

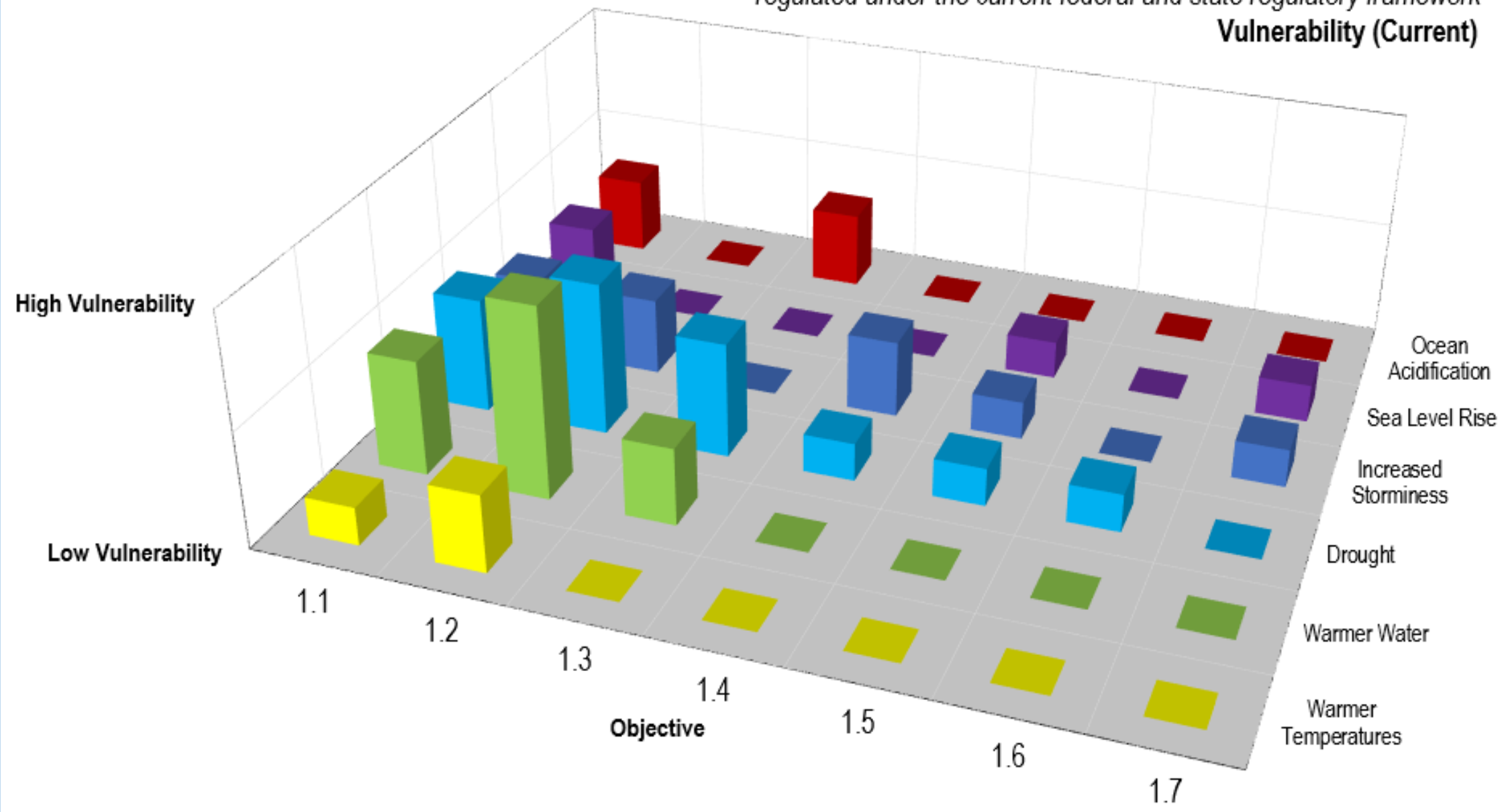
Goal #1 – Improve **water quality** through treatment or elimination of pollutant discharges regulated under the current federal and state regulatory framework

Objectives

- 1.1 – Attain water quality goals in TMDLs adopted for 303(d) listed waterbodies in the Santa Monica Bay Watershed
- 1.2 – Eliminate and prevent water and sediment quality impairments from both point and nonpoint sources for waterbodies in the Malibu Creek Watershed
- 1.3 – Eliminate biological impacts of water intake and discharge from coastal power and desalination plants
- 1.4 – Eliminate all harmful discharges to Areas of Special Biological Significance (ASBS)
- 1.5 – Institute a reliable regional funding mechanism for storm water quality improvement
- 1.6 – Reduce and prevent non-storm water runoff from urban land uses
- 1.7 – Eliminate nonpoint pollution from on-site wastewater disposal systems (OWDSs)

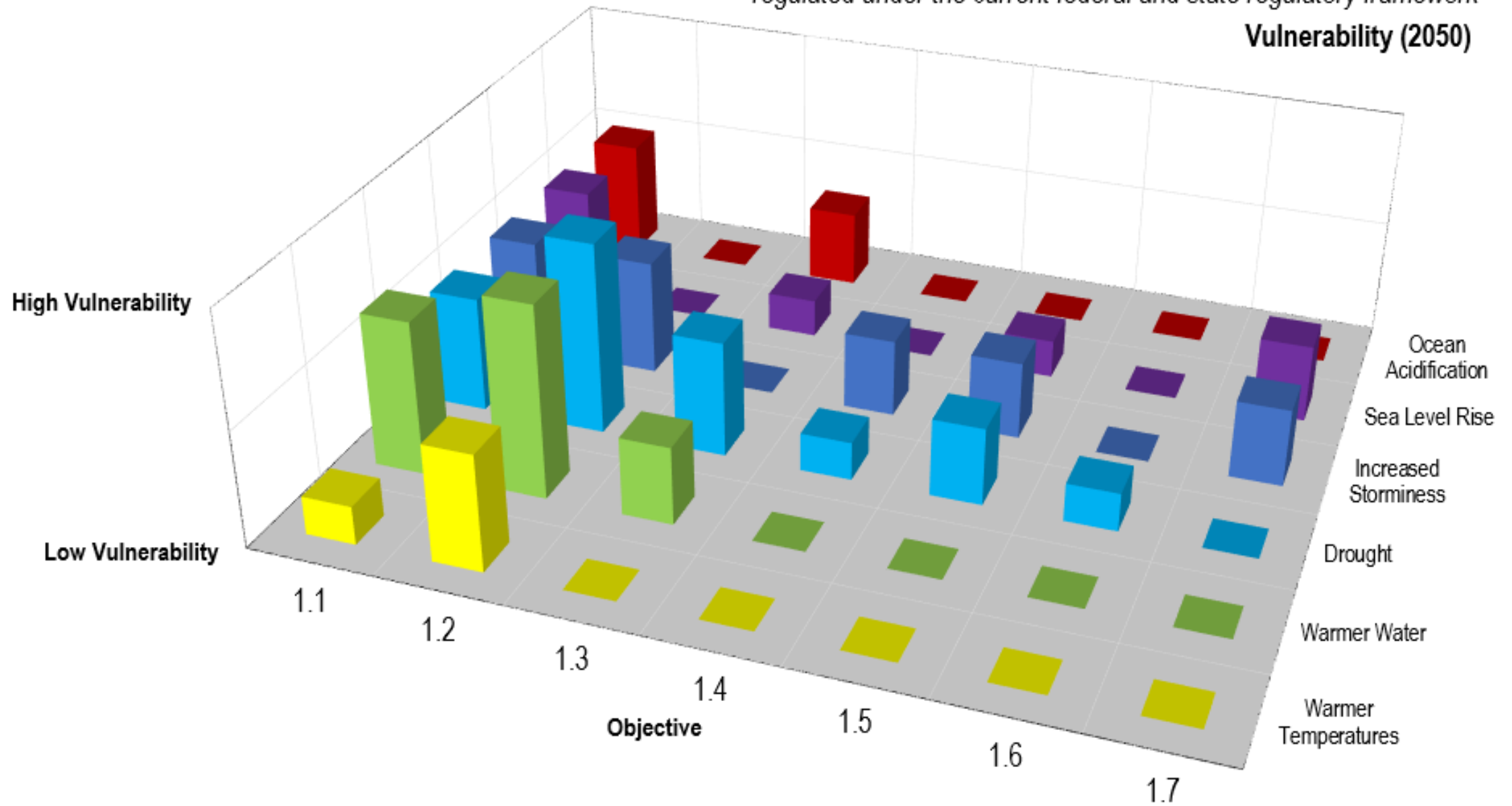
Goal #1 - Improve water quality through treatment or elimination of pollutant discharges regulated under the current federal and state regulatory framework

Vulnerability (Current)



