sup>17, TLC<sup>+</sup>19, THQ15, TFH<sup>+</sup>16, TEB<sup>+</sup>19, WSS13, WWB<sup>+</sup>17, WPJ<sup>+</sup>18, WMMB19, WBB10]. **Stem** [DB13, KJN<sup>+</sup>17, SEP<sup>+</sup>14, SM19, SS16]. **Sterile** [BT16]. **Sterile-Male**

[BT16]. **Sterility** [ZGW11]. **Stewardship** [LKvR<sup>+</sup>18]. **Still** [CI10, DMRJ10]. **Stimulation** [SVD<sup>+</sup>18]. **Stock** [ADD14, BZ13, BFLT17, BSB<sup>+</sup>15, CDD<sup>+</sup>11, DBS19, DZ14, Der14, DLP16, DC13, FB14, FHH16, FBC<sup>+</sup>10, GS CCP18, HMBT16, HJB14, HWFN14, LBB16, McB14, PLCG13, PLUH19, SRCC<sup>+</sup>18, SLG<sup>+</sup>15, Sta12, TBH<sup>+</sup>14, WHB<sup>+</sup>14, WAW<sup>+</sup>19, ZKM13]. **Stock-Specific** [HWFN14, TBH<sup>+</sup>14]. **Stocked** [BSS<sup>+</sup>17, BTD<sup>+</sup>12, CGDB14, CMK<sup>+</sup>19, CCDF18, DHK<sup>+</sup>19, FHE<sup>+</sup>12, HB15, HMD16, HM18, KRB<sup>+</sup>16, KML14, KKMS11, KM11, LAM16, LN12b, LSK<sup>+</sup>14, ORA17, PNWC11, PSR16, QA16, SDDC16, SKBSA11, SDF<sup>+</sup>13, ZOC<sup>+</sup>14]. **Stocked-Trout** [HMD16, HM18]. **Stocking** [APP13, CVD<sup>+</sup>14, DBJD12, DWW17, FSHR17, HS19, HBA<sup>+</sup>12, HADG10, LOS<sup>+</sup>11, LC14, LSL<sup>+</sup>13, LP17, Ols19, PT11, RS17, SMH17, SKBSA11, SSPP19, SDF12, TPB<sup>+</sup>16, WSS13]. **Stocks** [APD<sup>+</sup>18, DZ17, DWW17, VEW<sup>+</sup>13, WFWSV14]. **Stomach** [LMS<sup>+</sup>18, NSW16]. **Stone** [DKSW15, GCLC18]. **Stonecats** [PPO18]. **Storage** [MHR<sup>+</sup>18]. **Strain** [PNWC11, SBVB12]. **Strains** [PDL<sup>+</sup>18]. **Stranded** [BS11a]. **Stranding** [TPF<sup>+</sup>13]. **Strategic** [Kra18, LTG<sup>+</sup>11]. **Strategies** [APP13, BB19, CA14, CA11, CBHS16, CPSG12, DS12, HS19, KFM12, NFQ16, SH11, WHMS14]. **Strategy** [BDSB15, RJMG13, TRB<sup>+</sup>13]. **Stratified** [SSK19]. **Straying** [CFWC11, CCC16, HWFN14]. **streaked** [SNT<sup>+</sup>16]. **Stream** [ACMB<sup>+</sup>14, ACS19, BACRB14, BP15, CBM13, DHB<sup>+</sup>10, ETD16, Erm12, FDHWP16, FSV10, FSV12, GDLM17, HKMH10, HMP10, HWZ19, HK17, HHRB15, JSDJ16, KSH<sup>+</sup>16, KCS<sup>+</sup>17, MSFS12, MS17a, Mea12, MRC12, MHG<sup>+</sup>11, MMB19, MB17, MKK<sup>+</sup>12, Nak13, NWZ14, ORC<sup>+</sup>16, POWF11, PFRM12, RGH<sup>+</sup>13, RTJJ16, RD10, RBB<sup>+</sup>10b, RIMR19, SRSS12, SBC<sup>+</sup>11, SLB10, SBL11, SMS13, TRB11, WHMS14, WKP14, ZSW11]. **Stream-Dwelling** [ETD16, JSDJ16, KSH<sup>+</sup>16, MHG<sup>+</sup>11, MB17, PFRM12, SMS13]. **Streamflow** [HWNR14, HB16]. **Streamflows** [KLR<sup>+</sup>12]. **Streams** [AJ10, BB19, BS11a, BBB<sup>+</sup>14, BHN11, BE11, BG13, CEH<sup>+</sup>15, CBWB14, DP13, DKWG14, DWCK16, DTA18, DCHC13, FSS<sup>+</sup>10, HM17, HMW<sup>+</sup>10, HAS<sup>+</sup>19, HW10, HWZ19, IH11, JHB10, KKM16, KW13, MRA14, MH11b, MKK<sup>+</sup>12, NCMT12, OHL10, PN19, PP10, QA16, RFKB17, RHMH15, SFW11, SLMM10, SHL16, SNTZ14, SPQ12, SQP12, SSP<sup>+</sup>19, TWL<sup>+</sup>17, WMB19, WWP18, ZW12]. **Streamsid e** [MHAO11]. **Streamsid e-Reared** [MHAO11]. **Strength** [FC17, Gur12, HFH12, HFH18, HSM<sup>+</sup>18, LMS<sup>+</sup>18, LOV17, NTJ15]. **Stress** [NBP15, SCG11b, WWS<sup>+</sup>14]. **Striped** [ADD14, ALCD17, AZE<sup>+</sup>18, BRA<sup>+</sup>18b, BRA18a, CGDB14, JHU<sup>+</sup>13, KHDA14, LAA<sup>+</sup>18, LHS<sup>+</sup>14, SHMS16, SG13]. **Stripes** [WBT17]. **Strobe** [FWT14, SWW14]. **Strong** [DS12]. **Structural** [DDAS14, KDP<sup>+</sup>10, SS16, WWW15]. **Structure** [APPR14, ADD14, BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, BS10, BSVB19, BRBP10, CSWW18, DPK<sup>+</sup>17, EWS<sup>+</sup>17, FH16, FQ19, HMBT16, HW16, HMCT16, JWC10, JF14, LSMD15, LR12, LTG<sup>+</sup>11, MNYV12, McB14,

NEC<sup>+</sup>13, ORD19, OEZ17, ORL<sup>+</sup>16, OHSP17, PW13, PRTS14, PRRD15, Ryp15, SBW<sup>+</sup>17a, SQGK10, TTS<sup>+</sup>18, TLSB18, THZ<sup>+</sup>17, WSA18].

