

Appendix 3: Article titles and brief summary.

Article	Source	Title	Summary
1	Blog	Clean Energy the Solution to Western U.S. Water Woes	This article discusses a Western Resource Advocates report on the water footprint of various energy sources, emphasizing how water-intensive coal plants are, while clean renewable sources may use very little water during operation.
2	Blog	Just When You Thought It Was Safe to Go Back in the Water	This article discusses increasing rates of endocrine disruptors, intersex fish, and concern over water quality measures for human consumption.
3	Blog	Letting the Rivers Run: An Interview With Sandra Postel	This article discusses big dams around the world, including the removal of four dams on the Klamath and the various stakeholders involved in coming to a water agreement for the Klamath, how dams impact ecosystems and that river flow should be part of dam management, and how it is better to work with nature rather than against it.
4	Blog	Rivers Can Heal - When Given a Chance	This article discusses historical ecosystem aspects of the Kennebec River, including the impact of a dam on fish populations, and the impacts of removal of said dam in 1997.
5	Blog	This World Water Day, a Salute to the Unsung Heroes of Clean Water	This article discusses mussels and how they filter and clean rivers, including the biodiversity of freshwater mussels in the United States and the imminent danger of losing them.
6	Blog	U.S. Great Plains, Southwest at extreme risk of running dry, report warns	This article discusses a report on the risk to water sustainability and limitation on water availability due to increased demand and climate change by 2050. The report discusses the negative impacts on economic development and agriculture and what locations in the U.S. are most at risk.
7	Blog	American Lifestyle Costs Nearly 2000 Gallons of Water Each Day	This article describes individual water footprints (including emphasizing that the average American water footprint is twice the global average), including indirect water usage such as food and energy production. The article also mentions that individual water savings is not enough and that corporations, energy producers, etc. must also be part of reducing water footprints.
8	Blog	Coal Ash Continues to Pollute Groundwater	This article discusses the impact of coal ash, including discussion on how best to regulate its disposal as it can leach from landfills into groundwater.
9	Blog	Five Years After Katrina, An Important Lesson Goes Unlearned	This article discusses how humans impact the effects of natural disasters, including how modifications to rivers and floodplains inhibit natural flood protection and protection from drought (ecological infrastructure) and how people building in natural floodplains increases risk.

10	Blog	The Colorado River IS Running Dry	This article disputes a statement by former Secretary of the Interior that the Colorado is not dealing with scarcity. Although the Colorado is used greatly by water buffalos, it is being overused and polluted by agriculture and other wastes, changing ecosystems around it along its course.
11	Blog	Why Rivers Need to Flow - High and Low - Again	This article discusses how river flow alteration is a primary predictor of a river's biological integrity, and that river management leading to changes in flow will change the species found at the river which may impact water quality as well (e.g. loss of mussels).
12	Blog	California Farmers Go Deep into Water Debt During Drought	This article discusses groundwater depletion from agricultural irrigation, emphasizing that food security depends on future access to groundwater.
13	Blog	Conservation in San Antonio is Saving More than Water	This article discusses how an endangered salamander prompted regulations and planning to allow San Antonio to use water sustainably, with various strategies leading to reduction in water usage across residential, commercial, and industrial sectors.
14	Blog	Fire and Rain: The One-Two Punch of Flooding After Blazes	This article discusses the effects of wildfires on the magnitude of flooding, including faster peak floods, property damage from flooding, and the movement of sediment, boulders, and trees into reservoirs.
15	Blog	Green Beer: 4.2 Billion Pints (and 166 Billion Gallons of Water) on St. Paddy's Day	This article discusses the water footprint of beer production, including water usage and energy, and how many brewing companies are working on sustainable growing practices to lower their water and energy usage.
16	Blog	History's Wake-up Call for the Greenhouse Century	This article discusses looking back across time to see the impacts of prolonged water shortages in a region including considering the idea of vulnerability to drought and water shortages and how people's culture and settlement patterns can change because of them.
17	Blog	How to "Fix" the Colorado River?	This article discusses a study that looks at the future of supply and demand on the Colorado and consideration of various solutions to close the gap between demand and supply, including considering ecosystem health as part of looking at demand.
18	Blog	Keystone XL, Clean Water and Democracy	This article discusses the impact of Keystone XL, and how Nebraska rallied together to keep it from being within the Sandhills. Within this discussion is projected impacts if a leak occurs at various points, including if it got into the Ogallala Aquifer.