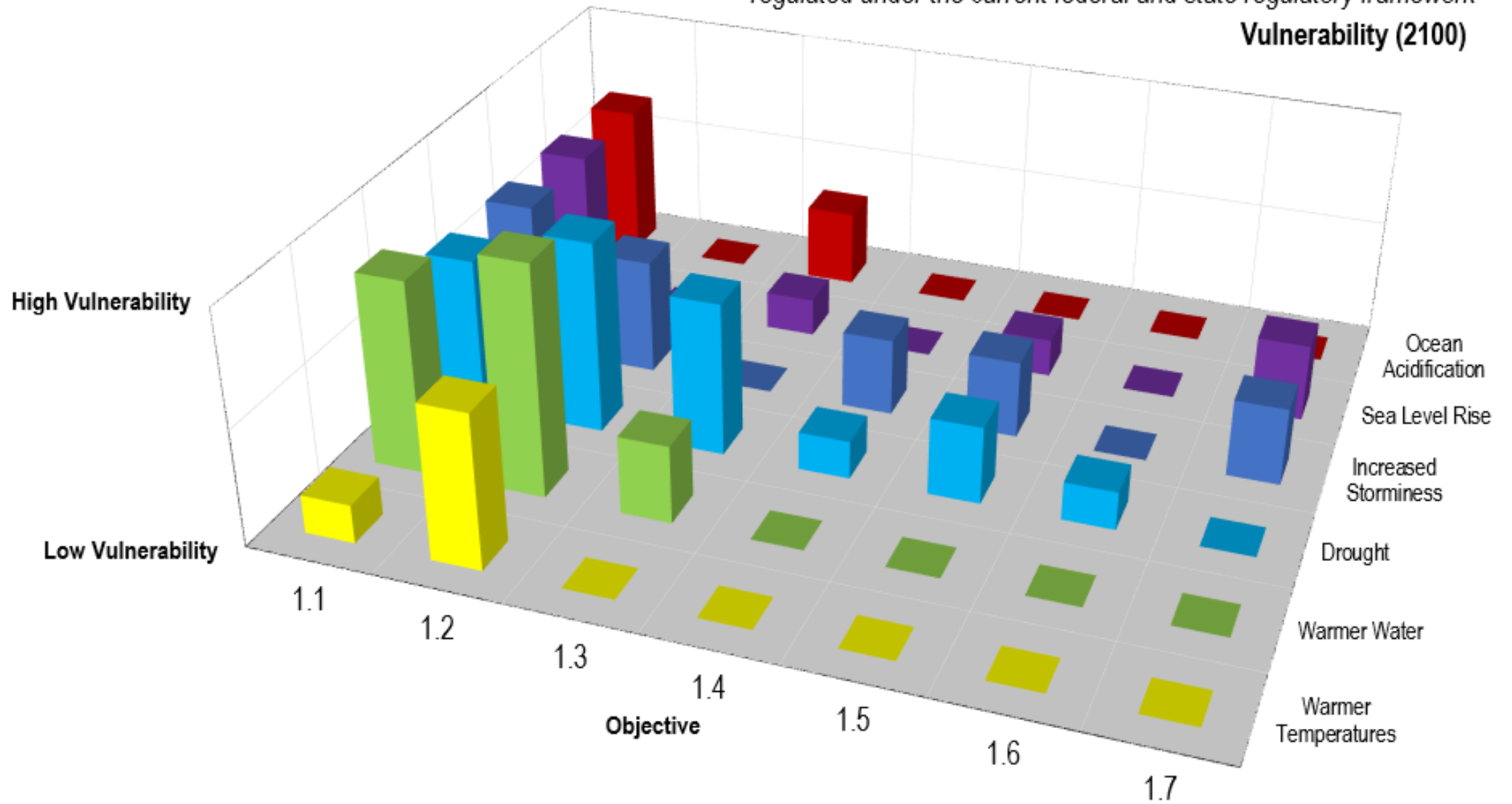
Goal #1 - Improve water quality through treatment or elimination of pollutant discharges regulated under the current federal and state regulatory framework

Vulnerability (2050)



Goal #1 - Improve water quality through treatment or elimination of pollutant discharges regulated under the current federal and state regulatory framework

Vulnerability (2100)



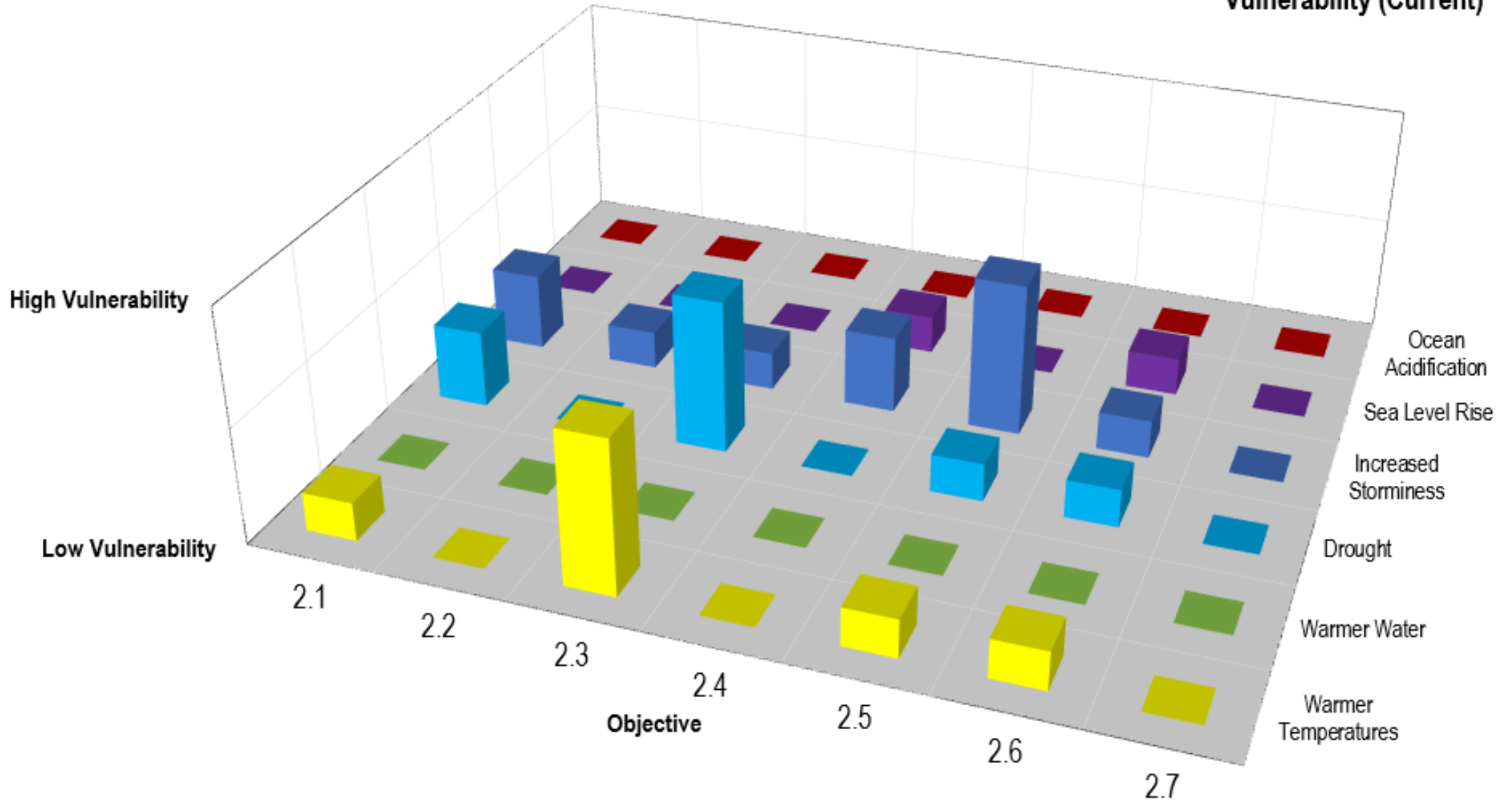
Goal #2 – Improve **water quality** through pollution prevention and source control

Objectives

- 2.1 – Increase pervious surfaces and storm water infiltration where feasible by supporting green infrastructure
- 2.2 – Reduce generation of trash through restricting and reducing the use of disposable plastics and polystyrene products
- 2.3 – Reduce aerial deposition of storm water pollutants to the Bay and the Bay Watershed
- 2.4 – Reduce pollution from commercial and recreational boating activities
- 2.5 – Reduce discharge of trash, oil and grease, and other pollutants from commercial and other high density areas
- 2.6 – Sustain and expand annual Coastal Cleanup
- 2.7 – Increase public awareness through Public Involvement and Education (PIE) mini-grant program