**Structured** [FC17, FJB16, GWB<sup>+</sup>10, RZ10, WQP13]. **Structures** [ABVS14, BCZ<sup>+</sup>18, BKM16, BMW<sup>+</sup>19, CPM<sup>+</sup>10, KNS18, OLM15, SP13, SBTW17, SS13b, TP17, WMD<sup>+</sup>19, ZWH<sup>+</sup>15]. **Studies** [HMP10, Rey15, SL15b]. **Study** [ACMB<sup>+</sup>14, BACRB14, BT16, BWR12, CWH<sup>+</sup>14, DASB16, ES17, FJB16, GWCA10, GHK19, MKBB13, MEL<sup>+</sup>12, MWS15, MCH12, MSK19a, MEJ10, MHC10, RWAJ16, RGOR10, SBL<sup>+</sup>18a, SDF12, ZEM11]. **Sturgeon** [BFP12, BRS<sup>+</sup>12, Bal15, BBG19, BGD<sup>+</sup>19, BDC<sup>+</sup>13, BDT<sup>+</sup>16, BFL<sup>+</sup>10, CSED10, CBHB16, CGG<sup>+</sup>18, CHL13, CJH16, CHW12, DFPS10, DJS<sup>+</sup>16, FGS13, GMG<sup>+</sup>15, HHP12a, HHR<sup>+</sup>18, HFCH15, HUB<sup>+</sup>18, JTB16, KCF15, KSM<sup>+</sup>18, KD10, KYD18, LMS<sup>+</sup>18, LMB<sup>+</sup>18, MHAO11, MCB<sup>+</sup>19, MHAP13, MAP14, MLEK15, PPR11, PTH<sup>+</sup>10, PVH<sup>+</sup>13, RPH14, SH11, SPT<sup>+</sup>12, SKBB15, SPK10, SPP12, SWHA15, SH18, SDL<sup>+</sup>15, SBL<sup>+</sup>18b, TPF<sup>+</sup>13, TGKI10, UWL13, VKH<sup>+</sup>19, WA16, WBF<sup>+</sup>15, WEC<sup>+</sup>19, WMD<sup>+</sup>19].

**Sturgeon-Sized** [LMS<sup>+</sup>18]. **Style** [RLC12]. **Subadult** [PPR11]. **Subarctic** [ZWH<sup>+</sup>15]. **Subestuaries** [SEB<sup>+</sup>19, UML<sup>+</sup>11]. **Subject** [SRFS15].

**Subjected** [KDA<sup>+</sup>18, PD13]. **Subjective** [CGL18]. **Sublegal** [MFRS11, SS11b]. **Submerged** [DMRJ10, MKWM18]. **Submergence** [CMC<sup>+</sup>19]. **Submersible** [BSH10]. **Subsistence** [GD10]. **Substrate** [BSH10, CF13, GHK17, PP11, SCKZ17, TFP<sup>+</sup>11]. **Substrates** [HWZ19].

**Subyearling** [CCC16, SEP<sup>+</sup>14]. **Subyearlings** [RCP<sup>+</sup>13]. **Success** [AJ10, BA11, CJMD10, DB13, DWW17, MP14, MSK19a, PRR<sup>+</sup>13, RSLG10, RW11, See11, SKH<sup>+</sup>16, SMS13, VJK13, WP11, WGJ10, WMMB19, WWP18, WGM<sup>+</sup>11]. **Successful** [FWG15, SNTZ14]. **Sucker** [BC14, BCZ17, HPA<sup>+</sup>11, PC12]. **Suckers** [Bur11, BHR<sup>+</sup>15, EHP<sup>+</sup>16, HUST17]. **Suffocation** [TGKZ19]. **Suggest** [CBHS16]. **Suggests** [TPBF15]. **Suitability** [KYD18, LS13, RBP16, ZSW11]. **Suitable** [Kae12]. **Summer** [BBB<sup>+</sup>14, CFW<sup>+</sup>10, DCS<sup>+</sup>16, HGW10, HLM<sup>+</sup>18, HF13, JKN<sup>+</sup>10, JM15, MS18, MBPG12, MMHM17, RSQH18, SOB18, SG13, SM19, SD11, UML<sup>+</sup>11].

**Summer-Run** [MS18, SM19]. **Superimposition** [WGJ10]. **Superior** [SBHJ17, AHS15, JHS15b, LSL<sup>+</sup>13, LOV17, PNWC11, RHG12, RHG13, SQGK10, WSS13]. **Supersaturated** [WLL<sup>+</sup>15, WALL17]. **Supplemental** [WWD13]. **Supplementation** [BZ13, MNYV12, SH11]. **Supply** [VBBK16].

**Support** [HMP10, Ols19]. **Suppression** [CSWW18, DGF11, FGS13, KQRS16, KACS18, SMH17, SGC13, TGKZ19].

**Surf** [FWG15, LSLC15]. **Surface** [APPR14, BP15, BHR<sup>+</sup>15, UML<sup>+</sup>11].

**Surfaces** [SM13]. **Surgery** [DBW13, HKP<sup>+</sup>14]. **Surgery-Based** [HKP<sup>+</sup>14].

**Surgical** [CSV13, CHL13, WWS<sup>+</sup>14]. **Surgically** [GM12, HBLL12].

**Surplus** [NW12]. **Surrogacy** [BSG10]. **Surrogates** [BKM19]. **Survey** [BvPCH17, Cle15, DPS<sup>+</sup>17, GBL<sup>+</sup>13, GAWC10, GCA<sup>+</sup>13, HWDA12, HWB11, KD10, LSLC15, MSW<sup>+</sup>14, MQS12, MQS13a, OM10, PZC<sup>+</sup>12,

Qui10, SCS17a, SCPC14, SKS<sup>+</sup>15, WLK<sup>+</sup>16, ZSW11, ZW12].

**Survey-Derived** [PZC<sup>+</sup>12]. **Surveys** [AMQSK15, APF18, BvPCH17, CFBB15, FWG15, MQS13b, McC15, MM17, SPW<sup>+</sup>12, SLP13, SM10].

**Survival** [APPR14, APAC12, ABC<sup>+</sup>15, APD<sup>+</sup>18, BS11a, BK16, BQHR17, BKD<sup>+</sup>10, BP14, BB12, BRSB<sup>+</sup>16, BSBF13, BSM<sup>+</sup>15, BBS18, BWR12, BKP<sup>+</sup>14, CBS<sup>+</sup>12, CSV13, CCDF18, CFWC11, CCC16, CDQG12, DVWS10, DDEW18, ES17, FBL<sup>+</sup>19, FHE<sup>+</sup>12, GM12, GLCD13, GLH<sup>+</sup>18, GKT11, GMB10, HGW10, HNH11, HFB<sup>+</sup>13, HR11b, HEL<sup>+</sup>15, ITY13, JPWR10, KWMB11, KDA<sup>+</sup>18, KB11, KBH<sup>+</sup>19, LBF17, MCB<sup>+</sup>19, MAP14, MSD11, MFRS11, NB10, NASG12, OL17, PFWG16, PSB<sup>+</sup>10b, QK11, RLC12, RSQH18, RSQ<sup>+</sup>19, SFH<sup>+</sup>13, SBVB12, SSE19, SPS16, SQS<sup>+</sup>17, STSH10, SEP<sup>+</sup>14, SWH<sup>+</sup>16, SS11b, SPK10, SJM15, TRB11, TPC<sup>+</sup>15, TGKI10, TPL18, TLL<sup>+</sup>18, WH12, WF17, WMMB19, WWD13]. **Suspected** [AZE<sup>+</sup>18].