19	Blog	Mississippi Floods Can Be Restrained With Natural Defenses	This article discusses how levees are not adequate to protect from flood events and that engineering fixes are not enough on their own. Instead, ecological infrastructure needs to be reincorporated into flood management, including expansion of wetlands and re-activation of floodplains.
20	Blog	New U.S. Water Rules in the Making - A Once-in-a-Generation Opportunity to Fix Past Mistakes	This article discusses the need to put nature back into the equation when discussing water planning. Consequences of not including it include dead zones in the Gulf following flooding of the Mississippi as fertilizers and other pollutants are brought down to the Gulf. The article calls for better federal rules that encourage less destructive plans that also will lower risk.
21	Blog	New Voices Seeking Input, More Transparency in the Management of the Colorado River	This article discusses emerging stakeholders in management of the Colorado, including Latinos, Native tribes, and smaller businesses.
22	Blog	Sandhill Cranes Are Home - for Now- in the Middle Rio Grande	This article discusses the positive impact of restoration work within a refuge in bringing sandhill cranes back. Part of this work includes managing water to create seasonal wetlands that are otherwise inhibited by a dammed river.
23	Blog	Snuffbox and Rayed Bean Mussels: Freshwater Species of the Week	This article discusses the role of mussels in the ecosystem and what their loss would mean. It also discusses the history of where these two species used to occur and how their distribution has diminished over time.
24	Blog	Still Wild and Free, New Mexico's Gila River is Again Under Threat	This article discusses how the Gila River is one of few remaining undammed large rivers, but is ecologically at risk from the possibility of diversion. River flows and floodplains impact which species are in an area throughout the year, and this diversion would negatively impact biodiversity.
25	Blog	This World Water Day, Think - Energy	This article discusses the impact of energy use on waterways, and especially thermal power plants.
26	Blog	Who's Naughty and Who's Nice: A Year After the Everglades Big Sugar Deal	This article discusses the infrastructure built up in the Everglades to try to control flooding which has led to the loss of wetlands and natural floodplains, leading to degraded water quality. Attempts to restore wetlands would require buying out vast sugarcane properties, a pricey commodity.
27	Blog	Restoring urban streams and the quality of life	This article discusses various urban stream and creek restoration projects in North America and around the world, including the removal of infrastructure such as parking lots to allow for restoration to occur.
28	Blog	Monster Catfish Found: NG's Zeb Hogan Explains	This article discusses giant blue catfish, including their historical distribution and the importance of them as a food source and as a resource for commercial, subsistence, and recreational fisheries.

29	NYT	Pressure to Improve Water Quality in Chicago River	This article discusses the critique of the method Chicago's water agency took towards flooding and sewage overflow, with critics indicating that the planned traditional engineering solutions are not the right way to approach disinfecting the water and improving river water quality.
30	NYT	The Mighty Colorado at a Glide	This article discusses paddling a stretch of the Colorado, comparing and contrasting it to paddling through the Grand Canyon.
31	NYT	With Fears of Asian Carp Fading, a Sleek Campaign to Revive Public Concern	This article discusses the fight against Asian Carp in the Great Lakes, including how different groups suggest different solutions. It also notes that the public is losing concern over the issue.
32	NYT	A Mining Law Whose Time Has Passed	This article critiques current mining law that gives hard-rock mining precedence over other uses of federal land. Mining companies are supposed to protect rivers threatened by their operations, but do not have a good track history in doing so. The article calls for changing the law in order to "provide safeguards for clean water and give communities and agencies a say about where mining is permitted."
33	NYT	That's No Water Hazard. It's a 'Poor Man's Golf Range'	This article discusses a "poor man's golf range" where individuals from a poorer neighborhood hit salvaged golf balls into the Harlem River.
34	NYT	E.P.A. Steps Up Scrutiny of Pollution in Pennsylvania Rivers	This article discusses the impact of drilling waste on drinking water, including discussion of the importance of location of water quality monitoring sites and the need to test for radioactivity in addition to other contaminants.
35	NYT	Wrong Answer at Indian Point	This article discusses the concern over water quality related to Indian Point nuclear power plant. The energy company wants to implement untested changes to try to lower the number of fish killed, while the government wants them to implement a different cooling system.
36	NYT	Who Controls Montana's Rivers?	This article discusses Montana wanting an assessment of whether a waterway was navigable at statehood, and thus controlled by the State of Montana (rather than the federal government). If so, the state stands to collect \$50 million from a power company licensed by the federal government.
37	NYT	Along a Course Of Purling Rivers, A Raw Divide	This article discusses the possibility of megaloads being transported along the Blackfoot River, to move oil-processing equipment from Idaho into Canada. Critics worry the loads will change the wild character of the river (along with general concerns over how the transport will alter transportation along the roadways).
38	NYT	E.P.A. Issues Rules to Limit Water Pollution From	This article discusses new guidelines on mining, including permissible levels of mining runoff introduced into waterways surrounding a project. These regulations would make