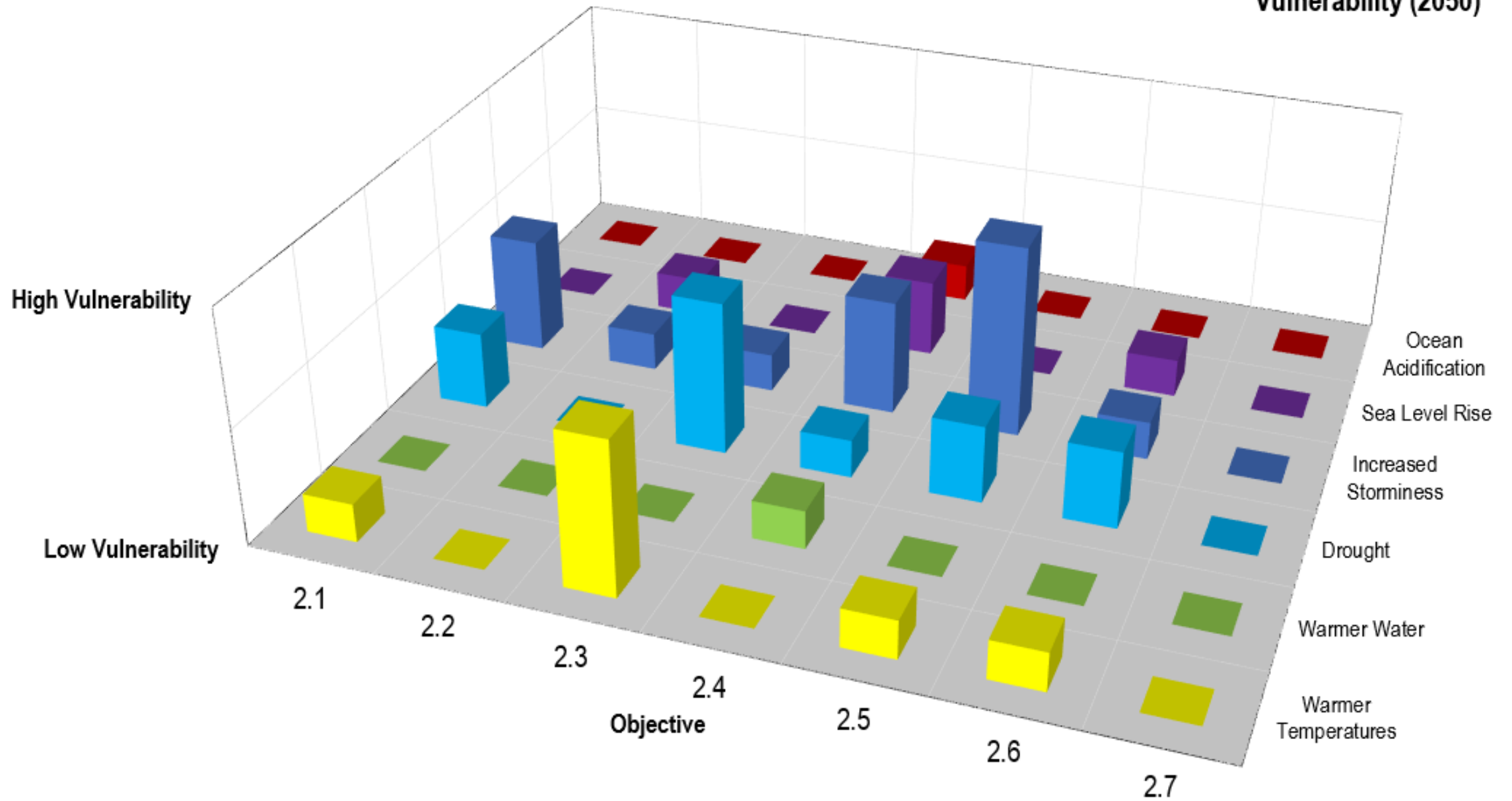
Goal #2 - Improve water quality through pollution prevention and source control

Vulnerability (Current)



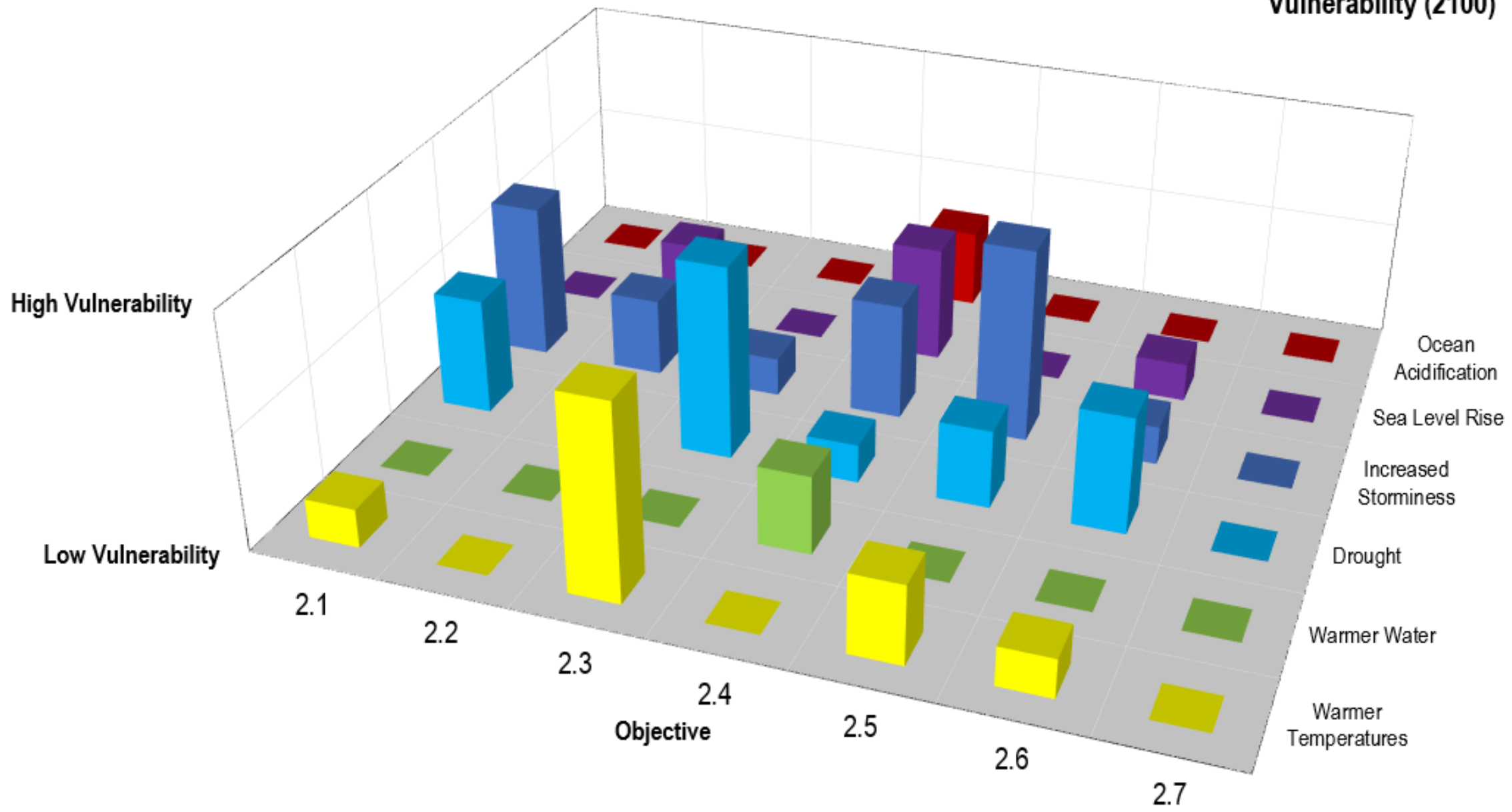
Goal #2 - Improve water quality through pollution prevention and source control

Vulnerability (2050)



Goal #2 - Improve water quality through pollution prevention and source control

Vulnerability (2100)



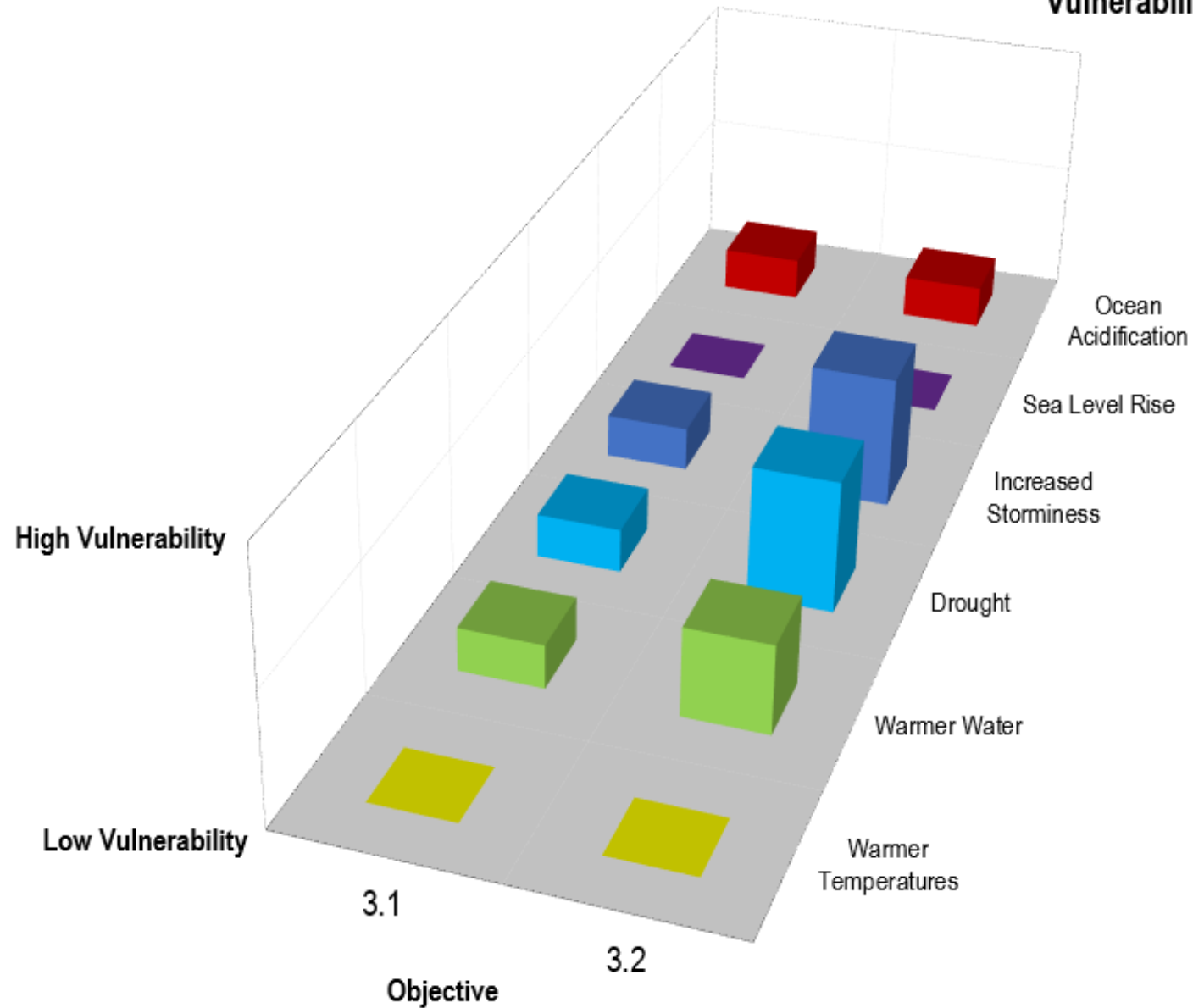
Goal #3 – Address potential impacts of emerging contaminants