**Susquehanna** [SBW<sup>+</sup>17a, SEM14]. **Sustainability** [FBM<sup>+</sup>19, PNWC11, SCA11]. **Sustainable** [HCH13]. **Suwannee** [BBC10, BBC11, MASN16]. **Swamp** [SGCB19]. **Swan** [SGC13]. **Swim** [PRR<sup>+</sup>13]. **Swim-Up** [PRR<sup>+</sup>13]. **Swimming** [BLSS19, MCB<sup>+</sup>19, UMC14, WALL17]. **Sylvia** [GD10]. **Sympatric** [Hax15, JBZ<sup>+</sup>10]. **System** [BSVB19, BQR<sup>+</sup>19, CJA<sup>+</sup>13, FWR<sup>+</sup>15a, HB12, HB14a, HJK11, KBK13a, KBK13b, KPL<sup>+</sup>16, MI10, MS14, PMP<sup>+</sup>14, RCGF18, SWH<sup>+</sup>16].

**System-Specific** [FWR<sup>+</sup>15a]. **Systematic** [XM14]. **Systems** [BRB<sup>+</sup>17, CGDB14, FAW14, KADH15, LMB<sup>+</sup>18, PSC15].

**T** [BF14, BR12, HHP12a, RWPH11]. **T-Bar** [BF14, BR12, HHP12a, RWPH11]. **Table** [ABVS14]. **Tabulation** [WH11, WH12]. **Tackle** [LMB<sup>+</sup>18]. **Tactics** [CJ14]. **Tag** [AAYC14, BSL18, BA11, BRSB<sup>+</sup>16, BHC<sup>+</sup>10, Bur11, CBS<sup>+</sup>12, CSV13, DBW13, FBL<sup>+</sup>19, FOH<sup>+</sup>12, HHP12a, HUST17, KWMB11, KBK13b, KPL<sup>+</sup>16, LKB19, LXM<sup>+</sup>12, McC16, MM18a, MS14, NKC<sup>+</sup>18, PFWG16, RWPH11, SC17, SAYJ17, SKBK12, TPC<sup>+</sup>15, VBT<sup>+</sup>12, WBP13, WRNJ<sup>+</sup>19, WPY<sup>+</sup>15, WH12, WF17, YHP10]. **Tag-Return** [McC16]. **Tagged** [CMD12, DHLD11, KPL<sup>+</sup>16, KBH<sup>+</sup>19, LKB19, MEL<sup>+</sup>12, SJM15, VBT<sup>+</sup>12, WH11, WS13, YS12, FAW14, OHL10, RFKB17, SBL11]. **Tagged-Fish** [MEL<sup>+</sup>12]. **Tagging** [Bou10, Bur11, DR10, HKP<sup>+</sup>14, JSDJ16, MCB<sup>+</sup>19, SC17, WPY<sup>+</sup>15, WH11, WH12, WHG<sup>+</sup>16]. **Tagging-Related** [WPY<sup>+</sup>15].

**Tags** [BRB<sup>+</sup>17, BF14, BR12, DBKG14, ERC<sup>+</sup>11, GL16, HHP12a, LN12a, LXM<sup>+</sup>12, MM16, MLHS13, MHG<sup>+</sup>11, MWS15, NKC<sup>+</sup>18, NBP15, OL17, PFWG16, SNT<sup>+</sup>16, SLSS16, SKBB15, SCB<sup>+</sup>19, TPC<sup>+</sup>15, WS13]. **Tailwater** [QK11]. **Tailwaters** [MODC10]. **Taken** [HWB11]. **Tamarac** [GHK19].

**Target** [DZ14, DZ17, DCL19, Gur12]. **Target-Rich** [DCL19]. **Targeting** [HAW<sup>+</sup>18]. **Taxonomic** [KIST16]. **Technique** [BFLT17, BF13, BP15, BGBG17, BT16, CKBP19, ERC<sup>+</sup>11, HD14, MODC10, MH13, SBB19, TL15]. **Techniques** [BE11, CBWB14, DVWS10, DCHC13, GAWC10, HWDA12,

