

Appendix 3: Cooperative Institute of the North Atlantic Region (CINAR) Publications 2019-2020

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Weller, R.	Weller, Robert A.; Baker, D. James; Glackin, Mary M.; Roberts, Susan J.; Schmitt, Raymond W.; Twigg, Emily S.; Vimont, Daniel J.	Published	2019	The Challenge of Sustaining Ocean Observations	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00105	X			X	
Weller, R.	Blunden, Jessica; Arndt, Derek S.	Published	2019	State of the Climate in 2018	Bulletin of the American Meteorological Society	Journal	10.1175/2019BAMSSStateoftheClimate.1	X			X	
Weller, R.	Trask, Richard P.; Weller, Robert A.	Published	2019	Moorings	Encyclopedia of Ocean Sciences	Book		X			X	
Weller, R.	Terlouw, Gerianne J.; Knor, Lucie A. C. M.; De Carlo, Eric Heinen; Drupp, Patrick S.; Mackenzie, Fred T.; Li, Yuan Hui; Sutton, Adrienne J.; Plueddemann, Albert J.; Sabine, Christopher L.	Published	2019	Hawaii Coastal Seawater CO2 Network: A Statistical Evaluation of a Decade of Observations on Tropical Coral Reefs	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00226	X			X	
Weller, R.	Sutton, Adrienne J.; Feely, Richard A.; Maenner-Jones, Stacy; Musielwicz, Sylvia; Osborne, John; Dietrich, Colin; Monacci, Natalie; Cross, Jessica; Bott, Randy; Kozyr, Alex; Andersson, Andreas J.; Bates, Nicholas R.; Cai, Wei-Jun; Cronin, Meghan F.; De Carlo, Eric H.; Hales, Burke; Howden, Stephan D.; Lee, Charity M.; Manzello, Derek P.; McPhaden, Michael J.; Meléndez, Melissa; Mickett, John B.; Newton, Jan A.; Noakes, Scott E.; Noh, Jae Hoon; Olafsdottir, Solveig R.; Salisbury, Joseph E.; Send, Uwe; Trull, Thomas W.; Vandemark, Douglas C.; Weller, Robert A.	Published	2019	Autonomous seawater and pH time series from 40 surface buoys and the emergence of anthropogenic trends	Earth System Science Data	Journal	10.5194/essd-11-421-2019	X			X	
Weller, R.	Sloyan, Bernadette M.; Wilkin, John; Hill, Katherine Louise; Chidichimo, Maria Paz; Cronin, Meghan F.; Johannessen, Johnny A.; Karstensen, Johannes; Krug, Marjolaine; Lee, Tong; Oka, Eitarou; Palmer, Matthew D.; Rabe, Benjamin; Speich, Sabrina; von Schuckmann, Karina; Weller, Robert A.; Yu, Weidong	Published	2019	Evolving the Physical Global Ocean Observing System for Research and Application Services Through International Coordination	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00449	X			X	
Weller, R.	Schlundt, Michael; Farrar, J. Thomas; Bigorre, Sebastien P.; Plueddemann, Albert J.; Weller, Robert A.	Published	2020	Accuracy of Wind Observations from Open-Ocean Buoys: Correction for Flow Distortion	Journal of Atmospheric and Oceanic Technology	Journal	10.1175/JTECH-D-19-0132.1	X			X	

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Weller, R.	Levin, Lisa A.; Bett, Brian J.; Gates, Andrew R.; Heimbach, Patrick; Howe, Bruce M.; Janssen, Felix; McCurdy, Andrea; Ruhl, Henry A.; Snelgrove, Paul; Stocks, Karen I.; Bailey, David; Baumann-Pickering, Simone; Beaverson, Chris; Benfield, Mark C.; Booth, David J.; Carreiro-Silva, Marina; Colaço, Ana; Eblé, Marie C.; Fowler, Ashley M.; Gjerde, Kristina M.; Jones, Daniel O. B.; Katsumata, K.; Kelley, Deborah; Le Bris, Nadine; Leonardi, Alan P.; Lejzerowicz, Franck; Macreadie, Peter I.; McLean, Dianne; Meitz, Fred; Morato, Telmo; Netburn, Amanda; Pawlowski, Jan; Smith, Craig R.; Sun, Song; Uchida, Hiroshi; Vardaro, Michael F.; Venkatesan, R.; Weller, Robert A.	Published	2019	Global Observing Needs in the Deep Ocean	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00241	X			X	
Weller, R.	Davis, Russ E.; Talley, Lynne D.; Roemmich, Dean; Owens, W. Brechner; Rudnick, Daniel L.; Toole, John; Weller, Robert; McPhaden, Michael J.; Barth, John A.	Published	2018	100 Years of Progress in Ocean Observing Systems	Meteorological Monographs	Journal	10.1175/AMSMONOGRAPHS-D-18-0014.1	X			X	
Weller, R.	Cronin, Meghan F.; Gentemann, Chelle L.; Edson, James; Ueki, Iwao; Bourassa, Mark; Brown, Shannon; Clayson, Carol Anne; Fairall, Chris W.; Farrar, J. Thomas; Gille, Sarah T.; Gulev, Sergey; Josey, Simon A.; Kato, Seiji; Katsumata, Masaki; Kent, Elizabeth; Krug, Marjolaine; Minnett, Peter J.; Parfitt, Rhys; Pinker, Rachel T.; Stackhouse, Paul W.; Swart, Sebastiaan; Tomita, Hiroyuki; Vandemark, Douglas; Weller, A. Robert; Yoneyama, Kunio; Yu, Lisan; Zhang, Dongxiao	Published	2019	Air-Sea Fluxes With a Focus on Heat and Momentum	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00430	X			X	
Weller, R.	Benway, Heather M.; Lorenzoni, Laura; White, Angelique E.; Fiedler, Björn; Levine, Naomi M.; Nicholson, David P.; DeGrandpre, Michael D.; Sosik, Heidi M.; Church, Matthew J.; O'Brien, Todd D.; Leinen, Margaret; Weller, Robert A.; Karl, David M.; Henson, Stephanie A.; Letelier, Ricardo M.	Published	2019	Ocean Time Series Observations of Changing Marine Ecosystems: An Era of Integration, Synthesis, and Societal Applications	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00393	X			X	
Moore, M.	Moore, M.; Rowles, T.; Fauquier, D.; Baker, J.; Biedron, I.; Durban, J.; Hamilto, P.; Henry, A.; Knowlton, A.; McLella, W.; Miller, C.; Pace, R.; Pettis, H.; Rolland, R.; Schick, R.; Sharp, S.; Smith, C.; Thomas, L.; van der Hoop, J.; Ziccardi, M.	In review	2019	Assessing North Atlantic Right Whale Health: What We Know, and Need to Do.	Diseases of Aquatic Organisms	Journal		X			X	
Moore, M.	Fauquier, D.; Long, K.; Biedron, I.; Wilkin, S.; Rowles, T.; Patterson, E.; Henry, A.; Garron, M.; Fougeres, E.; Baker, F.; Ziccardi, M.	In review	2019	Report of the Workshop on North Atlantic Right Whale Health Assessment, June 24-26, 2019.		Technical Report				X	X	

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Gallager, S.	Miller, Timothy J.; Hart, Deborah R.; Hopkins, Karen; Vine, Norman H.; Taylor, Richard; York, Amber D.; Gallager, Scott M.	Published	2019	Estimation of the capture efficiency and abundance of Atlantic sea scallops <i>Placopecten magellanicus</i> from paired photographic-dredge tows using hierarchical models	Canadian Journal of Fisheries and Aquatic Sciences	Journal	10.1139/cjfas-2018-0024	X			X	
Mooney, T.	Jones, Ian T.; Stanley, Jenni A.; Mooney, T. Aran	Published	2020	Impulsive pile driving noise elicits alarm responses in squid (<i>Doryteuthis pealeii</i>)	Marine Pollution Bulletin	Journal	10.1016/j.marpolbul.2019.110792	X			X	
Todd, R.	Todd, Robert; Owens, Brechner; National Science Foundation; Office Of Naval Research; NOAA Climate Observations Division; Eastman; WHOI; Instrument Development Group; Castelão, Guilherme		2016	Gliders in the Gulf Stream				X			X	
Todd, R.	Testor, Pierre; de Young, Brad; Rudnick, Daniel L.; Glenn, Scott; Hayes, Daniel; Lee, Craig M.; Pattiaratchi, Charitha; Hill, Katherine; Heslop, Emma; Turpin, Victor; Alenius, Pekka; Barrera, Carlos; Barth, John A.; Beaird, Nicholas; Bécu, Guislain; Bosse, Anthony; Bourrin, François; Brearley, J. Alexander; Chao, Yi; Chen, Sue; Chiggiato, Jacopo; Coppola, Laurent; Crout, Richard; Cummings, James; Curry, Beth; Curry, Ruth; Davis, Richard; Desai, Kruti; DiMarco, Steve; Edwards, Catherine; Fielding, Sophie; Fer, Ilker; Frajka-Williams, Eleanor; Gildor, Hezi; Goni, Gustavo; Gutierrez, Dimitri; Haugan, Peter; Hebert, David; Heiderich, Joleen; Henson, Stephanie; Heywood, Karen; Hogan, Patrick; Houpert, Loïc; Huh, Sik; E. Inall, Mark; Ishii, Masso; Ito, Shin-ichi; Itoh, Sachihiko; Jan, Sen; Kaiser, Jan; Karstensen, Johannes; Kirkpatrick, Barbara; Klymak, Jody; Kohut, Josh; Krahnemann, Gerd; Krug, Marjolaine; McClatchie, Sam; Marin, Frédéric; Mauri, Elena; Mehra, Avichal; P. Meredith, Michael; Meunier, Thomas; Miles, Travis; Morell, Julio M.; Mortier, Laurent; Nicholson, Sarah; O'Callaghan, Joanne; O'Conchubhair, Diarmuid; Oke, Peter; Pallàs-Sanz, Enric; Palmer, Matthew; Park, JongJin; Perivoliotis, Leonidas; Poulain, Pierre-Marie; Perry, Ruth; Queste, Bastien; Rainville, Luc; Rehm, Eric;	Published	2019	OceanGliders: A Component of the Integrated GOOS	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00422	X			X	