Objectives

- 3.1 – Institutionalize monitoring of emerging contaminants
- 3.2 – Reduce loading of emerging contaminants in waterways

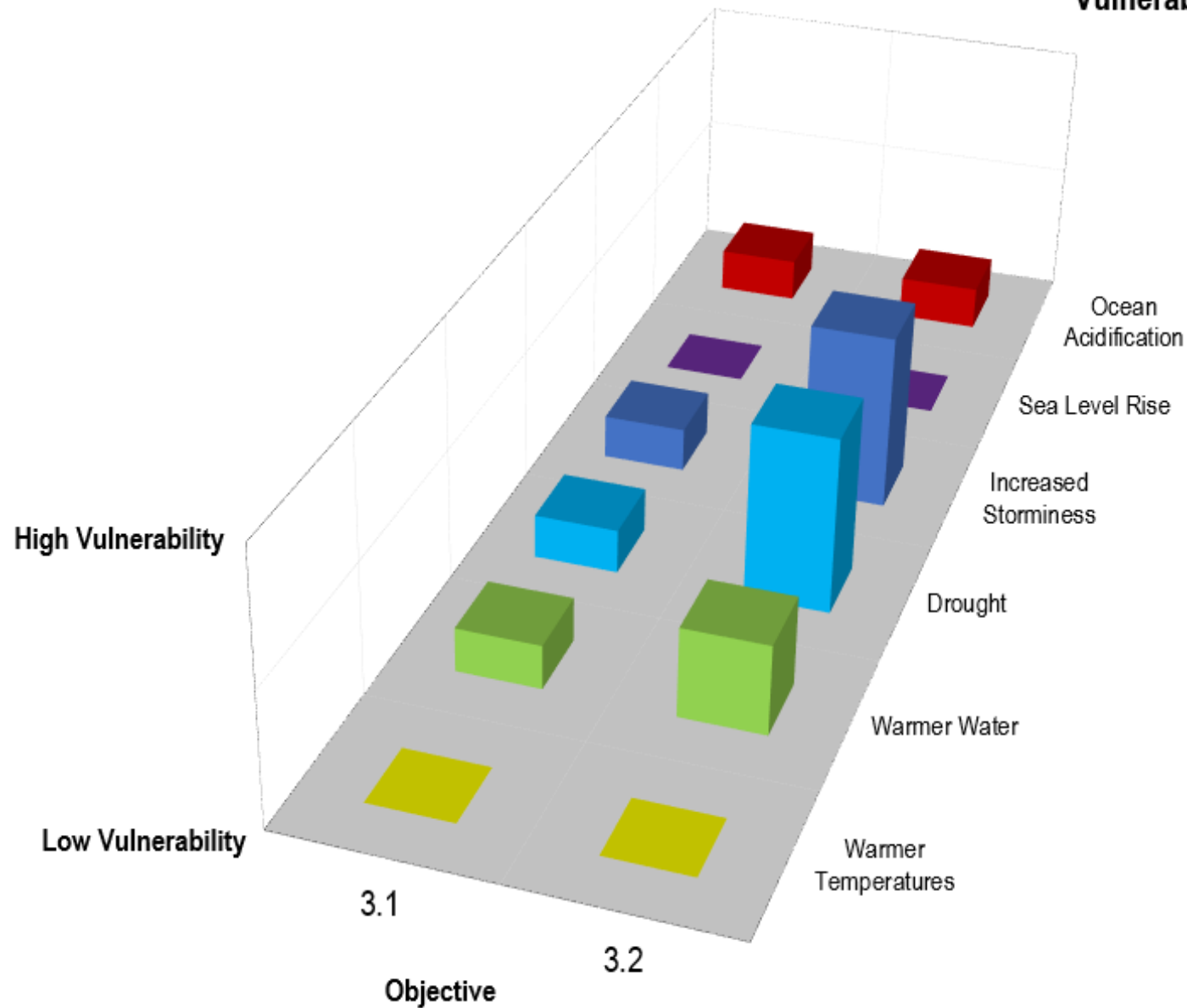
Goal #3 - Address potential impacts of emerging contaminants

Vulnerability (current)



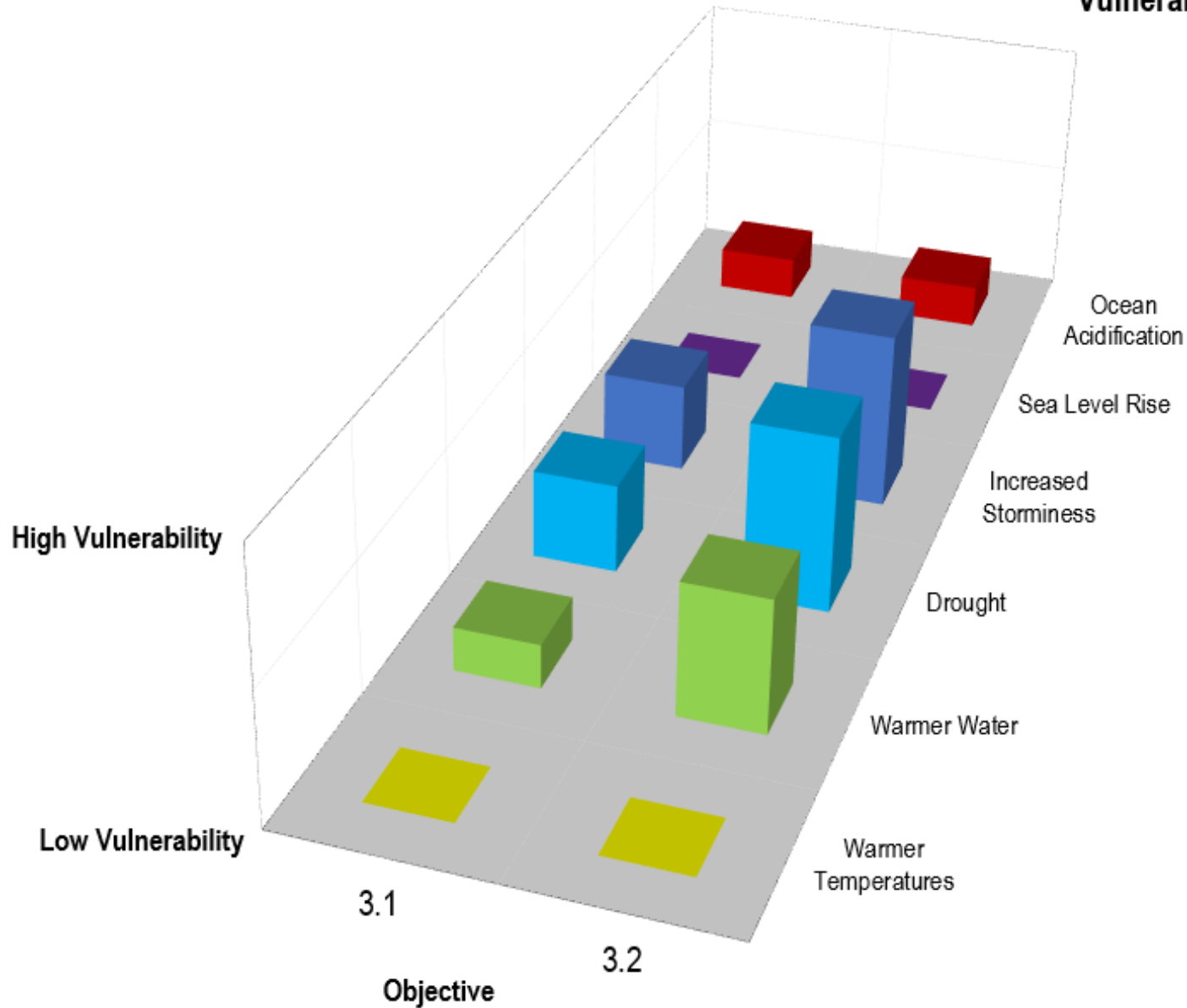
Goal #3 - Address potential impacts of emerging contaminants