HO13, HKP<sup>+</sup>14, PBA<sup>+</sup>17, PC12, RTMJ10, RMTW16, SQS<sup>+</sup>17, SBL11, SPL18, TMC10, UBR<sup>+</sup>17, WD10]. **Technological** [ASS17]. **Technologies** [Aka10]. **Technology** [BDT<sup>+</sup>16, CHJ<sup>+</sup>16, SAYJ17]. **TEDs** [RGC<sup>+</sup>12]. **Teeth** [LKV<sup>+</sup>17]. **Telemetric** [BGP10]. **Telemetry** [HSM<sup>+</sup>18, HBLL12, JPWR10, STP19, TL15, WGS16, WEC<sup>+</sup>19]. **Teleost** [SWG<sup>+</sup>16]. **temensis** [NBFL17]. **Temperate** [SCKZ17, WS11b]. **Temperature** [AJR<sup>+</sup>19, BS10, CSH<sup>+</sup>17, CHW12, FDHWP16, HP14, HLM<sup>+</sup>18, HB16, IH11, KDA<sup>+</sup>18, KMPV13, MMP12, PCP<sup>+</sup>13, PTH<sup>+</sup>10, WCWA10]. **Temperature-Driven** [KMPV13]. **Temperatures** [BP15, BGHL10, CBM13, DCS<sup>+</sup>16, HB14b, Kae12, SK18a, SHS15]. **Temporal** [AOS<sup>+</sup>17, Bri17, DZS10, IMM13, MS17a, SGCB19, SBL<sup>+</sup>18a, SSK19, SCS17b, VEW<sup>+</sup>13, WS11a, WDD<sup>+</sup>14, WSH<sup>+</sup>14, WBF13]. **Temporally** [KSL<sup>+</sup>19]. **Ten** [FBB18]. **Tennessee** [KB11, WA16, HRKB19, MB12]. **Tenualosa** [NCSR17]. **Term** [APC<sup>+</sup>14, BCD<sup>+</sup>10, BEK<sup>+</sup>18, BDC<sup>+</sup>13, Bur11, FWWTJD16, GM12, HWZ19, HHRB15, HUST17, KML14, KCRR19, LBL11, PPR11, Pie10, PRRD15, RLC12, RWPH11, SS11a, SBC<sup>+</sup>11, SBL<sup>+</sup>18b, VMC<sup>+</sup>11, YHP10]. **Termination** [JCB<sup>+</sup>18]. **Tern** [ERC<sup>+</sup>11]. **Terrapin** [ASD<sup>+</sup>18, ASD<sup>+</sup>18]. **Territories** [ASP<sup>+</sup>17, CEH<sup>+</sup>15]. **Territory** [HS19, MSE<sup>+</sup>18]. **Test** [GFM<sup>+</sup>18, HVW<sup>+</sup>17, MJH17]. **Testing** [DCS11, KDP<sup>+</sup>10, MRC12, MEJ10, SWH<sup>+</sup>16, SCG11a]. **Tetanized** [SVD<sup>+</sup>18]. **Texas** [BSO<sup>+</sup>16, DDAS14, FTSF13, Mat10, PSB<sup>+</sup>10a, SDKS16]. **Their** [FDM<sup>+</sup>13, DMC<sup>+</sup>19, PPO18, TTS<sup>+</sup>18, WQF15, WBT17, ZC15]. **Theoretical** [ASD<sup>+</sup>18]. **Thermal** [BBB<sup>+</sup>14, BP15, SD11]. **Thermally** [SPL18]. **Thiamine** [FDM<sup>+</sup>13, RRH<sup>+</sup>11]. **Those** [LMC<sup>+</sup>16]. **Threadfin** [NP12]. **Threat** [BB19, HTH<sup>+</sup>19, KACS18]. **Threaten** [RFHP17]. **Threatened** [BBC<sup>+</sup>13, CWH<sup>+</sup>14, DGS<sup>+</sup>11, GMG<sup>+</sup>16a, GTB<sup>+</sup>19, VWB<sup>+</sup>11, VEW<sup>+</sup>13]. **Three** [BBG19, BMW<sup>+</sup>19, BSTC13, DS12, DBW13, DP13, FSW16, GWB<sup>+</sup>10, GKT11, HKMH10, HB15, Kae13, KPL12, KNS18, RGC<sup>+</sup>12, SLB10, SS17, SBTW17, SM13, SS13b, SQGK10, WSH<sup>+</sup>14, ZWH<sup>+</sup>15]. **Three-Dimensional** [BBG19]. **Three-Pass** [DP13, HKMH10]. **Threshold** [LCR19, Rey15, SL15b]. **Thresholds** [BBB<sup>+</sup>14]. **Throat** [SBW<sup>+</sup>16]. **Thunder** [FBM<sup>+</sup>19]. **Tidal** [GRCR10, TBH<sup>+</sup>14]. **Tide** [WBZ19]. **Tiger** [KMK<sup>+</sup>15, SSP18, WBT17]. **Timber** [RIMR19]. **Time** [AWG<sup>+</sup>18, CS17, GKT11, HRH10, KAZ15, KDA<sup>+</sup>18, KCCW19, LM16a, LJR11, LLW<sup>+</sup>18, MQJK19, NW12, RMTW16, SLB10, SK18b, WH12, WMMB19]. **Time-Lapse** [AWG<sup>+</sup>18, SK18b]. **Time-Varying** [NW12]. **Timers** [SEP11]. **Times** [CMWM18, LMB<sup>+</sup>18, McC16, TGA15]. **Timing** [BWLB12, BCRM<sup>+</sup>14a, BCRM<sup>+</sup>14b, BC14, BK12, BGP10, HWFN14, JKN<sup>+</sup>10, LPY16, PRTS14]. **Tissue** [ASP<sup>+</sup>17, LLW<sup>+</sup>18]. **Tissues** [HTPS10]. **Toe** [PK18]. **Toe-Width** [PK18]. **Tolerance** [GLCD13, WLL<sup>+</sup>15]. **Tomography** [MHBR19]. **Tool** [CvPW15, CCMA<sup>+</sup>10, CDQG12, FDHWP16,