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Todd, R.	Todd, Robert E.; Chavez, Francisco P.; Clayton, Sophie; Cravatte, Sophie; Goes, Marlos; Graco, Michelle; Lin, Xiaopei; Sprintall, Janet; Zilberman, Nathalie V.; Archer, Matthew; Aristegui, Javier; Balmaseda, Magdalena; Bane, John M.; Baringer, Molly O.; Barth, John A.; Beal, Lisa M.; Brandt, Peter; Calil, Paulo H. R.; Campos, Edmo; Centurioni, Luca R.; Chidichimo, Maria Paz; Cirano, Mauro; Cronin, Meghan F.; Curchitser, Enrique N.; Davis, Russ E.; Dengler, Marcus; deYoung, Brad; Dong, Shenfu; Escribano, Ruben; Fassbender, Andrea J.; Fawcett, Sarah E.; Feng, Ming; Goni, Gustavo J.; Gray, Alison R.; Gutiérrez, Dimitri; Hebert, Dave; Hummels, Rebecca; Ito, Shin-ichi; Krug, Marjorlaine; Lacan, François; Laurindo, Lucas; Lazar, Alban; Lee, Craig M.; Lengaigne, Matthieu; Levine, Naomi M.; Middleton, John; Montes, Ivonne; Muglia, Mike; Nagai, Takeyoshi; Palevsky, Hilary I.; Palter, Jaime B.; Phillips, Helen E.; Piola, Alberto; Plueddemann, Albert J.; Qiu, Bo; Rodrigues, Regina R.; Roughan, Moninya; Rudnick, Daniel L.; Rykaczewski, Ryan R.; Saraceno, Martin; Seim, Harvey; Gupta, Alex Sen; Shannon, Lynne; Sloyan, Bernadette M.; Sutton, Adrienne J.; Thompson, LuAnne; Plas, Anja K. van der; Volkov, Denis; Wilkin, John; Zhang, Dongxiao; Zhang, Linlin	Published	2019	Global Perspectives on Observing Ocean Boundary Current Systems	Frontiers in Marine Science		10.3389/fmars.2019.00423	X			X	
Jayne, S.	Stammer, Detlef; Bracco, Annalisa; AchutaRao, Krishna; Beal, Lisa; Bindoff, Nathaniel L.; Braconnot, Pascale; Cai, Wenju; Chen, Dake; Collins, Matthew; Danabasoglu, Gokhan; Dewitte, Boris; Farneti, Riccardo; Fox-Kemper, Baylor; Fyfe, John; Griffies, Stephen M.; Jayne, Steven R.; Lazar, Alban; Lengaigne, Matthieu; Lin, Xiaopei; Marsland, Simon; Minobe, Shoshiro; Monteiro, Pedro M. S.; Robinson, Walter; Roxy, Mathew Koll; Rykaczewski, Ryan R.; Speich, Sabrina; Smith, Inga J.; Solomon, Amy; Storto, Andrea; Takahashi, Ken; Toniazzo, Thomas; Vialard, Jerome	Published	2019	Ocean Climate Observing Requirements in Support of Climate Research and Climate Information	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00444	X			X	
Wiffels, S.	Smith, Neville; Kessler, William S.; Cravatte, Sophie; Sprintall, Janet; Wiffels, Susan; Cronin, Meghan F.; Sutton, Adrienne; Serra, Yolande L.; Dewitte, Boris; Strutton, Peter G.; Hill, Katherine; Sen Gupta, Alex; Lin, Xiaopei; Takahashi, Ken; Chen, Dake; Brunner, Shelby	Published	2019	Tropical Pacific Observing System	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00031			X	X	

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Wiffels, S.	Sprintall, Janet; Gordon, Arnold L.; Wijffels, Susan E.; Feng, Ming; Hu, Shijian; Koch-Larrouy, Ariane; Phillips, Helen; Nugroho, Dwiyoga; Napitu, Asmi; Pujiana, Kandaga; Susanto, R. Dwi; Sloyan, Bernadette; Peña-Molino, Beatriz; Yuan, Dongliang; Riama, Nelly Florida; Siswanto, Siswanto; Kuswardani, Anastasia; Arifin, Zainal; Wahyudi, A'an J.; Zhou, Hui; Nagai, Taira; Ansong, Joseph K.; Bourdalle-Badié, Romain; Chanut, Jerome; Lyard, Florent; Arbic, Brian K.; Ramdhani, Andri; Setiawan, Agus	Published	2019	Detecting Change in the Indonesian Seas	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00257			X	X	
Jayne, S.	Roemmich, Dean; Alford, Matthew H.; Claustre, Hervé; Johnson, Kenneth; King, Brian; Moum, James; Oke, Peter; Owens, W. Brechner; Pouliquen, Sylvie; Purkey, Sarah; Scanderbeg, Megan; Suga, Toshio; Wijffels, Susan; Zilberman, Nathalie; Bakker, Dorothee; Baringer, Molly; Belbeoch, Mathieu; Bittig, Henry C.; Boss, Emmanuel; Calil, Paulo; Carse, Fiona; Carval, Thierry; Chai, Fei; Conchubhair, Diarmuid Ó.; d'Ortenzio, Fabrizio; Dall'Olmo, Giorgio; Desbruyeres, Damien; Fennel, Katja; Fer, Ilker; Ferrari, Raffaele; Forget, Gael; Freeland, Howard; Fujiki, Tetsuichi; Gehlen, Marion; Greenan, Blair; Hallberg, Robert; Hibiya, Toshiyuki; Hosoda, Shigeki; Jayne, Steven; Jochum, Markus; Johnson, Gregory C.; Kang, KiRyong; Kolodziejczyk, Nicolas; Körtzinger, Arne; Traon, Pierre-Yves Le; Lenn, Yueng-Djern; Maze, Guillaume; Mork, Kjell Arne; Morris, Tamaryn; Nagai, Takeyoshi; Nash, Jonathan; Garabato, Alberto Naveira; Olsen, Are; Pattabhi, Rama Rao; Prakash, Satya; Riser, Stephen; Schmechtig, Catherine; Schmid, Claudia; Shroyer, Emily; Sterl, Andreas; Sutton, Philip; Talley, Lynne; Tanhua, Toste; Thierry, Virginie; Thomalla, Sandy; Toole, John; Troisi, Ariel; Trull, Thomas W.; Turton, Jon; Velez-Belchi, Pedro Joaquin; Walczowski, Waldemar; Wang, Haili; Wanninkhof, Rik; Waterhouse, Amy F.; Waterman,	Published	2019	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00439	X			X	

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Wiffels, S.	Meysignac, Benoit; Boyer, Tim; Zhao, Zhongxiang; Hakuba, Maria Z.; Landerer, Felix W.; Stammer, Detlef; Köhl, Armin; Kato, Seiji; L'Ecuyer, Tristan; Ablain, Michael; Abraham, John Patrick; Blazquez, Alejandro; Cazenave, Anny; Church, John A.; Cowley, Rebecca; Cheng, Lijing; Domingues, Catia M.; Giglio, Donata; Gouretski, Viktor; Ishii, Masayoshi; Johnson, Gregory C.; Killick, Rachel E.; Legler, David; Llovel, William; Lyman, John; Palmer, Matthew Dudley; Piotrowicz, Steve; Purkey, Sarah G.; Roemmich, Dean; Roca, Rémy; Savita, Abhishek; Schuckmann, Karina von; Speich, Sabrina; Stephens, Graeme; Wang, Gongjie; Wijffels, Susan Elisabeth; Zilberman, Nathalie	Published	2019	Measuring Global Ocean Heat Content to Estimate the Earth Energy Imbalance	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00432			X	X	
Wiffels, S.	Palmer, Matthew D.; Durack, Paul J.; Chidichimo, Maria Paz; Church, John A.; Cravatte, Sophie; Hill, Katy; Johannessen, Johnny A.; Karstensen, Johannes; Lee, Tong; Legler, David; Mazloff, Matt; Oka, Eitarou; Purkey, Sarah; Rabe, Ben; Sallée, Jean-Baptiste; Sloyan, Bernadette M.; Speich, Sabrina; von Schuckmann, Karina; Willis, Josh; Wijffels, Susan	Published	2019	Adequacy of the Ocean Observation System for Quantifying Regional Heat and Freshwater Storage and Change	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00416			X	X	
Jayne, S.	Domingues, Ricardo; Kuwano-Yoshida, Akira; Chardon-Maldonado, Patricia; Todd, Robert E.; Halliwell, George; Kim, Hyun-Sook; Lin, I.-I.; Sato, Katsufumi; Narazaki, Tomoko; Shay, Lynn K.; Miles, Travis; Glenn, Scott; Zhang, Jun A.; Jayne, Steven R.; Centurioni, Luca; Le Hénaff, Matthieu; Foltz, Gregory R.; Bringas, Francis; Ali, M. M.; DiMarco, Steven F.; Hosoda, Shigeki; Fukuoka, Takuya; LaCour, Benjamin; Mehra, Avichal; Sanabia, Elizabeth R.; Gyakum, John R.; Dong, Jili; Knaff, John A.; Goni, Gustavo	Published	2019	Ocean Observations in Support of Studies and Forecasts of Tropical and Extratropical Cyclones	Frontiers in Marine Science	Journal	10.3389/fmars.2019.00446	X			X	
Baumgartner, M.	Silva, TI; Mooney, Ta; Sayigh, Ls; Baumgartner, Mf	Published	2019	Temporal and spatial distributions of delphinid species in Massachusetts Bay (USA) using passive acoustics from ocean gliders	Marine Ecology Progress Series	Journal	10.3354/meps13180	X			X	
Baumgartner, M.	Baumgartner, Mark F.; Bonnell, Julianne; Van Parijs, Sofie M.; Corkeron, Peter J.; Hotchkin, Cara; Ball, Keenan; Pelletier, Léo-Paul; Partan, Jim; Peters, Don; Kemp, John; Pietro, Jeff; Newhall, Kris; Stokes, Andrew; Cole, Tim V. N.; Quintana, Ester; Kraus, Scott D.	Published	2019	Persistent near real-time passive acoustic monitoring for baleen whales from a moored buoy: System description and evaluation	Methods in Ecology and Evolution	Journal	10.1111/2041-210X.13244	X			X	

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Baumgartner, M.	Baumgartner, Mark F.; Bonnell, Julianne; Corkeron, Peter J.; Van Parijs, Sofie M.; Hotchkin, Cara; Hodges, Ben A.; Bort Thornton, Jacqueline; Mensi, Bryan L.; Bruner, Scott M.	Published	2020	Slocum Gliders Provide Accurate Near Real-Time Estimates of Baleen Whale Presence From Human-Reviewed Passive Acoustic Detection Information	Frontiers in Marine Science	Journal	10.3389/fmars.2020.00100	X			X	
Weller, R.	Bigorre, Sebastien P.; Hasbrouck, E.; Pietro, B.; Search, F.; Alquinta, S.; Pezoa, S.; Llanos, N.	In press	2019	Eighteenth Setting of the Stratus Ocean Reference Station Cruise On Board RV Cabo de Hornos, April 8 – 27, 2019, Valparaiso, Chile.	Technical Report, Woods Hole Oceanographic Institution	Technical Report				X	X	