Vulnerability (2050)



Goal #3 - Address potential impacts of emerging contaminants

Vulnerability (2100)



Goal #4 – Create/support policies and programs to protect natural resources

Objectives

4.1 – Facilitate development and adoption of natural stream protection ordinances and/or policies

4.2 – Enhance assessment and effective management of Marine Protected Areas in the Bay

4.3 – Evaluate and establish additional management measures to improve protection of fishery resources

4.4 – Promote and create programs to increase the supply of healthy local sustainable seafood

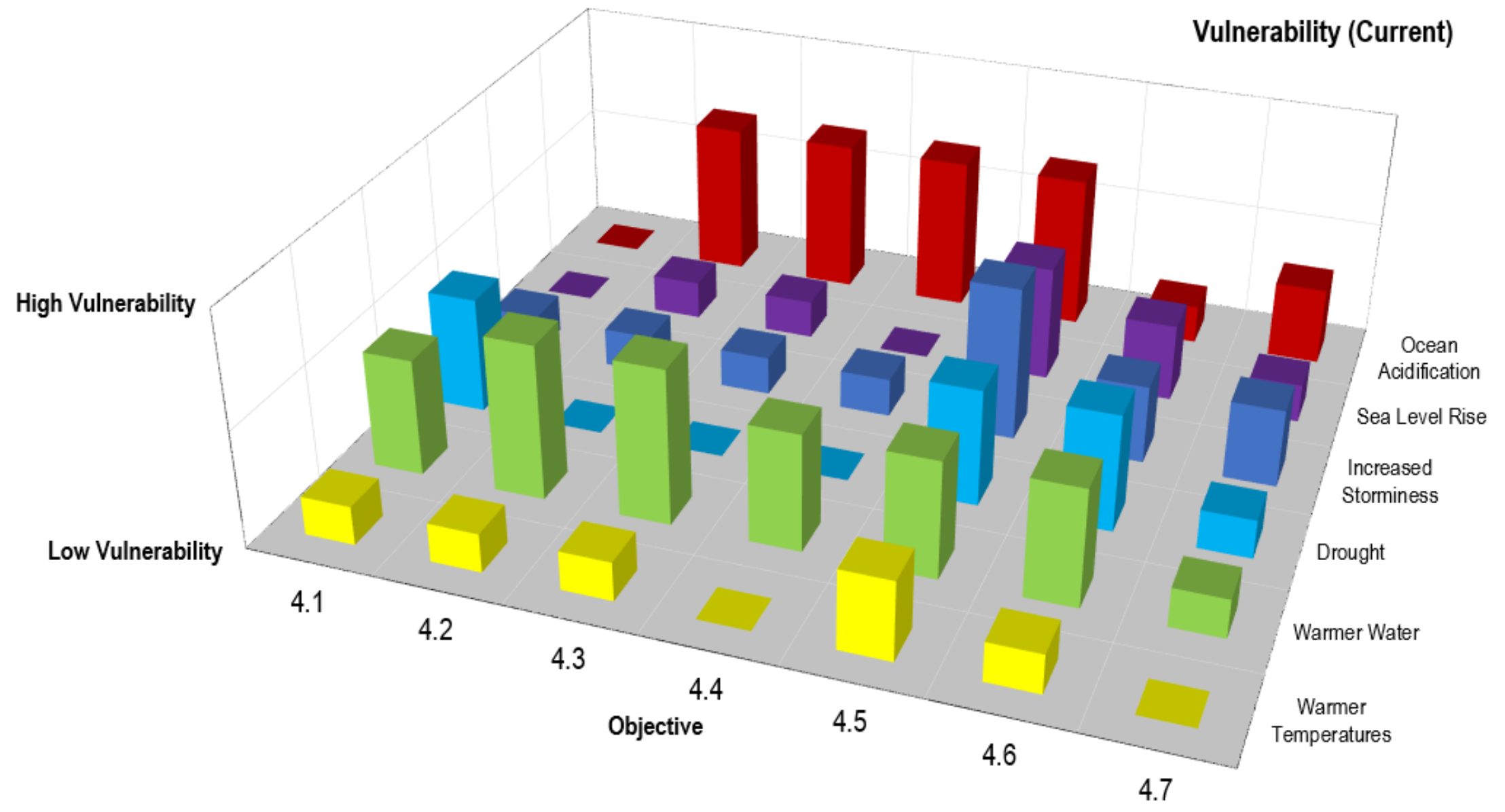
4.5 – Evaluate and address potential impacts of climate change on Santa Monica Bay

4.6 – Facilitate and coordinate water quality improvement and habitat restoration programs in key subwatersheds

4.7 – Implement a Comprehensive Bay Monitoring Program

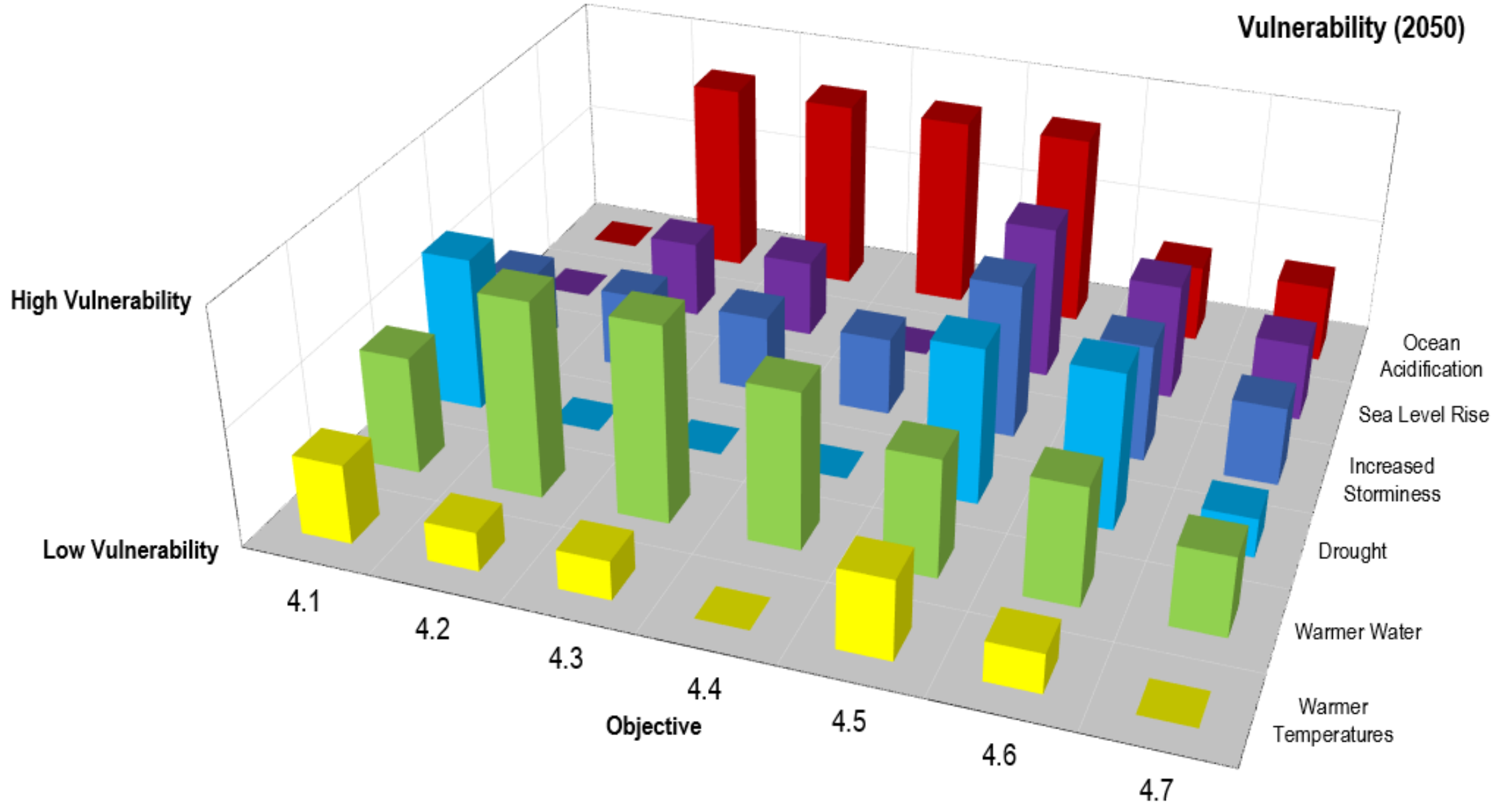
Goal #4 - Create/support policies and programs to protect natural resources

Vulnerability (Current)