HBS14b, MBBS10, Ols19, PLCG13]. **Tools** [RABK18, ZSW11]. **Topanga** [DK16]. **Topeka** [BPQ13]. **Topminnow** [RW11]. **Total** [DZ17, GLCD13, LKV<sup>+</sup>17, MQS12, MS14, PSCS11, SKBB15, SEP<sup>+</sup>19, WLL<sup>+</sup>15, WALL17]. **Tournament** [BRSA15, DLSW12, HAW<sup>+</sup>18, KB10, KDA<sup>+</sup>18]. **Tournaments** [BEH<sup>+</sup>19, EBS18, MMS<sup>+</sup>17, Qui10, SVFG10, SHS15]. **Toxicity** [Erm12, FSV10, FSV12]. **Tracking** [BSTD13, HHRB15, NTJ<sup>+</sup>14, SCB<sup>+</sup>19, WPS<sup>+</sup>19]. **Trade** [SLR<sup>+</sup>16]. **Trade-Offs** [SLR<sup>+</sup>16]. **Tradeoff** [RWAJ16]. **Traditional** [RPC<sup>+</sup>19]. **Train** [OOWW12]. **Training** [DIK19]. **Traits** [DWCK16, HFB<sup>+</sup>13]. **Trammel** [WKS<sup>+</sup>10]. **Transitions** [BBB<sup>+</sup>14]. **Translocated** [ASL<sup>+</sup>16]. **Translocation** [HW19]. **Translocations** [GMG<sup>+</sup>16a]. **Transmitter** [GLH<sup>+</sup>18, HO13, WRNJ<sup>+</sup>19, WPS<sup>+</sup>19]. **Transmitters** [BF13, BDC<sup>+</sup>13, BHC<sup>+</sup>10, CHL13, FVH<sup>+</sup>17, HBLL12, NKC<sup>+</sup>18, TGA15]. **Transplanted** [HVW<sup>+</sup>17]. **Transponder** [AAVC14, BRB<sup>+</sup>17, BR12, Bur11, CHJ<sup>+</sup>16, FOH<sup>+</sup>12, HHP12a, HUST17, KWMB11, KZ12, MM16, MHG<sup>+</sup>11, NKC<sup>+</sup>18, OL17, SNT<sup>+</sup>16, SKBK12, WF17, WHG<sup>+</sup>16, YHP10]. **Transponders** [BSTD13, GM12, SLSS16]. **Transport** [BEH<sup>+</sup>19, MHAP13, MSD11, SZHC15, SEM14]. **Transported** [DB13, HH11b]. **Trap** [ASS17, AHVJ11, ASD<sup>+</sup>18, BDS<sup>+</sup>11, BC18, CS17, GCLC18, HWZ19, JM12b, KPP<sup>+</sup>18, MHAP13, MCH12, SCW<sup>+</sup>17, TRB<sup>+</sup>13, ZM17]. **Trap-and-Haul** [KPP<sup>+</sup>18]. **Trap-and-Transport** [MHAP13]. **Trapping** [BA18]. **Traps** [AHVJ11, DBE11, MHC10, PDM12, PSC15, RJMG13, RH16, SBL<sup>+</sup>12, ZW12]. **Trauma** [PD13]. **Travel** [GKT11, KAZ15]. **Traveling** [BP14]. **Traverse** [BGCF11]. **Trawl** [BSS<sup>+</sup>14, GGC17, HPD<sup>+</sup>19, RGOR10, TSNH10]. **Trawling** [DDD<sup>+</sup>18, NQ11]. **Trawls** [HB12, SWHA15]. **Treating** [HSF18]. **Treatment** [CHW12, FBB18, RFLP14]. **Treatments** [CST<sup>+</sup>18, LP12, TFH<sup>+</sup>16]. **Trend** [HS12]. **Trends** [BG12, GWCA10, GHL12, IMM13, MS17a, MGS14, SBL<sup>+</sup>18a, WS11a]. **Trial** [SC18]. **Triangulation** [TL15]. **Tribal** [MSE<sup>+</sup>18]. **Tributaries** [BBO16, BWT<sup>+</sup>13, BSM<sup>+</sup>15, CMMR19, CFW<sup>+</sup>10, GAH<sup>+</sup>18, HPD<sup>+</sup>19, HBA<sup>+</sup>12, JBZ<sup>+</sup>10, LSL<sup>+</sup>13, SQGK10]. **Tributary** [ACS19, BQHR17, BT16, BJ19, CJMD10, FDM<sup>+</sup>13, LBF17, LPY16, MFLS18, WSS13, WBH13]. **Tribute** [CMMR19]. **Triggerfish** [AES11]. **Trip** [BHHA11, HHSB13, LM16b]. **Triploid** [BTD<sup>+</sup>12, CMK<sup>+</sup>19, KML14, KSG<sup>+</sup>18, KKMS11, KM11, MKBB13, ZGW11]. **Trips** [SM10]. **Troll** [MG14]. **Trolling** [MDM12]. **Trophic** [BRBP10, FBB19, WQF15]. **Trophodynamic** [MG10]. **Trophy** [DAKP13, FILH15, FH16, HBS<sup>+</sup>19, HPTH18, PJLB14, SPHK16]. **Trophy-Oriented** [FH16]. **Tropical** [LFD<sup>+</sup>17, NP12]. **Trotline** [SEP11]. **Trout** [AW10, AHS15, ACRBB10, ACS19, APAC12, ASP<sup>+</sup>17, ASL<sup>+</sup>13, ASL<sup>+</sup>16, AKP15, BB19, BPB13, BBD19, BACRB14, BHN11, BATK16, BBO16, Blo13, BSVB19, BB12, BS11b, BBL<sup>+</sup>11, BPT<sup>+</sup>19, BJZ11, BGM17, BTD<sup>+</sup>12, BWR12, BKP<sup>+</sup>14, BHG<sup>+</sup>13, BJ19, CEP15, CCMA<sup>+</sup>10, Car13,

CMK<sup>+19</sup>, CDQG12, CBM13, DRG10, DBW13, DBKG14, DB13, DZS10, DKWG14, DWCK16, DTA18, DCS<sup>+16</sup>, DSD<sup>+13</sup>, DHB<sup>+10</sup>, DGS<sup>+11</sup>, DGF11, EKM10, ES14, Erm12, EMK<sup>+17</sup>, FVH<sup>+17</sup>, FSV10, FSV12, GMG<sup>+16a</sup>, GBFR18, Gre11, GFC<sup>+15</sup>, HW12, HKMH10, HB15, HNH11, HH17, HM17, HHT<sup>+13</sup>, HAS<sup>+19</sup>, HW16, HHMQ15, HER<sup>+12</sup>, HWZ19, HK17, HHRB15, HFRH17, HGK15, HS12, HDM15, HBA<sup>+12</sup>, HMD16, HM18, JWC10, JBZ<sup>+10</sup>, JM15, JHS15b, Kae12, Kae13, KKM16, KHH13, KSH<sup>+16</sup>, KKMS11, KM11, KMK<sup>+15</sup>, KPL<sup>+16</sup>, KBH<sup>+19</sup>, KEC11, KACS18, KW13, Kra18]. **Trout** [LM16a, LKB19, LOS<sup>+11</sup>, LLP10, LN12a, LWJS16, LSL<sup>+13</sup>, LLW<sup>+18</sup>, LN12b, LPY16, LP17, LMD<sup>+19</sup>, MD10, MM16, MAM<sup>+12</sup>, MKRH14, MP14, MHDD16, MJ11, MSC13, MPL<sup>+15</sup>, MB12, MGWC13, MH11b, MHG<sup>+11</sup>, MGS14, MSM<sup>+14</sup>, MSK<sup>+16</sup>, MKHC17, MAG<sup>+15</sup>, ND11, NFQ16, NWZ14, NEC<sup>+13</sup>, OL17, PT15, PNWC11, PJLB14, PSR16, PFRM12, PSCL13, PN19, PVST11, Pto13, QK11, RSHS15, RTMJ10, RRH<sup>+11</sup>, RZ10, RFHP17, RSQ<sup>+19</sup>, SHSCA16, SDDC16, SLMM10, SMH17, SMP<sup>+14</sup>, SRSS12, SBVB12, SBC<sup>+11</sup>, SKH<sup>+16</sup>, SNTZ14, SBHJ17, SSPP19, SQGK10, SMS13, SGC13, TCM19, TBIJ19, TGS<sup>+15</sup>, TGKZ19, THQ15, UACZ<sup>+16</sup>, VBBK16, VMA<sup>+16</sup>, WDD<sup>+14</sup>, WQF15, WMSV18, WGJ10, WHV15, WSA18, WBT17, WWP18, ZRR<sup>+19</sup>]. **Truckee** [APAC12]. **Truman** [STP19]. **Truncated** [CSWW18]. **Tuna** [GSG18, MG14]. **Turbid** [BOM16, PP11, TKH<sup>+16</sup>]. **Turbidity** [SL15a, SSP18]. **Turbine** [ABC<sup>+15</sup>]. **Turbines** [GBTL14]. **Turkey** [GPLT12]. **Turtle** [RGC<sup>+12</sup>, SHM<sup>+10</sup>, SMW12]. **Two** [APD<sup>+18</sup>, APF18, BCBW18, BA18, BFL<sup>+10</sup>, BE11, BGM17, CA14, CPM<sup>+10</sup>, DSB19, DT11, DWCK16, FK16, FSS<sup>+10</sup>, HKMH10, HMW<sup>+10</sup>, HEL<sup>+15</sup>, ISC10, JHB10, JBZ<sup>+10</sup>, Kae13, KWMB11, KFM12, KCS<sup>+17</sup>, LCR19, ORA17, PFWG16, PSB<sup>+10a</sup>, PC12, PDL<sup>+18</sup>, RB15, RS17, RTMJ10, STSH10, SEP<sup>+19</sup>, UACZ<sup>+16</sup>, VMC<sup>+11</sup>, VKBL11, WHB<sup>+14</sup>, WI17]. **Two-Month** [APF18]. **Two-Way** [FK16]. **Type** [CKCF12, GRSF<sup>+16</sup>, JHS15a, LLW<sup>+18</sup>, SM14, TEB<sup>+19</sup>]. **Types** [BA11, DR19, LMB<sup>+18</sup>, NCMT12, SBTW17].