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Apprill / WHOI	Becker, Cc; Weber, L; Suca, Jj; Llopiz, Jk; Mooney, Ta; Apprill, A	Published	10/8/20	Microbial and nutrient dynamics in mangrove,	Aquatic Microbial Ecology	Journal	10.3354/ame01944	X			X	
Anderson / WHOI	Landrigan PJ, Stegman, J, Fleming, L., Allemand, D., Anderson, D. et al.	Published		Human Health and Ocean Pollution	Annals of Global Health. 2020	Journal	10.5334/aogh.2831	X			X	
Anderson / WHOI	Proshutinsky, J. M. Toole, R. A. Krishfield, D. M. Anderson, C. J. Ashjian, A. B. Baggeroer, L. Freitag, R. S. Pickart, and K. von der Heydt	Published	10/28/20	Celebrating 90 years of Arctic Ocean Study by the Woods Hole Oceanographic Institution	Journal of Oceanological Research 48 (3): 164–198	Journal	10.29006/1564-2291.JOR-2020.48(3).10	X			X	
Anderson / WHOI	Donald M. Anderson, Evangeline Fachon, Robert S. Pickart, Peigen Lin, Alexis D. Fischer, Mindy L. Richlen, Victoria Uva, Michael Brosnahan, Leah McRaven, Frank Bahr, Kathi Lefebvre, Jacqueline M. Grebmeier, Seth Danielson, Yihua Lyu, Yuri Fukai	Submitted		Evidence for massive and recurrent toxic blooms of Alexandrium catenella in the Alaskan Arctic		Journal	Not yet published	X			X	
Anderson / WHOI	Yuri Fukai, Kohei Matsuno, Amane Fujiwara, Koji Suzuki, Mindy Richlen, Evangeline Fachon, Don Anderson,	Submitted		Impact of sea-ice dynamics on the spatial distribution of diatom resting stages in sediments of the Pacific-Arctic Ocean	Journal of Geophysical Research	Journal	Not yet published	X			X	
Anderson / WHOI	Anderson, D. M., E. Fensin, C. J. Gobler, A. E. Hoeglund, K. Hubbard, D. M. Kulis, J. H. Landsberg, K. A. Lefebvre, P. Provoost, M. L. Richlen, J.L. Smith, A. R. Solow, and V. L. Trainer	Published	1/1/21	Marine harmful algal blooms (HABs) in the United States: history, current status and future trends	Harmful Algae	Journal	10.1016/j.hal.2021.101975	X			X	
Kwon / WHOI	Chen, Z., Y.-O. Kwon, K. Chen, P. Fratantoni, G. Gawarkiewicz, T.J. Joyce, T.J. Miller, J.A. Nye, V.S. Saba, and B.C. Stock	In Review		Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf	J. Geophysics	Journal	Not yet published	X			X	
Kwon / WHOI	Cai, C., Y.-O. Kwon, Z. Chen, and P.S. Fratantoni	In Review		Mixed layer depth climatology over the Northeast U.S. continental shelf (1993-2018)	Continental Shelf Resources	Journal	Not yet published	X			X	
Lohrenz / SMAST	Griffin, Robert; Vogl, Adrian; Wolny, Stacie; Covino, Stefanie; Monroy, Eivy; Ricci, Heidi; Sharp, Richard; Schmidt, Courtney; Uchida, Emi	Published	2020-11	Including Additional Pollutants into an Integrated Assessment Model for Estimating Nonmarket Benefits from Water Quality	Land Economics	Journal	10.3368/wple.96.4.457	X			X	
Lohrenz / SMAST	Griffin, Robert	Published	2020	Adapting to Rising Tides Bay Area: Regional Sea Level Rise Vulnerability and Adaptation Study		Report	Not available	X				X
Moore / WHOI	Joshua D. Stewart, John W. Durban, Amy R. Knowlton, Morgan S. Lynn, Holly Fearnbach, Jacob Barbaro, Wayne L. Perryman, Michael J. Moore	In Review		Decreasing body sizes are a troubling trend in North Atlantic Right Whales	Current Biology	Journal	Not yet published	X			X	
Moore / WHOI	Moore, Mj; Rowles, Tk; Fauquier, Da; Baker, Jd; Biedron, I; Durban, Jw; Hamilton, Pk; Henry, Ag; Knowlton, Ar; McLellan, Wa; Miller, Ca; Pace, Rm; Pettis, Hm; Raverty, S; Rolland, Rm; Schick, Rs; Sharp, Sm; Smith, Cr; Thomas, L; van der Hoop, Jm; Ziccardi, Mh	Published	2/25/21	REVIEW Assessing North Atlantic right whale health: threats, and development of tools critical for conservation of the species	Diseases of Aquatic Organisms		10.3354/dao03578	X			X	

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Nesslage / UMCES	Nesslage, G., A.M. Schueller, A. Rezek, R.M. Mroch III	In Review		A performance evaluation of ageing error metrics for the diagnosis of imprecision and bias in paired age comparisons	ICES Journal of Marine Science	Journal	Not yet published	X			X	
Pickart / WHOI	Tian, F., R.S. Pickart, P. Lin, A. Pacini, G.W.K. Moore, P. Stabeno, T.J. Weingartner, M. Itoh, T. Kikuchi, E. Dobbins, S. Bell, R. A. Woodgate, S.L. Danielson, Z. Wang	In Review		Mean and seasonal circulation of the Eastern Chukchi Sea from moored timeseries in 2013-14	Journal of Geophysical Research: Oceans	Journal	Not yet published	X			X	
Pickart / WHOI	Ashjian, C.J., R.S. Pickart, R.G. Campbell, Z. Feng, C. Gelfman, P. Alatalo, and J. Zhang	In Review		Springtime renewal of zooplankton populations in the Chukchi Sea	Progress in Oceanography	Journal	Not yet published	X			X	
Pickart / WHOI	Li, J., P. Lin, R.S. Pickart, and X.Y. Yang	In Review		Time dependent flow of Atlantic Water on the continental slope of the Beaufort Sea based on moorings	Journal of Geophysical Research: Oceans	Journal	Not yet published	X			X	
Pickart / WHOI	Pickart, R.S., M.A. Spall, P. Lin, F. Bahr, L.T. McRaven, K.R. Arrigo, and J.M. Grebmeier	In Review		Physical controls on the benthic biomass in Barrow Canyon, Chukchi Sea	Journal of Geophysical Research: Oceans	Journal	Not yet published	X			X	
Pickart / WHOI	Kipp, L. E.; Spall, M. A.; Pickart, R. S.; Kadko, D. C.; Moore, W. S.; Dabrowski, J. S.; Charette, M. A.	Published	2020-05	Observational and Modeling Evidence of Seasonal Trends in Sediment-Derived Material Inputs to the Chukchi Sea	Journal of Geophysical Research: Oceans	Journal	10.1029/2019JC016007	X			X	
Pickart / WHOI	Danielson, S.L.; Ahkinga, O.; Ashjian, C.; Basyuk, E.; Cooper, L.W.; Eisner, L.; Farley, E.; Iken, K.B.; Grebmeier, J.M.; Juranek, L.; Khen, G.; Jayne, S.R.; Kikuchi, T.; Ladd, C.; Lu, K.; McCabe, R.M.; Moore, G.W.K.; Nishino, S.; Ozenna, F.; Pickart, R.S.; Polyakov, I.; Stabeno, P.J.; Thoman, R.; Williams, W.J.; Wood, K.; Weingartner, T.J.	Published	2020-07	Manifestation and consequences of warming and altered heat fluxes over the Bering and Chukchi Sea continental shelves	Deep Sea Research Part II: Topical Studies in Oceanography	Journal	10.1016/j.dsr2.2020.104781	X			X	
Pickart / WHOI	Boury, Samuel; Pickart, Robert S.; Odier, Philippe; Lin, Peigen; Li, Min; Fine, Elizabeth C.; Simmons, Harper L.; MacKinnon, Jennifer A.; Peacock, Thomas	Published	2020-06	Whither the Chukchi Slope Current?	Journal of Physical Oceanography	Journal	10.1175/JPO-D-19-0273.1	X			X	
Pickart / WHOI	Li, Jianqiang; Pickart, Robert S.; Lin, Peigen; Bahr, Frank; Arrigo, Kevin R.; Juranek, Laurie; Yang, Xiao-Yi	Published	2020-08	The Atlantic Water Boundary Current in the Chukchi Borderland and Southern Canada Basin	Journal of Geophysical Research: Oceans	Journal	10.1029/2020JC016197	X			X	
Todd / WHOI	Todd, Robert E.	Published	2020-04	Export of Middle Atlantic Bight Shelf Waters Near Cape Hatteras From Two Years of Underwater Glider Observations	Journal of Geophysical Research: Oceans	Journal	10.1029/2019JC016006	X			X	
Todd / WHOI	Todd, Robert E.	Published	3/28/21	Gulf Stream Mean and Eddy Kinetic Energy: Three-Dimensional Estimates From Underwater Glider Observations	Geophysical Research Letters	Journal	10.1029/2020GL090281	X			X	
Weller / WHOI	Stevens, B. et al.	Submitted	2021	EUREC ⁴ A	AGU Advances	Journal	Not yet published	X			X	
Weller / WHOI	Weller, RA	Published	7/12/05	OceanSITES: Taking the pulse of the global ocean.	Woods Hole Oceanographic	Report	Not available	X			X	
Weller / WHOI	Zippel, S. F., J. T. Farrar, C. Zappa, U. Miller, L. St. Laurent, T. Ijichi, R. A. Weller, L. McRaven, and D. Le Bel,	Submitted	2021	TKE dissipation rate estimates from pulse-coherent ADCPs on moorings	J. Atmos. Oceanic. Tech	Journal	Not yet published	X			X	
Weller / WHOI	Bigorre, S., E. Hasbrouck, B. Pietro, F. Search, S. Alquinta, S. Pezoa, and N. Llanos	Published	2020	Eighteenth setting of the Stratus Ocean Reference Station: Cruise on Board RV Cabo de Hornos, April 8-27, 2019, Valparaiso, Chile-Valparaiso, Chile	Woods Hole Oceanographic Institution	Report	Not available	X				X

