

Index

- acute vs. chronic, 61
agency, 139, 153, 192
agriculture, 5, 55, 57, 78
agrochemicals, 55
air, 53
air pollution
 indoor, 59
air quality, 58
albedo, 60, 86, 102, 144
Aldo Leopold, 179
Alliance of Small Island States, 140
Anthropocene, 4, 5, 21, 46, 124, 189
archaeological record, 59
Arctic ice melt, 60
atmospheric composition, 5, 8, 11, 35, 144, 175,
 176
atmospheric moisture content, 144
batteries, 54
Berry, Wendell, 182
Bhopal gas, 47
bioaccumulation, 57
business-as-usual, 186
CAFO, concentrated animal feeding operation, 53
capitalism, 45
carcinogenic, 166
Cardona, Omar, 30, 36
Carson, Rachel, 45
Chernobyl, Ukraine, 46
Chiefs, 75, 88
choiceless decisions, 88, 95, 118
civil society, 172
Clean Air Act, 53
Clean Power Plan, 65
Clean Water Act, 53
Climate Action Tracker, 67
climate change, 11, 61, 64, 72, 122, 123, 143, 168
co-benefits, 66, 68, 194
coevolution, 16, 20
cognitive function, 56
cognitive functioning, 40
collapse, 19, 117, 128, 173, 189
colliding ecologies, 92
complex adaptive system, 8, 16, 18, 25, 30, 182
conservation ethic, 178
consumption, 4, 27, 33, 36, 96, 123, 136, 171
contaminated sites, 42, 56
co-pollutants, 35, 51, 66
coral bleaching, 145
coral reef, 145
corporations, 93, 95, 120, 172
corruption, 72, 96, 120, 142, 161
cost-benefit analysis, 40, 66, 138
CO₂, 35, 54, 144
criminal law, 169
Criteria Air Pollutants, 27
Cryosphere, 144
cultural inheritance, 20, 37
cultural violence, 28, 32
cumulation, 59
cumulative, 128
 risk, 42
cumulative effect, 15, 21, 41, 49, 63, 102, 148
Dalby, Simon, 68
death, 39, 47
depression, 117, 127
development, 71
development first, 187
direct violence, 28, 48
disaster assessments, 138
displacement, 128, 137, 173, 177
disposable, 147
dynamism, 18
Earth system, 5
Earth system indicators, 7
ecological inheritance, 20, 37, 57
Ecomodernists, 188
Economic damage, 40
ecosystem, 5, 16

ecosystems approach, 16
 electric vehicles, 54
 electrification, 53
 elemental composition, 60
 Elk River, West Virginia, 47
 emergence, 18
 Energy, 55
 environmental ethics, 181
 environmental justice, 45, 67, 139, 168
 environmental migration, 128
 Environmental Performance Index, 64, 72
 environmental quality analysis, 80
 environmental racism, 45
 environmental regulation, 52, 53, 91
 environmental risk, 45, 94, 128
 environmental risk mitigation, 41, 143, 148
 environmental scarcity, 43, 49
 environmental security, 43, 44
 Environmental violence, 26
 epigenetic, 41
 ethics, 173
 ethnicity, 44
 ethnographic, 79
 Extended Evolutionary Synthesis, 19, 21
 extractive industry, 71, 72, 92, 93
 extreme weather, 122
 farming, 55
 Farrell, Justin, 193
 Federal Emergency Management Agency, 134
 feedback loops, 31
 FEMA, 142
 fish, 78
 fishing, 113
 flood, 14, 30, 42, 58
 Flooding, 133
 Food insecurity, 78
 food security, 116
 food waste, 54
 metabolic, 55
 forms of harm, 39
 fossil fuel, 22, 40, 53, 56, 60, 165, 192
 Galtung, Johan, 28, 33, 34
 gender, 115, 151
 Genetic inheritances, 20
 geoengineering, 189
 geologic change, 4, 5, 50, 60
 GHG, 48
 Gifford Pinchot, 178
 Global Alliance on Health and Pollution, 55, 56
 global warming, 6, 33, 42, 57, 60, 61, 62, 67, 145,
 167
 gold, 54, 119
 Great Acceleration, 7, 13
 greenhouse gases, 5, 6, 7, 22, 35, 53, 55, 62, 67, 122,
 123, 136, 140, 155, 169, 171, 185