### U.S [RKB15]. U.S.

[AES11, BGCH17, BM14, CDD<sup>+11</sup>, CH17, DTS19, GSCR11, GSG18, GMG16b, LSMD15, LS17, MG14, SP13, SMW12, TCB18, WS11a].

### U.S.-Built [DTS19]. ui [SRFW14, SRFS15]. Ultrasonic

[BSH10, BWB18, DG12, GBTL14, STP19, TL15, WGS16].

### Ultrasonography [CBHB16]. Ultrasound [DR10, LS11]. Umatilla

[CCC16, JM12a]. Unanticipated [PM14]. Unbaited [Sin18]. Unbiased [CHBY13, SM10]. Uncertain [GSCCP18, ZRR<sup>+19</sup>]. Uncertainty

[CA11, HJB14, HSM<sup>+18</sup>, SJM15]. Under-Ice [FHL18]. Undersized

[GMB10]. Understand [SEP11]. Understanding

[CGL18, DHH17, FQ19, HSC<sup>+16</sup>, SF16]. Underwater

[CFBB15, IH11, MI10, NTJ<sup>+14</sup>]. Unexplained [EBS18]. Unexploited

[HVW<sup>+17</sup>, HHH14, LWJS16, MS16]. Unimpounded [MCK<sup>+15</sup>]. Unique

[MRC12, MGWC13]. **Unit**

[Bre13, LJR11, MQJK19, SHL16, WHC14a, WHC14b]. **United**

[ADD14, MAG<sup>+</sup>15, ORD19, BW17, McB14]. **Units** [CKBP19, DC13].

**Unrecovered** [BRA<sup>+</sup>18b, BRA18a]. **Unreported** [APD16]. **Unsectioned**

[MH13]. **Unstocked** [PSR16]. **Unsuccessful** [BBG19]. **Unsuitability**

[MRB<sup>+</sup>11]. **Untagged** [NKC<sup>+</sup>18]. **Update** [PK18]. **Updated** [GGC17].

**Upland** [GBHO11]. **Upper** [DM12, BSS<sup>+</sup>17, BWT<sup>+</sup>13, CJH16, EMK<sup>+</sup>17, EHP<sup>+</sup>16, FSHR17, GKS13, HLM<sup>+</sup>18, HGW16, JF13, JF14, KEC11, KACS18, MSM<sup>+</sup>14, OHSP17, OH15, WA16]. **Upstream** [HH11b, LKM<sup>+</sup>17, MHAP13, MJH17, MSK19a, PFD17, PN19, SM19, SEM14, WA14]. **Upwelling** [HSF18].

**Urban** [BLM<sup>+</sup>11, MBBS10]. **USA**

[BACRB14, CL12, CMMR19, GRCR10, HHB12, HM18, JBRWH18, JKSK13, KRJT13, Sam16, SHL16, SCWP17, WHB<sup>+</sup>14]. **Usage** [BWT<sup>+</sup>13]. **Use**

[APAC12, ABVS14, AWG<sup>+</sup>18, BSL18, BDH<sup>+</sup>14, BSBC14, BG19, Bre13, BSBF13, BJ19, BWHM16, CKC<sup>+</sup>12, CHJ<sup>+</sup>16, CDQG12, DDAS14, DCS<sup>+</sup>16, DR19, EWS<sup>+</sup>17, FG13, FVH<sup>+</sup>17, FSW18, FJB16, FDM<sup>+</sup>13, GFC<sup>+</sup>15, GTB<sup>+</sup>19, HGW10, HO13, HH11a, HW16, HPM<sup>+</sup>18, LS11, McC15, MS14, MKHC17, MMB19, MKK<sup>+</sup>12, OHL10, ORA17, Pto13, SG13, SCKZ17, SPM15, SDF12, SK18b, SD11, SWW14, SLP17, SF16, TFP<sup>+</sup>11, TMC10, VEIW<sup>+</sup>16, WHMS14, WHKB17]. **Used**

[BCZ<sup>+</sup>18, BFLT17, BBC<sup>+</sup>13, HTF<sup>+</sup>13, HSF18, KQDC19, PVST11, RBB<sup>+</sup>10b, SVD<sup>+</sup>18, SEP<sup>+</sup>19, TP17, VKBL11]. **User** [ZSW11].

**User-Friendly** [ZSW11]. **Users** [SDKS16]. **Using**

[ASP<sup>+</sup>17, AR12, BRN16, BS12, BB19, Bal15, BBG19, BOM16, BCD<sup>+</sup>10, BDT<sup>+</sup>16, BRWQ18, BGP10, BSTC13, CSWP19, CSH<sup>+</sup>18, CWH<sup>+</sup>14, CPM<sup>+</sup>10, CBS13, CDD<sup>+</sup>11, DPS<sup>+</sup>17, DBJD12, FOH<sup>+</sup>15, GRSF<sup>+</sup>16, GHL12, GL16, GCA<sup>+</sup>13, HBS<sup>+</sup>19, HS19, HSM<sup>+</sup>18, HF13, HWFN14, HBS14b, KIST16, KNC14, LKV<sup>+</sup>17, LKB19, LSC<sup>+</sup>16, MS16, MKBB13, MC10, MFLS18, MSW<sup>+</sup>14, MJCM15, McC16, McC17, McG14, MPL<sup>+</sup>15, MWS15, MLEK15, MM18b, MPM10, NKC<sup>+</sup>18, NEH10, ORC<sup>+</sup>16, PNHA12, PA16, PRRD15, RGH<sup>+</sup>13, RZ10, SBL<sup>+</sup>18a, SLK15, STP19, SNTZ14, SBL11, SHM<sup>+</sup>10, SK18b, SEP11, SL12, SMCS14, THQ15, UWL13, VKH<sup>+</sup>19, WS16, WBZ19, WHV15, WD10, ZEM11, CA14, CBHB16, Der14, DLP16, FOH<sup>+</sup>12, GHK17, HM17, JPWR10, SC17, SFW11, WA16, WTB<sup>+</sup>15, ZM17]. **Utah**

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**Vacant** [ASL<sup>+</sup>13]. **Validating** [SM10]. **Validation**