PI Name / CI Name	Author Names	Status of Publication (In Review , In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Weller / WHOI	Bigorre, S., B. Pietro, and E. Hasbrouck, 2020	Published	2020	The Northwest Tropical Atlantic Station (NTAS): NTAS-18 Mooring Turnaround Cruise Report: Cruise on Board RV Ronald H. Brown, January 6-26, 2020, Bridgetown, Barbados-Bridgetown, Barbados	Woods Hole Oceanographic Institution	Report	Not available	X				X
Weller / WHOI	Bigorre, Sebastien P.; Plueddemann, Albert J.	Published	1/15/21	The Annual Cycle of Air-Sea Fluxes in the Northwest Tropical Atlantic	Frontiers in Marine Science	Journal	10.3389/fmars.2020.612842	X			X	
Weller / WHOI	Schlundt, Michael; Farrar, J. Thomas; Bigorre, Sebastien P.; Plueddemann, Albert J.; Weller, Robert A.	Published	2020-04	Accuracy of Wind Observations from Open-Ocean Buoys: Correction for Flow Distortion	Journal of Atmospheric and Oceanic Technology	Journal	10.1175/JTECH-D-19-0132.1	X			X	
Weller / WHOI	Zeng, Xubin; Atlas, Robert; Birk, Ronald J.; Carr, Frederick H.; Carrier, Matthew J.; Cucurull, Lidia; Hooke, William H.; Kalnay, Eugenia; Murtugudde, Raghu; Posselt, Derek J.; Russell, Joellen L.; Tyndall, Daniel P.; Weller, Robert A.; Zhang, Fuqing	Published	8/1/20	Use of Observing System Simulation Experiments in the United States	Bulletin of the American Meteorological Society	Journal	10.1175/BAMS-D-19-0155.1	X			X	
Wijffels, / WHOI	Johnson, G. C., S. Hosoda, S. Jayne, P. Oke, S. C. Riser, R. Roemmich, T. Suga, V. Thierry, S. Wijffels, J. Xu	In Review		Argo — Two Decades: Global Oceanography, Revolutionized	Annual Reviews of Marine Science	Journal	Not yet published	X			X	
Wijffels / WHOI	Wong, A., S. Wijffels, S. C. Riser et al...W. B., Owens, C. Hersh, S. Jayne, P. Robbins,D. Mack West, F. Bahr, S. Yoshida, et al.	Published	9/15/20	Argo Data 1999–2019: Two Million Temperature-Salinity Profiles and Subsurface Velocity Observations From a Global Array of Profiling Floats	Frontiers in Marine Science	Journal	10.3389/fmars.2020.00700	X			X	
Yu / WHOI	Beal, Lisa M.; Vialard, Jérôme; LOCEAN-IPSL, Sorbonne Universités (UPMC, Univ. Paris 06)-CNRS-IRD-MNHN, Paris, France; Roxy, Mathew K.; Indian Institute of Tropical Meteorology (IITM), India	Published	9/12/19	Executive Summary: IndOOS-2: A Roadmap to Sustained Observations of the Indian Ocean for 2020-2030	Rosenstiel School of Marine and Atmospheric Science, University of Miami	Journal	10.36071/clivar.rp.4-1.2019	X			X	
WHOI	Woods Hole Oceanographic Institution	Published	Mar-21	Proceedings of the Workshop on the Socio-economic Effects of Harmful Algal Blooms in the United States, U.S.	National Office for Harmful Algal Blooms, WHOI	Report	Not available	X				X

Appendix 3: Cooperative Institute of the North Atlantic Region (CINAR) Publications 2021-2022														
PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed		
Anderson / WHOI	Anderson, Donald M.; Fachon, Evangeline; Pickart, Robert S.; Lin, Peigen; Fischer, Alexis D.; Richlen, Mindy L.; Uva, Victoria; Brosnahan, Michael L.; McRaven, Leah; Bahr, Frank; Lefebvre, Kathi; Grebmeier, Jacqueline M.; Danielson, Seth L.; Lyu, Yihua; Fukai, Yuri	Published	10/12/21	Evidence for massive and recurrent toxic blooms of <i>Alexandrium catenella</i> in the Alaskan Arctic, 118.	Proceedings of the National Academy of Sciences	Journal	10.1073/pnas.2107387118	X			X			
Anderson / WHOI	Anderson, Donald M.; Fensin, Elizabeth; Gobler, Christopher J.; Hoeglund, Alicia E.; Hubbard, Katherine A.; Kulis, David M.; Landsberg, Jan H.; Lefebvre, Kathi A.; Provoost, Pieter; Richlen, Mindy L.; Smith, Juliette L.; Solow, Andrew R.; Trainer, Vera L.	Published	2021-02	Marine harmful algal blooms (HABs) in the United States: History, current status and future trends, 102.	Harmful Algae	Journal	10.1016/j.hal.2021.101975	X			X			
Anderson / WHOI	Fukai, Yuri; Matsuno, Kohei; Fujiwara, Amane; Suzuki, Koji; Richlen, Mindy L.; Fachon, Evangeline; Anderson, Donald M.	Published	2021-07	Impact of Sea-Ice Dynamics on the Spatial Distribution of Diatom Resting Stages in Sediments of the Pacific Arctic Region, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017223	X			X			
Anderson / WHOI	Anderson, Donald; Fachon, Evangeline; Hubbard, Katherine; Lefebvre, Kathi; Lin, Peigen; Pickart, Robert; Richlen, Mindy; Sheffield, Gay; Van Hemert, Caroline	Published	2022	Harmful Algal Blooms in the Alaskan Arctic: An Emerging Threat as the Ocean Warms	Oceanography	Journal	10.5670/oceanog.2022.121	X			X			
Anderson / WHOI	Hallegraef, G.M., et al.	Published		Global HAB Status Report. A Scientific Summary for Policy Makers	Paris, UNESCO. (IOC Information Document, 1399.)	Report		X			X			
Apprill / WHOI	Ma, L; Becker, C; Weber, L; Sullivan, C; Zgliczynski, B; Sandin, S; Brandt, M; Smith, Tb; Apprill, A	Published	3/31/22	Biogeography of reef water microbes from within-reef to global scales, 88: 81-94	Aquatic Microbial Ecology	Journal	10.3354/ame01985	X			X			
Apprill / WHOI	Becker, Cynthia C.; Brandt, Marilyn; Miller, Carolyn A.; Apprill, Amy	Published	2022-03	Microbial bioindicators of Stony Coral Tissue Loss Disease identified in corals and overlying waters using a rapid field-based sequencing approach, 24: 1166-1182	Environmental Microbiology	Journal	10.1111/1462-2920.15718	X			X			
Apprill / WHOI	Huntley, N.; Brandt, M.; Becker, C.; Apprill, A.	In press		Experimental transmission of Stony Coral Tissue Loss Disease results in differential microbial responses within coral mucus and tissue	ISME Communications	Journal		X			X			
Baumgartner / WHOI	Baumgartner, Mark F.; Ball, Keenan; Partan, Jim; Pelletier, Léo-Paul; Bonnell, Julianne; Hotchkin, Cara; Corkeron, Peter J.; Van Parijs, Sofie M.	Published	2021-05	Near real-time detection of low-frequency baleen whale calls from an autonomous surface vehicle: Implementation, evaluation, and remaining challenges, 149:2950-2962.	The Journal of the Acoustical Society of America	Journal	10.1121/10.0004817	X			X			
Cadrin / SMAST	Cadrin, S.; Frey, A.; DeCelles; Van Parijs; McGuire; Camisa	Published		Assessing potential impacts of offshore wind development on a species vulnerable to climate change	ICES CM C:369	Report		X			X			
Fay / SMAST	Fay, G.	Published	2021	Northeast Ecosystem and Socio-Economic Profile Workshop Report: Developing Ecosystem & Socioeconomic Profiles in the Northeast	NEFSC Workshop report	Report		X			X			
Grebmeier / UMCES	Pickart, Robert S.; Spall, Michael A.; Lin, Peigen; Bahr, Frank; McRaven, Leah T.; Arrigo, Kevin R.; Grebmeier, Jacqueline M.	Published	2021-05	Physical Controls on the Macrofaunal Benthic Biomass in Barrow Canyon, Chukchi Sea, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2020JC017091	X			X			
Grebmeier / UMCES	Gemery, Laura; Cronin, Thomas M.; Cooper, Lee W.; Dowsett, Harry J.; Grebmeier, Jacqueline M.	Published	5/13/21	Biogeography and ecology of Ostracoda in the U.S. northern Bering, Chukchi, and Beaufort Seas, 16.	PLOS ONE	Journal	10.1371/journal.pone.0251164	X			X			
Grebmeier / UMCES	Moore, Sue E.; Clarke, Janet T.; Okkonen, Stephen R.; Grebmeier, Jacqueline M.; Berchok, Catherine L.; Stafford, Kathleen M.	Published	4/7/22	Changes in gray whale phenology and distribution related to prey variability and ocean biophysics in the northern Bering and eastern Chukchi seas, 17.	PLOS ONE	Journal	10.1371/journal.pone.0265934	X			X			