		Mining	obtaining a permit more difficult for certain types of operations.
39	NYT	Los Angeles River Tries On an Unaccustomed Role, as a Waterway	This article discusses a pilot project to allow and encourage paddling of the Los Angeles River.
40	NYT	A Mountain in the Stream	This article discusses changes in presidential administration impacting the effectiveness of regulators of the Clean Water Act. Under the Obama administration, scientific analysis of proposed downstream impacts from a mine would be required before receiving a permit. The article provides an example of a mine in West Virginia whose permit may be vetoed due to its likely damage to streams and wildlife.
41	NYT	How Hot Is 104? New York Counts the Miseries	This article discusses a heat wave and the lack of water recreation available to the public due to a fire at a sewage plant that led to untreated sewage being dumped into rivers.
42	NYT	Reclaimed Jewel Whose Attraction Can Be Perilous	This article discusses the history of the Bronx River, including the restoration activities in the recent past that bring more of the public down to the river. A result of the restoration is the return of visible wildlife.
43	NYT	Rising Waters	This article discusses preparation for flooding in Fremont County, Wyoming, as locals are aware of what is coming due to melting snow as the weather warms up.
44	NYT	Give Thanks for ... Eel?	This article discusses the history of eels in Eastern rivers and how global markets are impacting eel populations. In addition, local wetlands and waterways should be restored or modified (e.g. dams) to allow for better conditions for eels.
45	NYT	After a Blaze, Waste Floods The Hudson	This article discusses a fire at a sewage treatment plant, leading to dumping of untreated sewage into the Hudson and Harlem Rivers, making them unsafe for water recreation.
46	NYT	Carp Invasion May Prompt Changes to Waterways	This article discusses waterway locks to prevent Asian Carp from entering the Great Lakes.
47	NYT	Another Christo Project, To Engage and Divide	This article discusses concerns over an art project by Christo over the Arkansas River in Colorado, including whether it would provide an economic boom to the local community.
48	NYT	Rivers Less Paddled	This article provides seven less-trafficked areas for paddling as suggested by kayaking experts.
49	NYT	The River Untamable	This article discusses the flooding of the Mississippi, including how humans have modified the river and moved too close to it, increasing their risks.
50	NYT	Sewage Frequently Fouls Hudson River, Report Says	This article discusses a Riverkeeper water quality testing program on the Hudson River, with 21% of samples having unacceptable levels of bacteria. The group wants better public notification as more people interact with the Hudson.

51	NYT	After Devastating Floods, Debate Over Mission Of the Missouri Rolls On	This article discusses inter-state negotiations on how to manage the Missouri, including whether navigation or recreation should be a priority and how these priorities impact flood management.
52	NYT	Rulings Restrict Clean Water Act, Hampering E.P.A.	This article discusses loopholes in the Clean Water Act that allow polluters to go unregulated. Certain waterways deemed not navigable (which may include wetlands or seasonal streams) may not be protected. There are also questions over whether state or federal jurisdiction applies and thus who can prosecute.
53	NYT	Levee Breach Moves One Step Closer	This article discusses the decisionmaking process on deciding whether to blow up a levee to protect the town of Cairo, Illinois. Blowing up the levee would inundate farmland in Missouri.
54	NYT	Athletes With a Rope to Hold, and Water to Stand On	This article discusses a waterskiing troupe that performs for free on the Mohawk River.
55	NYT	A Sneaky Attack on Clean Water Rules	This article discusses how new guidelines of the Clean Water Act become completely ineffective as the House Appropriations Committee included language in the Army Corps of Engineers spending bill that inhibits them from spending any money to do anything with the new guidelines.
56	NYT	In Mississippi Delta, All Eyes on a Swelling River	This article discusses flooding of the Mississippi and preparations made in Memphis in anticipation of localized flooding. Other flooded areas, including the White River in Arkansas, are also discussed.
57	NYT	An Oil Spill Grows in Brooklyn	This article discusses a history of neglectful regulators who allowed oil companies to poison a local creek, making it unfit for drinking water. This long-standing spill contains 17 to 30 million gallons of contaminants.
58	NYT	U.S. Clears Art Project By Christo In Colorado	This article discusses that federal permits were granted for Christo's art installation over the Arkansas River in Colorado, including provisions to protect local bighorn sheep. State and local permits were still needed at the time.
59	NYT	Where Water Is an Old Friend, Until It Turns Into a Nemesis	This article discusses the impacts of opening of a spillway due to flooding of the Mississippi on the Atchafalaya Basin in Louisiana. It discusses the possible negative impacts on cajun country where multiple generations have lived.
60	NYT	Hudson River and 4 Beaches Are Deemed to Be Safe Again	This article discusses reopening of waterways following a sewage contamination due to a treatment plant fire. It includes economic impacts of the closure on businesses, including camps and kayak rental companies.
61	NYT	Anxious Eyes on a River As Flooding Threat Looms	This article discusses the possibility of blowing up a levee to protect a small town (3,000 people) in Illinois. Doing so would flood farmland, in turn home to about 200 residents.