[ASD<sup>+</sup>18, AM17, CHDW18, DSD<sup>+</sup>13, FBC<sup>+</sup>10, HM17, HB16, HBS14b,

HUB<sup>+</sup>18, Ise10, LOV17, MJ11, PVST11, RSI16, RPHH14, SBS14]. **Valley**

[SHMS16, MGB<sup>+</sup>14]. **Valuable** [PLUH19]. **Value**

[BRN16, BM14, CL12, FJB16, JBHM19]. **Values**

[BLM<sup>+</sup>11, GSG18, HHS<sup>+</sup>13, LL12, LN12b]. **Valuing** [ML13]. **Varden**

[SS13b, SMCS14]. **Variability**

[FWR<sup>+</sup>15a, HSC<sup>+</sup>16, HB16, KTN14, LOV17, SSK19, SCWP17]. **Variable** [BSM<sup>+</sup>15, SC17]. **Variables** [GRSF<sup>+</sup>16, MOJ12]. **Variation** [AES11, BACRB14, DBK11, DASB16, EBS18, KSL<sup>+</sup>19, PP11, SCS17b, SVPD13, SEP<sup>+</sup>19, WSH<sup>+</sup>14, WBF13]. **Variations** [VBBK16]. **Varies** [RH16]. **Various** [DT11]. **Vary** [TO10]. **Varying** [AJ13, NW12, WS11b]. **Vegetation** [CBM13, DFMP18, MKWM18, SB18, TFP<sup>+</sup>11]. **Venting** [ES17, SFH<sup>+</sup>13]. **Verify** [PN19]. **Verifying** [BS11b]. **Vermont** [KW13, Kra18]. **versus** [BW18, Blo13, FH16, MQJK19, TKH<sup>+</sup>16]. **Vertical** [GH17, WBZ19]. **Vessel** [BRS<sup>+</sup>12]. **Veterinary** [LS11]. **via** [MG10]. **Viability** [APC<sup>+</sup>14, BBC<sup>+</sup>13, JCB<sup>+</sup>18, PHS<sup>+</sup>13, SZKK10]. **Video** [AM17, CKC<sup>+</sup>12, MI10, MJCM15, NTJ<sup>+</sup>14]. **Video-Based** [AM17]. **Videography** [CFBB15]. **VIE** [LN12a, ZC10]. **Viewing** [WI17]. **Viral** [PCT<sup>+</sup>14, TPBF15]. **Virgin** [CH17]. **Virginia** [ABBG13, BRS<sup>+</sup>12, DMC<sup>+</sup>19, HH11b, HM18, SEB<sup>+</sup>19]. **Virile** [RB15]. **virilis** [RB15]. **Virus** [PCT<sup>+</sup>14, TPBF15]. **Visibility** [WH12]. **Visible** [DBKG14, LN12a, MM16, MLHS13, NBP15, YHP10, ZC10]. **Visual** [BGW<sup>+</sup>11, KHH13]. **Visualizing** [SLR<sup>+</sup>16]. **Vital** [BRA18a, UACZ<sup>+</sup>16]. **Vitellogenin** [HPA<sup>+</sup>11]. **Volitional** [CFWC11]. **Voltage** [SPS16]. **volume** [Ano12b, BBC11, MFRS11]. **Volunteer** [Cle15]. **Vortex** [MC10]. **Vulnerabilities** [CDD<sup>+</sup>11].

**Wabash** [KCF15, MCSF<sup>+</sup>17]. **Wadeable** [AJ10, DCHC13, NCMT12, PP10, SHL16, SPQ12, SQP12]. **Wading** [SM13]. **Waikato** [DHLD11]. **Walker** [SBVB12]. **Walleye** [BEK<sup>+</sup>18, BSB<sup>+</sup>15, CSF12, CF13, DIK19, EBS18, FB14, FWT14, FHE<sup>+</sup>12, GHK17, HIS16, HS19, HFH12, HHCH15, HFH18, HNPB15, HSHH17, KKSH12, KIST16, KBK13a, KBK13b, LSM<sup>+</sup>16, LC14, LBF17, LJR11, LO18, MLHS13, MH13, MSE<sup>+</sup>18, Ran18, RS17, RSI16, SS11a, SFH12, SSK18, THI<sup>+</sup>19, VMC<sup>+</sup>11, WFS13, WF17, WI17, ZEM11, ZKM13]. **Walleyes** [BBW18, CFG16, CJMD10, FJB16, GWB<sup>+</sup>10, GHK19, HFN11, Hax15, HB10, LLP10, LP12, LAM16, MSK18, RS11, SVFG10, TS11, TLL<sup>+</sup>18, VKBL11, VBT<sup>+</sup>12, WCWA10]. **Warmer** [HW12]. **Warmwater** [BE11, BG13, PP10, SWG<sup>+</sup>16, WMB19]. **Washington** [APPR14, AT18, AHVJ11, BCD<sup>+</sup>10, BBD19, BPT<sup>+</sup>19, HFB<sup>+</sup>13, KTHM13, LPY16, LP17, LSLC15, MS18, PQB10, SMK13, SM19, TFP<sup>+</sup>11, WBB10]. **Water** [BP14, BSBC14, BGHL10, BEH<sup>+</sup>19, CFBB15, CGG<sup>+</sup>18, CSH<sup>+</sup>17, CHW12, DBK11, DT11, DMRJ10, DCS<sup>+</sup>16, GRR<sup>+</sup>17, HHR<sup>+</sup>18, HB16, HB14b, KDA<sup>+</sup>18, LSM<sup>+</sup>16, LBL11, MC10, NB10, PTH<sup>+</sup>10, RSLG10, Rey15, RTMJ10, RJP<sup>+</sup>15, SL15b, SHS15, VBBK16, WLL<sup>+</sup>15, WALL17]. **Waterbird** [EHP<sup>+</sup>16]. **Waters** [AHVJ11, AES11, BR14, BMMMLML15, Car13, FWWTJD16, GSCR11, KHDA14, LSMD15, MSK<sup>+</sup>16, PNWC11, RKB15, RMTW16, TS11]. **Watershed** [AJ10, ASP<sup>+</sup>17, GKMC15, HMP10, Kra18, MMP12, RPBM10, TCB18, UML<sup>+</sup>11]. **Watershed-Scale** [HMP10]. **Watersheds** [BC17].