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Grebeimer / UMCES	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Emily K.; Kimmel, David G.; Snyder, Jonathan A.; Stimmelmayer, Raphaela; Grebeimer, Jacqueline M.; Kibler, Steve; Ransom Hardison, D.; Anderson, Donald M.; Kulis, David; Murphy, Jim; Gann, Jeanette C.; Cooper, Dan; Eisner, Lisa B.; Duffy-Anderson, Janet T.; Sheffield, Gay; Pickart, Robert S.; Mounsey, Anna; Willis, Maryjean L.; Stabeno, Phyllis; Siddon, Elizabeth	Published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walruses and bowhead whales, 114	Harmful Algae	Journal	10.1016/j.hal.2022.102205	X			X	
Grebeimer / UMCES	Frey, K. E.	Published	2021	NOAA Arctic Report Card 2021: Arctic Ocean Primary Productivity: The Response of Marine Algae to Climate Warming and Sea Ice Decline	NOAA Arctic Report	Journal	10.25923/KXHB-DW16	X			X	
Grebeimer / UMCES	University of Alaska Fairbanks; Danielson, Seth; Grebeimer, Jacqueline; Iken, Katrin; Berchok, Catherine; Britt, Lyle; Dunton, Kenneth; Eisner, Lisa; Farley, Edward; Fujiwara, Amane; Hauser, Donna; Itoh, Motoyo; Kikuchi, Takashi; Kotwicki, Stan; Kuletz, Kathy; Mordy, Calvin; Nishino, Shigeto; Peralta-Ferriz, Cecilia; Pickart, Robert; Stabeno, Phyllis; Stafford, Kathleen; Whiting, Alex; Woodgate, Rebecca	Published	2022	Monitoring Alaskan Arctic Shelf Ecosystems Through Collaborative Observation Networks	Oceanography	Journal	10.5670/oceanog.2022.119	X			X	
Grebeimer / UMCES	Anderson, Donald M.; Fachon, Evangeline; Pickart, Robert S.; Lin, Peigen; Fischer, Alexis D.; Richlen, Mindy L.; Uva, Victoria; Brosnahan, Michael L.; McRaven, Leah; Bahr, Frank; Lefebvre, Kathi; Grebeimer, Jacqueline M.; Danielson, Seth L.; Lyu, Yihua; Fukai, Yuri	Published	10/12/21	Evidence for massive and recurrent toxic blooms of <i>Alexandrium catenella</i> in the Alaskan Arctic, 118.	Proceedings of the National Academy of Sciences	Journal	10.1073/pnas.2107387118	X			X	
Grebeimer / UMCES	Muller-Karger, Frank; Kavanaugh, Maria; Iken, Katrin; Montes, Enrique; Chavez, et al.	Published	5/1/21	Marine Life 2030: Forecasting Changes to Ocean Biodiversity to Inform Decision-Making: A Critical Role for the Marine Biodiversity Observation Network (MBON), 55: 84-85.	Marine Technology Society Journal	Journal	10.4031/MTSJ.55.3.28	X			X	
Grebeimer / UMCES	University of Alaska Fairbanks; Mueter, Franz; Iken, Katrin; Cooper, Lee; Grebeimer, et al.	Published	6/1/21	Changes in Diversity and Species Composition Across Multiple Assemblages in the eastern Chukchi Sea During Two Contrasting Years are Consistent with Borealization, 34.	Oceanography	Journal	10.5670/oceanog.2021.213	X			X	
Grebeimer / UMCES	Lalande, Catherine; Grebeimer, Jacqueline M.; McDonnell, Andrew M. P.; Hopcroft, Russell R.; O'Daly, Stephanie; Danielson, Seth L.	Published	8/16/21	Impact of a warm anomaly in the Pacific Arctic region derived from time-series export fluxes, 16.	PLOS ONE	Journal	10.1371/journal.pone.0255837	X			X	
Grebeimer / UMCES	Koch, Chelsea W.; Cooper, Lee W.; Woodland, Ryan J.; Grebeimer, Jacqueline M.; Frey, Karen E.; Stimmelmayer, Raphaela; Magen, Cédric; Brown, Thomas A.	Published	8/19/21	Female Pacific walruses (<i>Odobenus rosmarus divergens</i>) show greater partitioning of sea ice organic carbon than males: Evidence from ice algae trophic markers, 16.	PLOS ONE	Journal	10.1371/journal.pone.0255686	X			X	
Grebeimer / UMCES	Gaffey, C.B.; Frey, K.E.; Cooper, L.W.; Grebeimer, J.M.	In press	2022	Phytoplankton bloom stage estimated from chlorophyll pigment proportions suggest delayed summer production in low sea ice years in the northern Bering Sea		Journal		X			X	
Greig / Umaine	Jackson, J.K.; Entekin, S.A.; Greig, H.S.; Roy, A.H.	In press		Atlantic coast rivers of the northeastern united states, 2.	Rivers of North America	Book Chapter		X			X	
Greig / Umaine	Greig, H.S.	Published		Rivers: dynamic ecosystems that carve and connect the landscape	Our Maine. Downeast Press	Book Chapter		X			X	
Kwon / WHOI	Cai, Cassia; Kwon, Young-Oh; Chen, Zhuomin; Fratantoni, Paula	Published	2021-12	Mixed layer depth climatology over the northeast U.S. continental shelf (1993–2018), 231.	Continental Shelf Research	Journal	10.1016/j.csr.2021.104611	X			X	

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Kwon / WHOI	Chen, Zhuomin; Kwon, Young-Oh; Chen, Ke; Fratantoni, Paula; Gawarkiewicz, Glen; Joyce, Terence M.; Miller, Timothy J.; Nye, Janet A.; Saba, Vincent S.; Stock, Brian C.	Published	2021-05	Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017187	X			X	
Lohrenz / SMAST	Salois, S.L.; Hyde, K.J.W.; Silver, A.M.; et al.	In review	2022	Shelf break exchange processes influence the availability of the Northern shortfin squid, <i>Illex illecebrosus</i> , in the Northwest		Journal		X			X	
Lohrenz / SMAST	Salois, S.L.; Hyde, K.J.W.; Silver, A.M.; et al.	Published	2022	Oceanographic indicators for the Northern shortfin squid (<i>Illex illecebrosus</i>) in the Northwest Atlantic	Report of the Illex 2021 Research Track Assessment Working Group	Report		X			X	
Mills / GMRI	Barajas, Miguel F.; Sheehan, Timothy F.; Haas-Castro, Ruth E.; Ellingson, Brandon; Mills, Katherine E.	Published	2022-06	Retrospective analysis of marine growth and relationships to return rates of Penobscot River Atlantic salmon, 79:863-874.	Canadian Journal of Fisheries and Aquatic Sciences	Journal	10.1139/cjfas-2021-0142	X			X	
Mills / GMRI	Tillotson, Michael D; Sheehan, Timothy F; Ellingson, Brandon; Haas-Castro, Ruth E; Olmos, Maxime; Mills, Katherine E	Published	10/27/21	Non-stationary effects of growth on the survival of North American Atlantic salmon, 78: 2967-2982.	ICES Journal of Marine Science	Journal	10.1093/icesjms/fsab174	X			X	
Mills / GMRI	Carlson, Lindsay G.; Sheehan, Timothy F.; Tillotson, Michael D.; Mills, Katherine E.	Published	2021-09	Date of marine annulus formation in Atlantic salmon and implications for retrospective growth analyses using scales, 99: 796-806.	Journal of Fish Biology	Journal	10.1111/jfb.14763	X			X	
Oliveira / SMAST	Barajas, Miguel F.; Sheehan, Timothy F.; Haas-Castro, Ruth E.; Ellingson, Brandon; Mills, Katherine E.	Published	2022-06	Retrospective analysis of marine growth and relationships to return rates of Penobscot River Atlantic salmon, 79:863-874.	Canadian Journal of Fisheries and Aquatic Sciences	Journal	10.1139/cjfas-2021-0142	X			X	
Oliveira / SMAST	Tillotson, Michael D; Sheehan, Timothy F; Ellingson, Brandon; Haas-Castro, Ruth E; Olmos, Maxime; Mills, Katherine E	Published	10/27/21	Non-stationary effects of growth on the survival of North American Atlantic salmon, 78: 2967-2982.	ICES Journal of Marine Science	Journal	10.1093/icesjms/fsab174	X			X	
Oliveira / SMAST	Carlson, Lindsay G.; Sheehan, Timothy F.; Tillotson, Michael D.; Mills, Katherine E.	Published	2021-09	Date of marine annulus formation in Atlantic salmon and implications for retrospective growth analyses using scales, 99: 796-806.	Journal of Fish Biology	Journal	10.1111/jfb.14763	X			X	
Pickart / WHOI	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Emily K.; Kimmel, David G.; Snyder, Jonathan A.; Stimmelmayer, Raphaela; Grebmeier, Jacqueline M. et al.	Published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walruses and bowhead whales, 144.	Harmful Algae	Journal	10.1016/j.hal.2022.102205	X			X	
Pickart / WHOI	Anderson, Donald M.; Fachon, Evangeline; Pickart, Robert S.; Lin, Peigen; Fischer, Alexis D.; Richlen, Mindy L.; Uva, Victoria; Brosnahan, Michael L.; McRaven, Leah; Bahr, Frank; Lefebvre, Kathi; Grebmeier, Jacqueline M.; Danielson, Seth L.; Lyu, Yihua; Fukai, Yuri	Published	10/12/21	Evidence for massive and recurrent toxic blooms of <i>Alexandrium catenella</i> in the Alaskan Arctic, 118.	Proceedings of the National Academy of Sciences	Journal	10.1073/pnas.2107387118	X			X	
Pickart / WHOI	Lin, Peigen; Pickart, Robert S.; Våge, Kjetil; Li, Jianqiang	Published	10/28/21	Fate of Warm Pacific Water in the Arctic Basin, 48.	Geophysical Research Letters	Journal	10.1029/2021GL094693	X			X	
Pickart / WHOI	Ovall, Bridget; Pickart, Robert S.; Lin, Peigen; Stabeno, Phyllis; Weingartner, Thomas; Itoh, Motoyo; Kikuchi, Takashi; Dobbins, Elizabeth; Bell, Shaun	Published	2021-12	Ice, wind, and water: Synoptic-scale controls of circulation in the Chukchi Sea, 199.	Progress in Oceanography	Journal	10.1016/j.pcean.2021.102707	X			X	
Pickart / WHOI	Wang, Hongjie; Lin, Peigen; Pickart, Robert S.; Cross, Jessica N.	Published	2022-01	Summer Surface CO2 Dynamics on the Bering Sea and Eastern Chukchi Sea Shelves From 1989 to 2019, 127.	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017424	X			X	
Pickart / WHOI	Alfred Wegener Institute; von Appen, Wilken-Jon; Baumann, Till; Janout, Markus; Koldunov, Nikolay; Lenn, Yueng-Djern; Pickart, Robert; Scott, Robert; Wang, Qiang	Published	2022	Eddies and the Distribution of Eddy Kinetic Energy in the Arctic Ocean	Oceanography	Journal	10.5670/oceanog.2022.122	X			X	