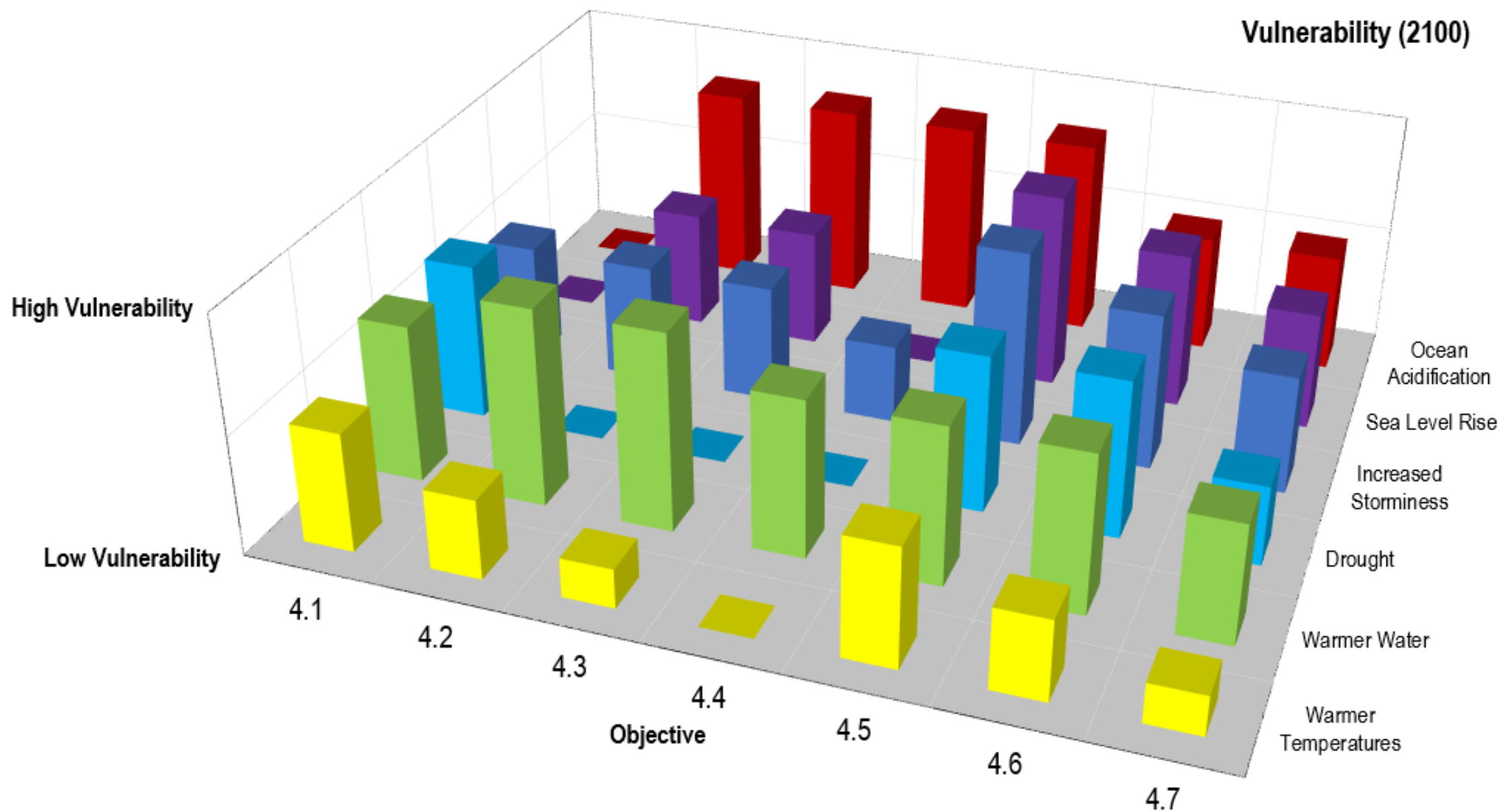
Goal #4 - Create/support policies and programs to protect natural resources

Vulnerability (2050)



Goal #4 - Create/support policies and programs to protect natural resources

Vulnerability (2100)



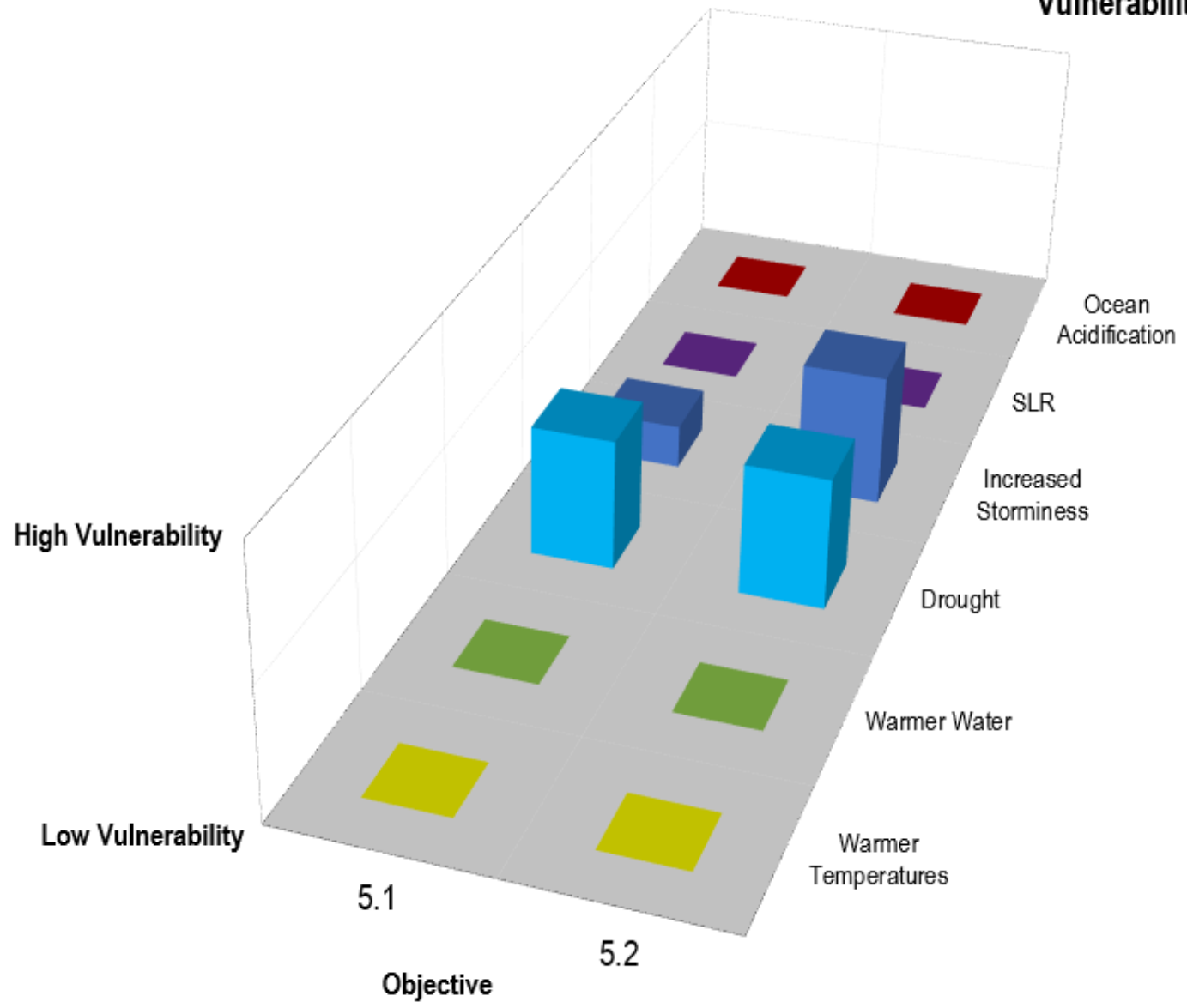
Goal #5 – Acquire land for preservation of habitat and ecological services

Objectives

- 5.1 – Acquire 2000 acres of priority open space in the Santa Monica Mountains
- 5.2 – Acquire priority parcels in urbanized areas of the watershed