62	NYT	Chemicals in Farm Runoff Rattle States on the Mississippi	This article discusses potential regulatory action, long term problems, and solutions to combat dead zones in the Gulf zone caused by farming upstream of the Mississippi.
63	NYT	Mississippi River Crowds Memphis	This article discusses concern over flooding of the Mississippi in Memphis, including people viewing it as a spectacle while others dealt with evacuation.
64	NYT	Signs of an Urban River's Revival in Virginia	This article discusses the cleanup and restoration of the James River in Richmond, VA, including how people and wildlife are now using the river.
65	NYT	Fly Fishers Serving as Transports for Noxious Little Invaders	This article discusses fly fishermen shoes transporting didymo (an algae). This algae can "choke out" insect life and impact fish populations.
66	NYT	Latest Dirty Water Bill	This article criticizes Republicans by saying they are trying to subvert the Clean Water Act by removing protection from small streams and wetlands.
67	NYT	520 Miles of Waterfront To Get Long-Range Plan	This article discusses a long-term plan in New York City to consolidate proposed or underway waterfront projects rather than have them each be considered individually. The plan would not cost more money, but would protect specific projects if there is future cost-cutting since they would be consolidated.
68	NYT	Spread Forth In the Shadow Of the Mountains	This article discusses visiting the Owens Valley and Owens River Gorge in eastern California. It also discusses the Los Angeles Department of Water and Power's ownership of land in the area used for the city's water supply, how the City allows access, and how it manages water in the Owens River.
69	WSJ	DESTINATIONS; Southern Charms; A steady stream of retirees are finding their way to Charleston and South Carolina's Lowcountry	This article discusses Charleston, SC and how it is "a mix of cultural offerings, entertainment, history and natural beauty" by being a pedestrian-friendly waterfront.
70	WSJ	Waterways Locked in a Quandary; The Obama administration wants to boost the use of waterways to haul freight, but the government first needs to upgrade the nation's underfunded and	This article uses the Charleroi Locks of the Monongahela River in Pennsylvania as an example of old, under-maintained locks and how this impacts the shipping industry.

		decrepit locks and dams	
71	WSJ	Christo vs. Colorado	This article discusses the controversy over Christo's potential art installation over the Arkansas River in Colorado, including battling locals and dealing with environmental impact statements.
72	WSJ	Heard & Scene -- Donor of the Day: Helping Protect the Hudson River	This article discusses a hedge fund management company founder/CEO donating money to Riverkeeper in support of their work to prevent the relicensing of the Indian Point nuclear power plant in Buchanan, NY.
73	WSJ	City News -- Urban Gardner: One Sunny Side of Sewage	This article discusses a photographer who has documented Newtown Creek in New York City prior to its designation as a Superfund site.
74	WSJ	Heavy Rains Keep Levee-Blast Plans on Track	This article discusses the possibility of blowing up a levee to protect the town of Cairo, Illinois from being inundated with 18 to 20 feet of flood water.
75	WSJ	Amid carp threat, a call to unhook; Great Lakes states want to undo a historic project and disconnect from the Mississippi to fend off invasive fish	This article discusses a call to disconnect the Great Lakes from the Mississippi to protect them from invasive Asian Carp. The shipping industry wants to allow for navigational locks to keep from destroying industry in the region, and look for alternative solutions to prevent the Carp from invading.
76	WSJ	When Death Is Merely a Paddle Stroke Away	This article discusses personal experience of learning to whitewater kayak, providing examples from the Salmon River in Humboldt County, CA.