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Pickart / WHOI	Anderson, Donald; Fachon, Evangeline; Hubbard, Katherine; Lefebvre, Kathi; Lin, Peigen; Pickart, Robert; Richlen, Mindy; Sheffield, Gay; Van Hemert, Caroline	Published	2022	Harmful Algal Blooms in the Alaskan Arctic: An Emerging Threat as the Ocean Warms	Oceanography	Journal	10.5670/oceanog.2022.121	X			X	
Pickart / WHOI	Li, Shutong; Lin, Peigen; Dou, Tingfeng; Xiao, Cunde; Itoh, Motoyo; Kikuchi, Takashi; Qin, Dahe	Published	2022-03	Upwelling of Atlantic Water in Barrow Canyon, Chukchi Sea, 127	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017839	X			X	
Pickart / WHOI	Tian, Fei; Pickart, Robert S.; Lin, Peigen; Pacini, Astrid; Moore, G. W. K.; Stabeno, Phyllis; Weingartner, Thomas; Itoh, Motoyo; Kikuchi, Takashi; Dobbins, Elizabeth; Bell, Shaun; Woodgate, Rebecca A.; Danielson, Seth L.; Wang, Zhaomin	Published	2021-05	Mean and Seasonal Circulation of the Eastern Chukchi Sea From Moored Timeseries in 2013–2014, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2020JC016863	X			X	
Pickart / WHOI	Ashjian, Carin J.; Pickart, Robert S.; Campbell, Robert G.; Feng, Zhixuan; Gelfman, Cecilia; Alatalo, Philip; Zhang, Jinlun	Published	2021-09	Springtime renewal of zooplankton populations in the Chukchi Sea, 197.	Progress in Oceanography	Journal	10.1016/j.pocean.2021.102635	X			X	
Pickart / WHOI	Li, Jianqiang; Lin, Peigen; Pickart, Robert S.; Yang, Xiao-Yi	Published	2021-06	Time Dependent Flow of Atlantic Water on the Continental Slope of the Beaufort Sea Based on Moorings, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2020JC016996	X			X	
Pickart / WHOI	Leng, Hengling; Spall, Michael A.; Pickart, Robert S.; Lin, Peigen; Bai, Xuezhi	Published	2021-05	Origin and Fate of the Chukchi Slope Current Using a Numerical Model and In-Situ Data, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017291	X			X	
Pickart / WHOI	Einarsson, S.V., K Lowry, P. Lin, R.S. Pickart, and C.J. Ashjian.	Submitted		Impact of upwelling	Journal of the International Society for Microbial Ecology	Journal	10.1029/2021JC017291	X			X	
Pickart / WHOI	Selden, C.R., S.V. Einarsson, K. Lowry, K. Crider, R.S. Pickart, P. Lin, C. Ashjian, and P. D. Chappell.	Submitted		Coastal upwelling enhances abundance of a symbiotic diazotroph (UCYN-A) and its haptophyte host in the Arctic Ocean	Frontiers in Marine Science	Journal	10.1029/2021JC017291	X			X	
Sherwood / GMRI	Sherwood, G.	Published	2021	Final report of IN FISH 2021	NOAA Northeast Fisheries Science Center	Report		X			X	
Stoll / Umaine	Advani, S., et al.	In review		Incorporating direct seafood marketing data into our understanding of US food systems	Marine Policy	Journal		X			X	
Stoll / Umaine	Stoll, J.; da Silva, Pinto; Ragland, Edward	Published		Developing a benchmark survey of direct seafood marketing practices to strengthen local and regional food systems		Report		X			X	
Todd / WHOI	Rutgers, The State University of New Jersey; Miles, Travis; Zhang, Dongxiao; Foltz, Gregory; Zhang, Jun; et al.	Published	12/1/21	Uncrewed Ocean Gliders and Saildrones Support Hurricane Forecasting and Research, 78-81	Oceanography	Journal	10.5670/oceanog.2021.supplement.02-28	X			X	
Todd / WHOI	Andres, M.	Published	2021-09	Spatial and Temporal Variability of the Gulf Stream Near Cape Hatteras, 126.	Journal of Geophysical Research: Oceans	Journal	10.1029/2021JC017579	X			X	
Weller / WHOI	Weller, R.A.; Lukas, R.; Potemra, A.; Plueddemann, A.; Fairall, C.; Bigorre, S.	Submitted	2021	Ocean Reference Stations: Long-Term, open ocean observations of surface meteorology and air-sea fluxes as benchmarks	Bull. Amer. Met. Soc.	Journal		X			X	
Weller / WHOI	Joseph, K. Jossia; Tandon, Amit; Venkatesan, R.; Farrar, J. Thomas; Weller, Robert A.	Published	2022-02	Longwave Radiation Corrections for the OMNI Buoy Network, 39: 271-282.	Journal of Atmospheric and Oceanic Technology	Journal	10.1175/JTECH-D-21-0069.1	X			X	
Weller / WHOI	Weller, Robert A; Lukas, Roger; Potemra, James; Plueddemann, Albert. J.; Fairall, Chris; Bigorre, Sebastien	Published	6/3/22	Ocean Reference Stations: Long-term, open ocean observations of surface meteorology and air-sea fluxes are essential benchmarks	Bulletin of the American Meteorological Society	Journal	10.1175/BAMS-D-21-0084.1	X			X	
Weller / WHOI	Ranganatha, S.R.; Weller, R.A.; Venkatsen, R.; Tandon, A.; Mohapatra, M.	Submitted		Cyclone Amphan: Real time observations in the Bay of Bengal ad the challenges	Journal of Atmospheric and Oceanic Technology	Journal		X			X	

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Wiffells / WHOI	Johnson, Gregory C.; Hosoda, Shigeki; Jayne, Steven R.; Oke, Peter R.; Riser, Stephen C.; Roemmich, Dean; Suga, Tohsio; Thierry, Virginie; Wiffells, Susan E.; Xu, Jianping	Published	1/3/22	Argo—Two Decades: Global Oceanography, Revolutionized, 14:379-403	Annual Review of Marine Science	Journal	10.1146/annurev-marine-022521-102008	X			X	
Wiffells / WHOI	Roemmich, Dean; Wilson, W. Stanley; Gould, W. John; Owens, W. Brechner; Le Traon, Pierre-Yves; Freeland, Howard J.; King, Brian A.; Wiffells, Susan; Sutton, Philip J.H.; Zilberman, Nathalie	Published	2022	The Argo Program, 53-69.	Partnerships in Marine Research	Book Chapter		X			X	
Wiffells / WHOI	Savita, Abhishek; Domingues, Catia M.; Boyer, Tim; Gouretski, Viktor; Ishii, Masayoshi; Johnson, Gregory C.; Lyman, John M.; Willis, Josh K.; Marsland, Simon J.; Hobbs, William; Church, John A.; Monselesan, Didier P.; Dobrohotoff, Peter; Cowley, Rebecca; Wiffells, Susan E.	Published	1/15/22	Quantifying Spread in Spatiotemporal Changes of Upper-Ocean Heat Content Estimates: An Internationally Coordinated Comparison, 35: 851-875.	Journal of Climate	Journal	10.1175/JCLI-D-20-0603.1	X			X	
Wiffells / WHOI	Wiffells, Susan; Roemmich, D.L.; Talley, L.; Zilberman, N.; et al.	In press		Revolution of Global Subsurface Ocean Observing	Oceanography	Journal		X			X	
Wilkin / Rutgers	Moore, Andrew M.; Levin, Julia; Arango, Hernan G.; Wilkin, John	Published	2021-08	Assessing the performance of an ocean observing, analysis and forecast System for the Mid-Atlantic Bight using array modes, 164.	Ocean Modelling	Journal	10.1016/j.ocemod.2021.101821	X			X	
Wilkin / Rutgers	Levin, Julia; Arango, Hernan G.; Laughlin, Bruce; Hunter, Elias; Wilkin, John; Moore, Andrew M.	Published	2021-01	Observation impacts on the Mid-Atlantic Bight front and cross-shelf transport in 4D-Var ocean state estimates: Part II — The Pioneer Array, 157.	Ocean Modelling	Journal	10.1016/j.ocemod.2020.101731	X			X	
Yu / WHOI	Wu, Baolan; Lin, Xiaopei; Yu, Lisan	Published	2021-02	Poleward Shift of the Kuroshio Extension Front and Its Impact on the North Pacific Subtropical Mode Water in the Recent Decades, 51.	Journal of Physical Oceanography	Journal	10.1175/JPO-D-20-0088.1	X			X	
Yu / WHOI	Yu, Lisan	Published	4/28/21	Emerging Pattern of Wind Change over the Eurasian Marginal Seas Revealed by Three Decades of Satellite Ocean-Surface Wind Observations, 13.	Remote Sensing	Journal	10.3390/rs13091707	X			X	
Yu / WHOI	Johnson, Gregory C.; Lumpkin, Rick; Alin, Simone R.; Amaya, Dillon J.; Baringer, Molly O.; et al.	Published	8/1/21	Global Oceans, 102: S143-S198.	Bulletin of the American Meteorological Society	Journal	10.1175/BAMS-D-21-0083.1	X			X	
Yu / WHOI	Dorigo, Wouter; Dietrich, Stephan; Aires, Filipe; Brocca, Luca; Carter, Sarah; et al.	Published	2021-10	Closing the Water Cycle from Observations across Scales: Where Do We Stand?	Bulletin of the American Meteorological Society	Journal	10.1175/BAMS-D-19-0316.1	X			X	
Yu / WHOI	Phillips, Helen E.; Tandon, Amit; Furue, Ryo; Hood, Raleigh; Ummerhofer, Caroline C.; et al.	Published	11/26/21	Progress in understanding of Indian Ocean circulation, variability, air-sea exchange, and impacts on biogeochemistry, 17: 1677-1751.	Ocean Science	Journal	10.5194/os-17-1677-2021	X			X	
Zitterbart / WHOI	Zitterbart, Daniel P.; Bocconcelli, Alessandro; Ochs, Miles; Bonnel, Julien	Published	2022-04	TOSSIT: A low-cost, hand deployable, rope-less and acoustically silent mooring for underwater passive acoustic monitoring, 11.	HardwareX	Journal	10.1016/j.ohx.2022.e00304	X			X	

Appendix 3: Cooperative Institute of the North Atlantic Region (CINAR) Publications 2022-2023