**Waveform** [HRH10, SPS16]. **Waveforms** [BDB<sup>+</sup>19]. **Way** [FK16]. **Weak** [CF18]. **Web** [HTH<sup>+</sup>19, SOSL10]. **Weigh** [KB10]. **Weigh-In** [KB10]. **Weight** [BBC10, BBC11, BBS19, CK10, Ger10, Ger11, GPLT12, GFP<sup>+</sup>12, HDB<sup>+</sup>12, ITT10, LRHR17, RFW<sup>+</sup>10, RFW<sup>+</sup>11, Ran18, RV12, SKBB15]. **Weir** [APD<sup>+</sup>19]. **Weirs** [FK16, MC10]. **Well** [BEH<sup>+</sup>19, SHS15]. **Wells** [MS18, SM19]. **West** [CDD<sup>+</sup>11, BPQ13, FWWTJD16, NEH10, WFWSV14]. **West-Central** [BPQ13, FWWTJD16, WFWSV14]. **Western** [MKWM18, NBP15, AHS15, AOS<sup>+</sup>17, AES11, BACRB14, GPLT12, GSCR11, HHT<sup>+</sup>13, JBRWH18, JHS15b, LP17, MAG<sup>+</sup>15, ORA17, RMTW16, WBT17]. **Westslope** [CMK<sup>+</sup>19, DCS<sup>+</sup>16, WQF15]. **Wetland** [CKCF12]. **Wetlands** [BA18, CKCF12, SBTW17]. **Where** [WPS<sup>+</sup>19]. **While** [RCP<sup>+</sup>13]. **Whirling** [CEP15]. **White** [BC14, BCZ17, BDS<sup>+</sup>11, BGD<sup>+</sup>19, BDT<sup>+</sup>16, CJH16, EJL10, FBB19, GBFR18, GHK19, GMG16b, KD10, LMS<sup>+</sup>18, LMB<sup>+</sup>18, MSK<sup>+</sup>16, MSK18, ORD19, PPR11, SNT<sup>+</sup>16, SRFW14, SPL18, TGS<sup>+</sup>15, WKS<sup>+</sup>10, WBH13]. **White-streaked** [SNT<sup>+</sup>16]. **Whitefish** [BATK16, BGW<sup>+</sup>17, EWS<sup>+</sup>17, GZ13, HMS11, HHH14, PCP<sup>+</sup>13, PM13, ZM17, ZWH<sup>+</sup>15]. **Whitespotted** [Nak13]. **Whole** [WSA18]. **Width** [DC13, PK18]. **Wild** [BKHS14, BEK<sup>+</sup>18, Bri17, BSG10, FDM<sup>+</sup>13, GPP<sup>+</sup>10, HHT<sup>+</sup>13, HUST17, MM16, MHAO11, MS18, OMT<sup>+</sup>15, PTD10, PHFK10, SHSCA16, SKBSA11, SPP12, TPB<sup>+</sup>16, TEB<sup>+</sup>19, WPJ<sup>+</sup>18]. **Wild-** [WPJ<sup>+</sup>18]. **Wild-Caught** [BEK<sup>+</sup>18]. **Will** [LN12c]. **Willamette** [JF13, JF14, Cle15, KJN<sup>+</sup>17]. **William** [SC18]. **Williamson** [HHB12]. **Wind** [SCKZ17]. **Winnebago** [KBK13a, KBK13b]. **Winter** [Bri17, DTA18, HLM<sup>+</sup>18, KLR<sup>+</sup>12, MH11a, WMB19]. **Winter-Rearing** [HLM<sup>+</sup>18]. **Wintertime** [SSPP19]. **Wire** [AAYC14, BSL18, BR12, ERC<sup>+</sup>11, GL16, JSDJ16, KPL<sup>+</sup>16, KBH<sup>+</sup>19, LKB19, LXM<sup>+</sup>12]. **Wisconsin** [LO18, BHN11, CSED10, CBM13, DHB<sup>+</sup>10, EDN10, FILH15, FH16, GBL<sup>+</sup>13, HIS16, HM17, HS19, HFN11, HFH12, HHCH15, HFH18, KIST16, MIH15, MSE<sup>+</sup>18, ND15, ORL<sup>+</sup>16, RSI16, Ryp15, SSE19, SEP<sup>+</sup>19, THI<sup>+</sup>19]. **Within** [BCBW18, CMMR19, CAWB17, HTF<sup>+</sup>13, KTHM13, LAA<sup>+</sup>18, LTG<sup>+</sup>11, LSL<sup>+</sup>13, TTS<sup>+</sup>18, VWB<sup>+</sup>11]. **without** [DTA18]. **Wood** [CBWB14, DHB<sup>+</sup>10, GDLM17, Kra18, MRA14]. **Woody** [LGC11, WWW15, WS11b]. **Working** [SRCC<sup>+</sup>18]. **Worthy** [ASD<sup>+</sup>18]. **Wound** [FSW18]. **Wyoming** [BQR<sup>+</sup>19, KEC11].

**X** [BDT<sup>+</sup>16]. **X-Ray** [BDT<sup>+</sup>16].

**Yakima** [HFB<sup>+</sup>13, TFH<sup>+</sup>16]. **Year** [DS12, FC17, HFH12, HFH18, KFM12, KCCW19, LSM<sup>+</sup>16, LOV17, LO18, MCS<sup>+</sup>17, NTJ15, SB11, SC18, WH11, WH12]. **Year-Class** [FC17, HFH12, HFH18, LOV17, LO18, NTJ15]. **Year-Classes** [DS12]. **Year-Specific** [SB11]. **Yearling** [BSG10, HLM<sup>+</sup>18]. **Years** [ES14, KTHM13, RIMR19, SWH<sup>+</sup>16]. **Yellow**

[BK12, DWB<sup>+</sup>15, DRC17, FRH10, HTH<sup>+</sup>19, HT11, KWMB11, LSM<sup>+</sup>16, LJR11, LSK<sup>+</sup>14, MIH15, MSK19b, RBB10a, SB11, TCB18, WA14]. **Yellow-Phase** [TCB18, WA14]. **Yelloweye** [HR11b]. **Yellowstone** [EMK<sup>+</sup>17, SZKK10, ACS19, DZS10, EMK<sup>+</sup>17, Gre11, Kae12, Kae13, KEC11, MKHC17, RSQ<sup>+</sup>19, TGS<sup>+</sup>15, TGKZ19, UACZ<sup>+</sup>16]. **Yield** [CBS13, LRHR17, SLR<sup>+</sup>16]. **Yield-per-Recruit** [CBS13]. **Yields** [CBS13]. **York** [CJMD10, DJS<sup>+</sup>16, Gur12, JNC<sup>+</sup>16, MSC13]. **Young** [KFM12, LSM<sup>+</sup>16, RSHS15, WMD<sup>+</sup>19]. **Young-of-the-Year** [KFM12, LSM<sup>+</sup>16]. **Yukon** [CJ14, FBC<sup>+</sup>10, FCE<sup>+</sup>12, HD14]. **YY** [SMH17]. **YY-Male** [SMH17].

**Zealand** [DHLD11, HWB11, SM13, SAF16]. **Zone** [ABBG13, EJL10, KHDA14, RSI16, SS17]. **Zones** [GH17]. **Zooplankton** [NSW16].

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