Hawken, Paul, 36, 165, 190
 Drawdown, 190
 hazard, 30, 36
 Hazard Index, 108
 hazardous air pollutants, 27, 46, 55
 heavy metals, 57
 Hickel, Jason, 182
Hierarchy, 17
 High Frequency Active Auroral Research Program, 125
holism, 18
 Hothouse Earth, 6, 7, 167
 human displacement, 94
 human evolution, 50
 human history, 60
 human niche construction, 2–4, 15, 16, 21, 34, 50,
 53, 57, 68
Human Niche Construction Theory, 20
 human population, 3, 4, 78
 human rights, 93
 human security, 30, 44, 72
 Humanism, 181
 Hurricane Dorian, 38, 123
 Hurricane Harvey, 42, 146
 Hurricane Lane, 123
 Hurricane Maria, 123
 Hurricane Sandy, 42
 inequality, 2, 43, 46, 69, 153, 166
 insurance, 38, 148
 integral human ecology, 183
 intention, 27, 48, 169
 intentional, 47
 Inter-American Development Bank, 138
 internally displaced persons, 123
 John Muir, 175
 Kallis, Giorgos, 182
 Kirsch, Stuart, 66, 92, 172
 lag effect, 62
 land, 53
 land ethic, 179
 land rights, 88, 92, 141
 Landrigan, Philip, 48
 lead, 58
 legal, 168
 Leopold, Aldo, 1, 61, 171
 Levi, Primo, 118
 life expectancy, 12, 13
 market forces, 39, 186
 Martinez-Alier, Joan, 57
 mental health, 38, 40, 127, 152
 mercury, 42
 Microplastics, 12

- mining, 54
 - artisanal, 88
 - gold, 76
- mobility, 149
- modification of landscapes, 59
- Montreal Protocol, 53
- National Oceanic and Atmospheric Administration, 146
- Negative peace, 28
- neoliberal, 67
- NIMBY, Not In My Backyard, 94
- Nixon, 47
- Nixon, Rob, 44, 59
- non-carcinogenic, 106
- non-economic loss, 138, 157
- non-economic loss and damage, 40
- non-linearity, 17, 60
- nonpoint sources, 52
- non-toxic, 27, 35, 48, 166
- Notre Dame - Global Adaptation Initiative, 64, 72
- Obama, Barack, 66
- ocean acidification, 60, 144, 145
- ocean heat content, 145
- O'Neill, Daniel, 182
- Ostrom, Elinor, 179, 189
- overwash, 144
- Pampana River, 70
- Pan-American Health Organization, 135
- Paris Climate Agreement, 53, 67, 185
- Peluso, Nancy, 44
- perceptions, 19, 112, 125, 139, 156, 168
- Planetary Boundaries, 5, 10, 12
- PM2.5, 35, 55, 58, 59
- point sources, 52
- Pope Francis, 183
- Positive peace, 28
- Power differentials, 41
- preservation ethic, 175
- probabilistic risk analysis, 108
- quality of life, 40
- Resilience*, 17
- resource abundance, 49
- resource conflicts, 49
- Resource Conservation and Recovery Act, 53
- resource curse, 43
- resource extraction, 94
- risk, 30, 36
 - carcinogenic, 106, 109
 - non-carcinogenic, 106
- rural populations, 71, 92
- Schellenberger, Michael, 124
- sea surface temperatures, 143, 145
- sea-level rise, 143
- securitization, 43
- selective pressures, 19, 21, 22, 36, 39, 41, 54, 63
- self-organization, 17, 18
- Sen, Amartya, 43
- Shultz, James, 137
- Sierra Leone, 70
- Sierra Leone Environmental Protection Agency, 72
- Sierra Leone National Protected Areas Authority, 76
- silent violence, 43
- slow onset vs. rapid onset*, 61
- Slow violence, 44
- socio-economic indicators, 7
- soil organic carbon, 56
- sovereignty, 140, 168
- Stafford Disaster Relief and Emergency Assistance Act, 134, 142
- state of matter, 1, 60
- Steffen, Will, 6, 9, 12
- storm surge, 57
- Structural violence, 28
- suicide, 127
- symbolic violence*, 29
- Systems theory, 16
- technology, 186, 187, 188
- thermal expansion, 57, 144
- threshold, 36, 60, 111, 171, 185
- time, 42, 59
- tipping points, 19, 60
- toxic, 27, 35, 165
- Toxic Substance Control Act, 56
- tractability*, 53
- trade policies, 93, 96
- tropical cyclones, 122
- tropical storms, 57
- Trump, Donald, 66
- Tschakert, Petra, 68
- Tu Weiming, 184
- turbidity, 86, 102, 111, 113
- 2-degree Celsius, 7
- undocumented, 128, 135, 141, 147
- unequal distribution, 32, 44, 45, 131, 166, 178
- United Nations Framework Convention on Climate Change, 53, 67, 138, 185
- United Nations Human Development Report, 72
- urban, 62, 167
 - urbanization, 5, 58
- US Environmental Protection Agency, 35
- US Food and Drug Administration, 104
- US Forest Service, 178

250

Index

US Geological Survey, 124
US National Park Service, 175
vector of violence, 26, 31
vehicle exhaust, 56
violence, 26
violence triad, 28
Violent Environments, 44

Voluntary Agencies Leading and Organizing
Repair, 134
vulnerability, 30, 36
water, 53
water insecurity, 43, 122
water pollution, 79
Watts, Michael J., 43, 44