Appendix 3: Cooperative Institute of the North Atlantic Region (CINAR) Publications 2022-2023													
PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed	
Alexander	Clayton, Sophie; Alexander, Harriet; Graff, Jason R.;	published	1/10/22	Bio-GO-SHIP: The Time Is Right to Establish Global Repeat Sections of Ocean Biology	Frontiers in Marine Science	journalArticle	10.3389/fmars.2021.767443	X			X		
Anderson	Woods Hole Oceanographic Institution; Anderson, D	published	2022	Harmful Algal Blooms in the Alaskan Arctic: An Emerging Threat as the Ocean Warms	Oceanography	journalArticle	10.5670/oceanog.2022.121	X			X		
Anderson	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Em	published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walruses and bowhead whales	Harmful Algae	journalArticle	10.1016/j.hal.2022.102205	X			X		
Anderson	Dai, Yanhui; Yang, Shangbo; Zhao, Dan; Hu, Chuan	published	3/9/23	Coastal phytoplankton blooms expand and intensify in the 21st century	Nature	journalArticle	10.1038/s41586-023-05760-y	X			X		
Anderson	Hubbard, Katherine A.; Villac, María Célia; Chadwick,	published	3/22/23	Spatiotemporal transitions in Pseudo-nitzschia species assemblages and domoic acid along the Alaska coast	PLOS ONE	journalArticle	10.1371/journal.pone.0282794	X			X		
Apprill	Woods Hole Oceanographic Institution; Anderson, D	published	2022	Harmful Algal Blooms in the Alaskan Arctic: An Emerging Threat as the Ocean Warms	Oceanography	journalArticle	10.5670/oceanog.2022.121	X			X		
Apprill	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Em	published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walruses and bowhead whales	Harmful Algae	journalArticle	10.1016/j.hal.2022.102205	X			X		
Apprill	Dai, Yanhui; Yang, Shangbo; Zhao, Dan; Hu, Chuan	published	3/9/23	Coastal phytoplankton blooms expand and intensify in the 21st century	Nature	journalArticle	10.1038/s41586-023-05760-y	X			X		
Apprill	Hubbard, Katherine A.; Villac, María Célia; Chadwick,	published	3/22/23	Spatiotemporal transitions in Pseudo-nitzschia species assemblages and domoic acid along the Alaska coast	PLOS ONE	journalArticle	10.1371/journal.pone.0282794	X			X		
Fay	ICES	published	2023	Working Group on Multispecies Assessment Methods (WGSAM; outputs from 2022 meeting)		report				X	X		
Fay	ICES	published	2023	Workshop on Unavoidable Survey Effort Reduction 2 (WKUSER2)		report				X	X		
Fay	ICES	published	2023	Workshop on Unavoidable Survey Effort Reduction 2 (WKUSER2)		report				X	X		
Grebmeier	Berkman, P. A.	published	2022	Satellite Record of Pan-Arctic Maritime Ship Traffic		journalArticle	10.25923/MHRV-GR76			X	X		
Grebmeier	Cooper, Lee W.; Grebmeier, Jacqueline M.	published	8/15/22	A Chlorophyll Biomass Time-Series for the Distributed Biological Observatory in the Context of Seasonal Sea Ice Declines in the Pacific Arctic Region	Geosciences	journalArticle	10.3390/geosciences12080307	X			X		
Grebmeier	Cooper, Lee W.; Magen, Cédric; Grebmeier, Jacqueli	published	8/25/22	Changes in the oxygen isotope composition of the Bering Sea contribution to the Arctic Ocean are an independent measure of increasing freshwater fluxes through the Bering Strait	PLOS ONE	journalArticle	10.1371/journal.pone.0273065	X			X		
Grebmeier	University of Alaska Fairbanks; Danielson, Seth; Greb	published	2022	Monitoring Alaskan Arctic Shelf Ecosystems Through Collaborative Observation Networks	Oceanography	journalArticle	10.5670/oceanog.2022.119	X			X		
Grebmeier	Frey, K. E.	published	2022	Arctic Ocean Primary Productivity: The response of Marine Algae to Climate Warming and Sea Ice Decline		journalArticle	10.25923/OJE1-TE61			X	X		

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Grebmeier	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Em	published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walruses and bowhead whales	Harmful Algae	journalArticle	10.1016/j.hal.2022.102205	X			X	
Grebmeier	Meadows, Caitlin A.; Grebmeier, Jacqueline M.; Kidw	published	2023-07	Arctic bivalve dead-shell assemblages as high temporal- and spatial- resolution archives of ecological regime change in response to climate change	Geological Society, Lond	journalArticle	10.1144/SP529-2022-131	X			X	
Grebmeier	Moore, Sue E.; Clarke, Janet T.; Okkonen, Stephen P	published	4/7/22	Changes in gray whale phenology and distribution related to prey variability and ocean biophysics in the northern Bering and eastern Chukchi seas	PLOS ONE	journalArticle	10.1371/journal.pone.0265934	X			X	
Grebmeier	Gaffey, Clare B.; Frey, Karen E.; Cooper, Lee W.; Gre	published	7/8/22	Phytoplankton bloom stages estimated from chlorophyll pigment proportions suggest delayed summer production in low sea ice years in the northern Bering Sea	PLOS ONE	journalArticle	10.1371/journal.pone.0267586	X			X	
Grebmeier	University of Maryland Center for Environmental Scie	published	2022	Applying Understanding of Earth Systems, Including Climate Change, to Exploration of Other Ocean Worlds	Oceanography	journalArticle	10.5670/oceanog.2021.413	X			X	
Greig	Greig, H.S.	in press		Rivers: dynamic ecosystems that carve and connect the landscape. <i>In</i> Our Maine: exploring the State's natural heritage. A. J. K. Calhoun, M. L. Hunter Jr. and K. H. Redford Eds. Down East Books				X			X	
Greig	Jackson J. K.; Entekin, S. A., Greig, H. S., and A. H.	in press		Atlantic coast rivers of the northeastern united states. In Rivers of North America Volume 2. Delong, M., Jardine, T., Benke, A., and C. Cushing eds.				X			X	
Jayne	Dever, M.; Owens, B.; Richards, C.; Wijffels, S.; Wor	published	2022-10	Static and Dynamic Performance of the RBRargo3 CTD	Journal of Atmospheric	journalArticle	10.1175/JTECH-D-21-0186.1	X			X	
Jayne	Jayne, Steven R.; Owens, W. Brechner; Robbins, Pe	published	2022-04	The Air-Launched Autonomous Micro Observer	Journal of Atmospheric	journalArticle	10.1175/JTECH-D-21-0046.1	X			X	
Jayne	Johnson, Gregory C.; Hosoda, Shigeki; Jayne, Steve	published	1/3/22	Argo—Two Decades: Global Oceanography, Revolutionized	Annual Review of Marine	journalArticle	10.1146/annurev-marine-022521	X			X	
Jayne	Owens, W. Brechner; Zilberman, Nathalie; Johnson,	published	6/8/22	OneArgo: A New Paradigm for Observing the Global Ocean	Marine Technology Soci	journalArticle	10.4031/MTSJ.56.3.8	X			X	
Jayne		published	2022	Partnerships in Marine Research		book		X			X	
Jayne	Scripps Institution of Oceanography; Roemmich, De	published	12/1/21	The Technological, Scientific, and Sociological Revolution of Global Subsurface Ocean Observing	Oceanography	journalArticle	10.5670/oceanog.2021.supleme	X			X	
Koch	Koch, C.W., T.A. Brown, R. Amiraux, C. Ruiz-Gonzá	in press		Year-round utilization of sea ice-associated carbon in Arctic ecosystems	Nature Communications	journalArticle		X			X	
Lohrenz	Salois, S.L., Hyde, K.J.W., Silver, A.M., Gangopadhy	in review		Shelf break exchange processes influence the availability of the Northern Shortfin Squid, <i>Illex illecebrosus</i> , in the Northwest Atlantic.	Siheries Oceanography	journalArticle		X			X	
Lohrenz	Mercer, A.J.M., Manderson, J.P., Lowman, B., Saloi	in review		Bringing in the experts: Application of industry knowledge to advance catch rate standardization for northern shortfin squid (<i>Illex illecebrosus</i>)	Frontiers in Marine Scier	journalArticle		X			X	

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Maas	A.E. Maas, G.L. Lawson, A.J Bergan, Z.A. Wang, A	in review		Sea butterflies in a pickle: Seasonal sensitivity of shelled pteropods to ocean acidification in the Gulf of Maine	Nature Climate Change	journalArticle		X			X	
Mills	Allyn, A.J., Thorson, J.T, Grüss, A., Yasumiishi, E., S	in review		Measuring uncertainty for short-term forecasts and long-term projections with spatio-temporal models	Global Change Biology	journalArticle		X			X	
Mills	Henderson, M., K. E. Mills, M. Alexander, M. Barajas	in review		A synthesis of U.S. Atlantic salmon habitat requirements and implications for future suitability under a changing climate	ICES Journal of Marine	journalArticle		X			X	
Moore	Moore, Michael J	published	3/14/23	Policy enabling North Atlantic right whale reproductive health could save the species	ICES Journal of Marine	journalArticle	10.1093/icesjms/fsac239	X			X	
Moore	Stewart, Jd; Durban, Jw; Europe, H; Feambach, H; H	published	5/12/22	Larger females have more calves: influence of maternal body length on fecundity in North Atlantic right whales	Marine Ecology Progress	journalArticle	10.3354/meps14040	X			X	
Oliveira	Hobbs, Ethan	published	1/1/22	Hobbs, Ethan, Energy Content of Major Prey Species of Atlantic Salmon (Salmo salar) in the Northwest Atlantic as Determined by Proximate Composition Analysis 2022		PhD Thesis				X	X	
Pickart	Einarsson, Sveinn V.; Lowry, Kate E.; Lin, Peigen; Pi	published	2022-12	Alexandrium on the Alaskan Beaufort Sea shelf: Impact of upwelling in a warming Arctic	Harmful Algae	journalArticle	10.1016/j.hal.2022.102346	X			X	
Pickart	Selden, Corday R.; Einarsson, Sveinn V.; Lowry, Kat	published	9/5/22	Coastal upwelling enhances abundance of a symbiotic diazotroph (UCYN-A) and its haptophyte host in the Arctic Ocean	Frontiers in Marine Scier	journalArticle	10.3389/fmars.2022.877562	X			X	
Pickart	Alfred Wegener Institute; von Appen, Wilken-Jon; Ba	published	2022	Eddies and the Distribution of Eddy Kinetic Energy in the Arctic Ocean	Oceanography	journalArticle	10.5670/oceanog.2022.122	X			X	
Pickart	Lefebvre, Kathi A.; Fachon, Evangeline; Bowers, Em	published	2022-05	Paralytic shellfish toxins in Alaskan Arctic food webs during the anomalously warm ocean conditions of 2019 and estimated toxin doses to Pacific walrus and bowhead whales	Harmful Algae	journalArticle	10.1016/j.hal.2022.102205	X			X	
Pickart	Woods Hole Oceanographic Institution; Anderson, D	published	2022	Harmful Algal Blooms in the Alaskan Arctic: An Emerging Threat as the Ocean Warms	Oceanography	journalArticle	10.5670/oceanog.2022.121	X			X	
Pickart	Li, Shutong; Lin, Peigen; Dou, Tingfeng; Xiao, Cund	published	2022-03	Upwelling of Atlantic Water in Barrow Canyon, Chukchi Sea	Journal of Geophysical	journalArticle	10.1029/2021JC017839	X			X	
Pickart	Li, Min; Pickart, Robert S.; Lin, Peigen; Woodgate, R	published	2023-01	Boundary Currents at the Northern Edge of the Chukchi Sea at 166°W	Journal of Geophysical	journalArticle	10.1029/2022JC018997	X			X	
Pickart	Hubbard, K.A. et al	in press		Spatiotemporal transitions in Pseudo-nitzschia species assemblages and domoic acid along the Alaska coast	PLOS ONE	journalArticle		X			X	
Pickart	Lin, P., R.S. Pickart, H. Heorton, M. Tsamados, M. H	in press		New state of the Arctic Ocean's Beaufort Gyre	Nature Geoscience	journalArticle		X			X	
Pickart	Lin, P., R.S. Pickart, T.J. Weingartner, H.L. Simmons	in review		Formation and circulation of Newly Ventilated Winter Water in the western Beaufort Sea	Progress in Oceanograp	journalArticle		X			X	
Pickart	Huang, J., R.S. Pickart, N. Foukal, M.A. Spall, and	in review		Structure and variability of the Barrow Canyon outflow from two high-resolution shipboard surveys in 2018	Journal of Geophysical Research: Oceans			X			X	
Stoll	Murray, Grant D.; Fail, Robin; Fairbanks, Luke; Cam	published	2023-04	Seafood consumption and the management of shellfish aquaculture	Marine Policy	journalArticle	10.1016/j.marpol.2023.105534	X			X	
Stoll	Stoll, Joshua S.; Risley, Sarah C.; Henriques, Paloma	published	2023-02	A review of small-scale marine fisheries in the United States: Definitions, scale, drivers of change, and policy gaps	Marine Policy	journalArticle	10.1016/j.marpol.2022.105409	X			X	