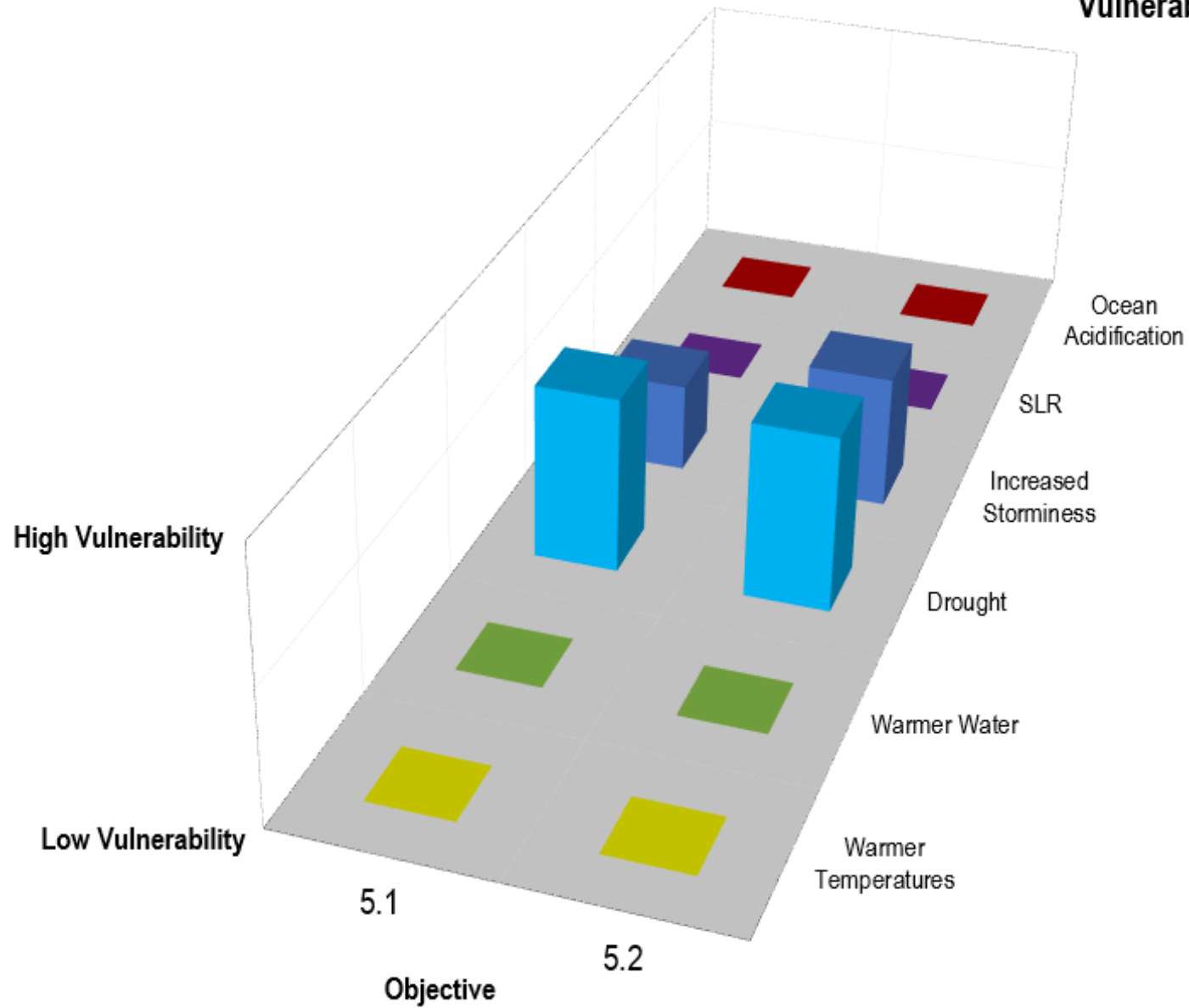
Goal #5 - Acquire land for preservation of habitat and ecological services

Vulnerability (current)



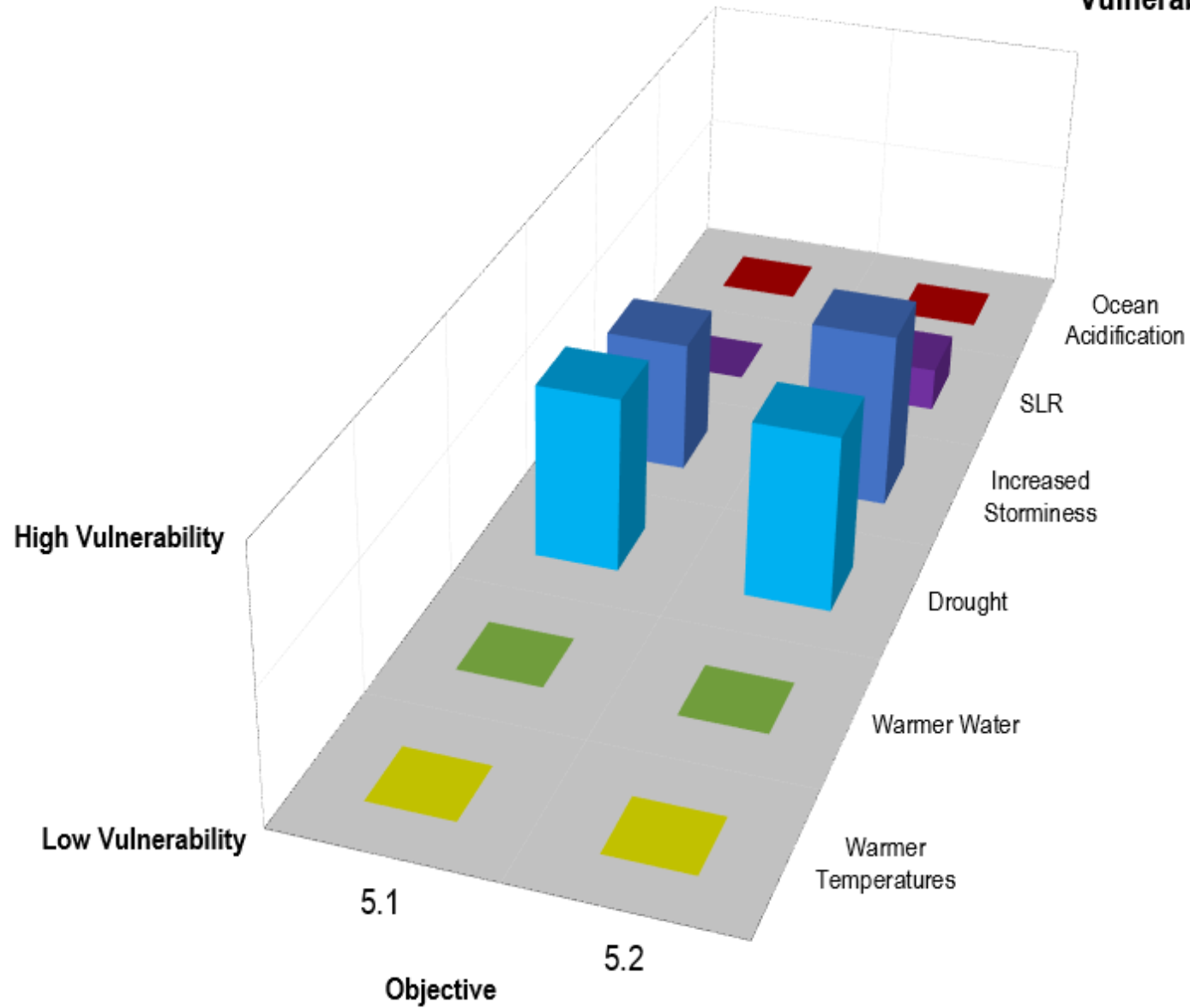
Goal #5 - Acquire land for preservation of habitat and ecological services

Vulnerability (2050)



Goal #5 - Acquire land for preservation of habitat and ecological services

Vulnerability (2100)



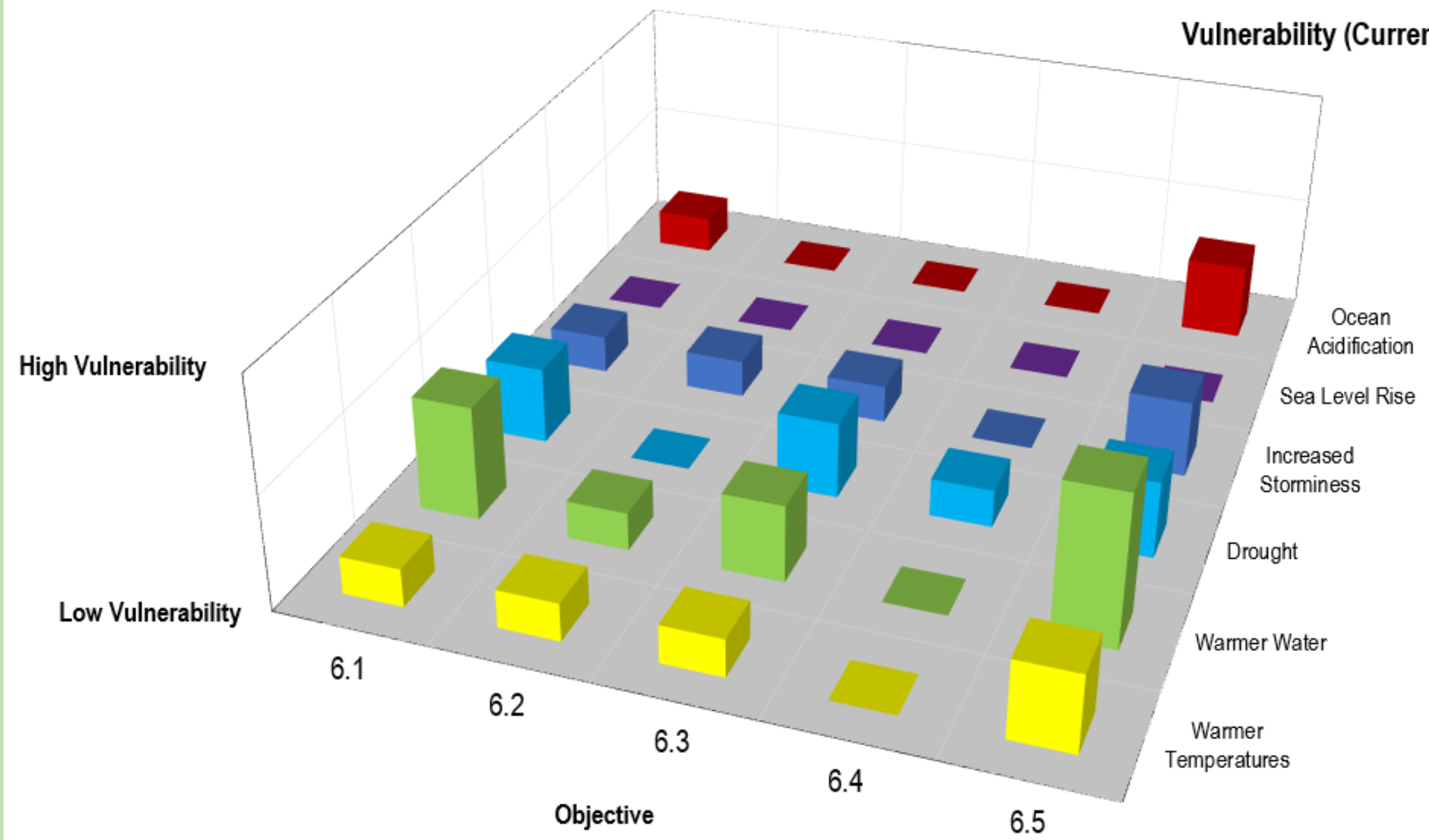
Goal #6 – Manage invasive species

Objectives

- 6.1 – Achieve 303d listing for aquatic invasive species
- 6.2 – Coordinate and fund public education and outreach on invasive species
- 6.3 – Develop and adopt a plan and policies for invasive species control and prevention
- 6.4 – Prevent importation and sale of known invasive species
- 6.5 – Fund and conduct invasive species removal programs and projects