PI Name / CI Name	Author Names	Status of Publication (In Review, In Press, Published)	Publication Date	Publication Title	Published In (Journal Name, volume and page number)	Type of Publication	Citation No. (Digital Object Identifier)	CI Lead Author	NOAA Lead Author	Other Lead Author	Peer Reviewed	Non Peer Reviewed
Stoll	Love, David C.; Asche, Frank; Gephart, Jessica A.; Z	published	4/3/23	Identifying Opportunities for Aligning Production and Consumption in the U.S. Fisheries by Considering Seasonality	Reviews in Fisheries Sci	journalArticle	10.1080/23308249.2022.212160	X			X	
Stoll	Stoll, Joshua S.; Oldach, Eliza J.; Witkin, Taylor; Rea	published	2022-04	Rapid adaptation to crisis events: Insights from the bait crisis in the Maine lobster fishery	Ambio	journalArticle	10.1007/s13280-021-01617-8	X			X	
Stoll	Britsch, Melissa L.; Leslie, Heather M.; Stoll, Joshua	published	2021-09	Diverse perspectives on aquaculture development in Maine	Marine Policy	journalArticle	10.1016/j.marpol.2021.104697	X			X	
Stoll	Love, David C.; Asche, Frank; Young, Ruth; Nussba	published	4/3/22	An Overview of Retail Sales of Seafood in the USA, 2017–2019	Reviews in Fisheries Sci	journalArticle	10.1080/23308249.2021.194648	X			X	
Stoll	Stoll, Joshua S.; Harrison, Hannah L.; De Sousa, Em	published	3/31/21	Alternative Seafood Networks During COVID-19: Implications for Resilience and Sustainability	Frontiers in Sustainable	journalArticle	10.3389/fsufs.2021.614368	X			X	
Stoll	Love, David C.; Nussbaumer, Elizabeth M.; Harding,	published	2021-03	Risks shift along seafood supply chains	Global Food Security	journalArticle	10.1016/j.gfs.2020.100476	X			X	
Weller	Joseph, K. Jossia; Tandon, Amit; Venkatesan, R.; Fa	published	2022-02	Longwave Radiation Corrections for the OMNI Buoy Network	Journal of Atmospheric	journalArticle	10.1175/JTECH-D-21-0069.1	X			X	
Weller	Wang, Xingchi; Kukulka, Tobias; Plueddemann, Albe	published	2022-05	Wind Fetch and Direction Effects on Langmuir Turbulence in a Coastal Ocean	Journal of Geophysical	journalArticle	10.1029/2021JC018222	X			X	
Weller	Weller, Robert A.; Lukas, Roger; Potemra, James; Plu	published	2022-08	Ocean Reference Stations: Long-Term, Open-Ocean Observations of Surface Meteorology and Air–Sea Fluxes Are Essential Benchmarks	Bulletin of the American	journalArticle	10.1175/BAMS-D-21-0084.1	X			X	
Weller	Blunden, J.; Boyer, T.	published	2022-08	State of the Climate in 2021	Bulletin of the American	journalArticle	10.1175/2022BAMSSStateoftheClir	X			X	
Weller	Zippel, Seth F.; Farrar, J. Thomas; Zappa, Christoph	published	1/28/22	Parsing the Kinetic Energy Budget of the Ocean Surface Mixed Layer	Geophysical Research L	journalArticle	10.1029/2021GL095920	X			X	
Weller	Boyer, T. et al.	in press		The effects of the pandemic on the ocean observing system	Bulletin of the American	journalArticle		X			X	
Weller	Martin, M. V., R. Venkatsen, R. A. Weller, A. Tandon,	in press		The abyssal ocean is not quiet: observation of seasonal temperature variability	Nature Scientific Reports	journalArticle		X			X	
Wiebe	Espinasse, Boris; Sturbois, Anthony; Basedow, Sünt	published	10/17/22	Temporal dynamics in zooplankton $\delta^{13}C$ and $\delta^{15}N$ isoscapes for the North Atlantic Ocean: Decadal cycles, seasonality, and implications for predator ecology	Frontiers in Ecology and	journalArticle	10.3389/fevo.2022.986082	X			X	
Wiebe	Giering, Sarah L. C.; Culverhouse, Phil F.; Johns, Da	published	11/16/22	Are plankton nets a thing of the past? An assessment of in situ imaging of zooplankton for large-scale ecosystem assessment and policy decision-making	Frontiers in Marine Scier	journalArticle	10.3389/fmars.2022.986206	X			X	
Wiebe	Ostle, Clare; Landschützer, Peter; Edwards, Martin; J	published	11/1/22	Multidecadal changes in biology influence the variability of the North Atlantic carbon sink	Environmental Research	journalArticle	10.1088/1748-9326/ac9ecf	X			X	
Wilberg	Drake, Patrick; Edwards, Christopher A.; Arango, Her	published	2023-04	Forecast Sensitivity-based Observation Impact (FSOI) in an analysis–forecast system of the California Current Circulation	Ocean Modelling	journalArticle	10.1016/j.ocemod.2022.102159	X			X	
Wilberg	Feng, Hui; Egado, Alejandro; Vandemark, Doug; Wilk	published	2023-01	Exploring the potential of Sentinel-3 delay Doppler altimetry for enhanced detection of coastal currents along the Northwest Atlantic shelf	Advances in Space Rese	journalArticle	10.1016/j.asr.2022.09.011	X			X	
Wilberg	Wilkin, John; Levin, Julia; Moore, Andrew; Arango, H	published	2022-12	A data-assimilative model reanalysis of the U.S. Mid Atlantic Bight and Gulf of Maine: Configuration and comparison to observations and global ocean models	Progress in Oceanograp	journalArticle	10.1016/j.pocean.2022.102919	X			X	

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Wilberg	Moore, Andrew M.; Levin, Julia; Arango, Hernan G.;	published	2021-08	Assessing the performance of an ocean observing, analysis and forecast System for the Mid-Atlantic Bight using array modes	Ocean Modelling	journalArticle	10.1016/j.ocemod.2021.101821	X			X	
Wilberg	Levin, Julia; Arango, Hernan G.; Laughlin, Bruce; Hu	published	2021-01	Observation impacts on the Mid-Atlantic Bight front and cross-shelf transport in 4D-Var ocean state estimates: Part II – The Pioneer Array	Ocean Modelling	journalArticle	10.1016/j.ocemod.2020.101731	X			X	
Wilkin	Drake, Patrick; Edwards, Christopher A.; Arango, Hernan	published	2023-04	Forecast Sensitivity-based Observation Impact (FSOI) in an analysis-forecast system of the California Current Circulation	Ocean Modelling	journalArticle	10.1016/j.ocemod.2022.102159	X			X	
Wilkin	Feng, Hui; Egido, Alejandro; Vandemark, Doug; Wilkin	published	2023-01	Exploring the potential of Sentinel-3 delay Doppler altimetry for enhanced detection of coastal currents along the Northwest Atlantic shelf	Advances in Space Rese	journalArticle	10.1016/j.asr.2022.09.011	X			X	
Wilkin	Wilkin, John; Levin, Julia; Moore, Andrew; Arango, Hernan	published	2022-12	A data-assimilative model reanalysis of the U.S. Mid Atlantic Bight and Gulf of Maine: Configuration and comparison to observations and global ocean models	Progress in Oceanograp	journalArticle	10.1016/j.pocean.2022.102919	X			X	
Wilkin	Moore, Andrew M.; Levin, Julia; Arango, Hernan G.;	published	2021-08	Assessing the performance of an ocean observing, analysis and forecast System for the Mid-Atlantic Bight using array modes	Ocean Modelling	journalArticle	10.1016/j.ocemod.2021.101821	X			X	
Wilkin	Levin, Julia; Arango, Hernan G.; Laughlin, Bruce; Hu	published	2021-01	Observation impacts on the Mid-Atlantic Bight front and cross-shelf transport in 4D-Var ocean state estimates: Part II – The Pioneer Array	Ocean Modelling	journalArticle	10.1016/j.ocemod.2020.101731	X			X	
Yu	Cronin, M F; Swart, S; Marandino, C A; Anderson, C	published	3/14/23	Developing an Observing Air-Sea Interactions Strategy (OASIS) for the global ocean	ICES Journal of Marine	journalArticle	10.1093/icesjms/fsac149	X			X	
Yu	Yu, Lisan; Yang, Kristine T.	published	6/29/22	A Warm and A Cold Spot in Cape Cod Waters Amid the Recent New England Shelf Warming	Frontiers in Marine Scier	journalArticle	10.3389/fmars.2022.922046	X			X	
Yu	Johnson, Gregory C.; Lumpkin, Rick; Boyer, Tim; B	published	2022-08	Global Oceans	Bulletin of the American	journalArticle	10.1175/BAMS-D-22-0072.1	X			X	