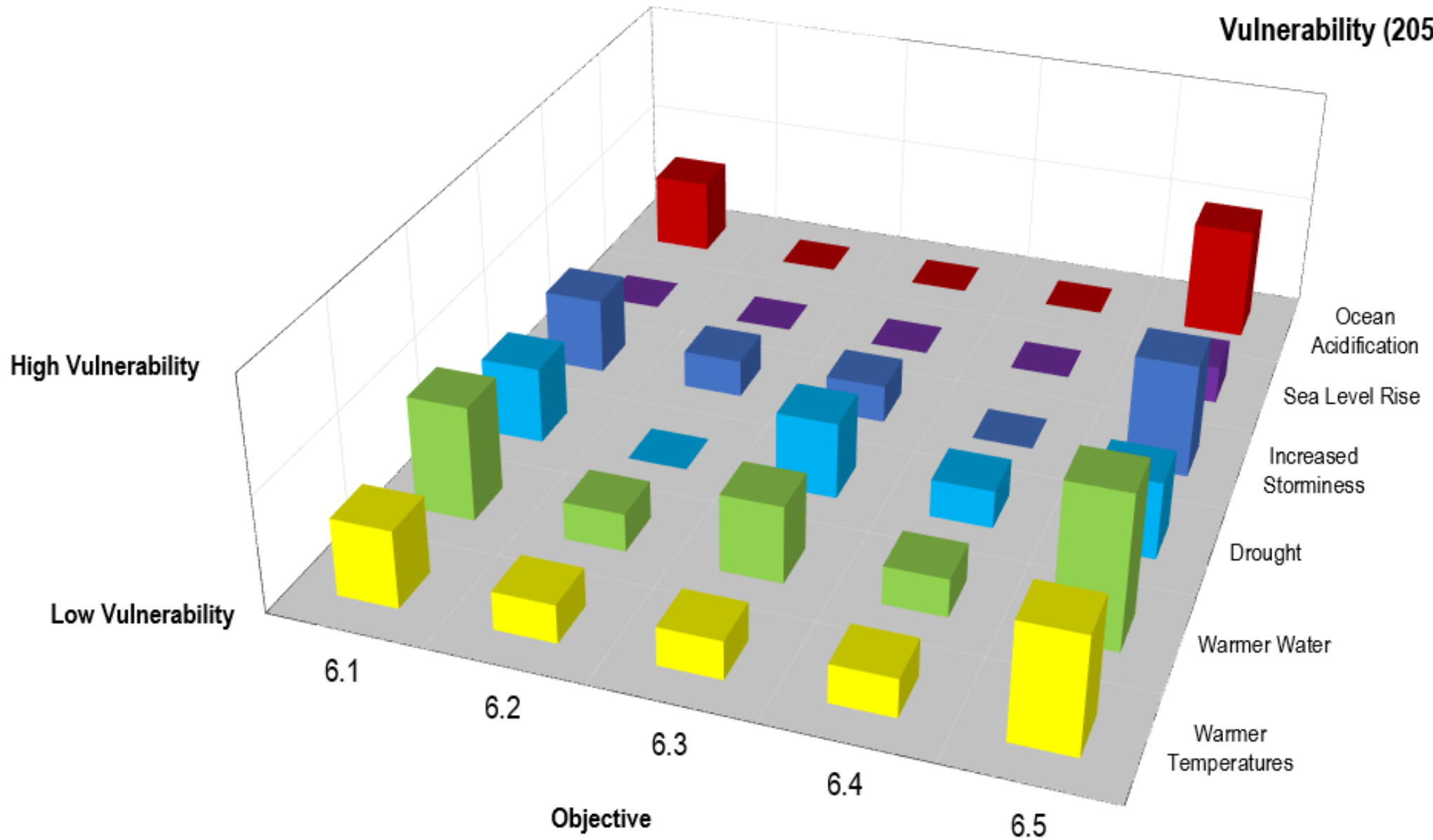
Goal #6 - Manage invasive species

Vulnerability (Current)



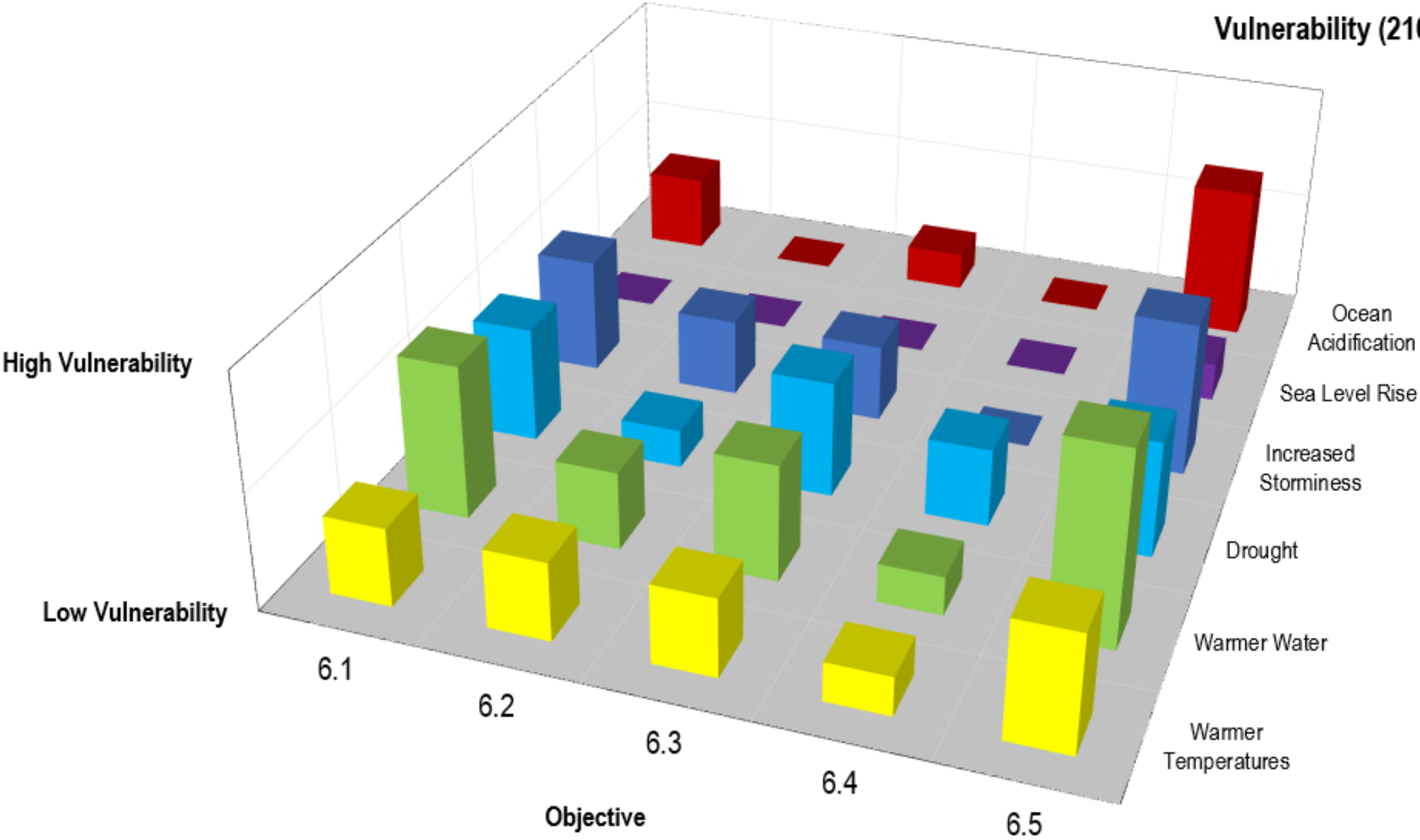
Goal #6 - Manage invasive species

Vulnerability (2050)



Goal #6 - Manage invasive species

Vulnerability (2100)



Goal #7 – Restore wetlands, streams, and riparian zones

Objectives

7.1 – Restore Ballona Wetlands

7.2 – Restore Malibu Lagoon

7.3 – Remove fish barriers and open 20 miles of stream habitat to migrating steelhead trout

7.4 – Restore urban streams, including daylighting culverted streams and removing cement channels

7.5 – Restore Topanga Lagoon

7.6 – Restore Oxford Lagoon to provide native species habitat, improved water quality, improved flood storage, and greater public access

7.7 – Restore Del Rey Lagoon to improve water quality and increase wetlands habitat and public access

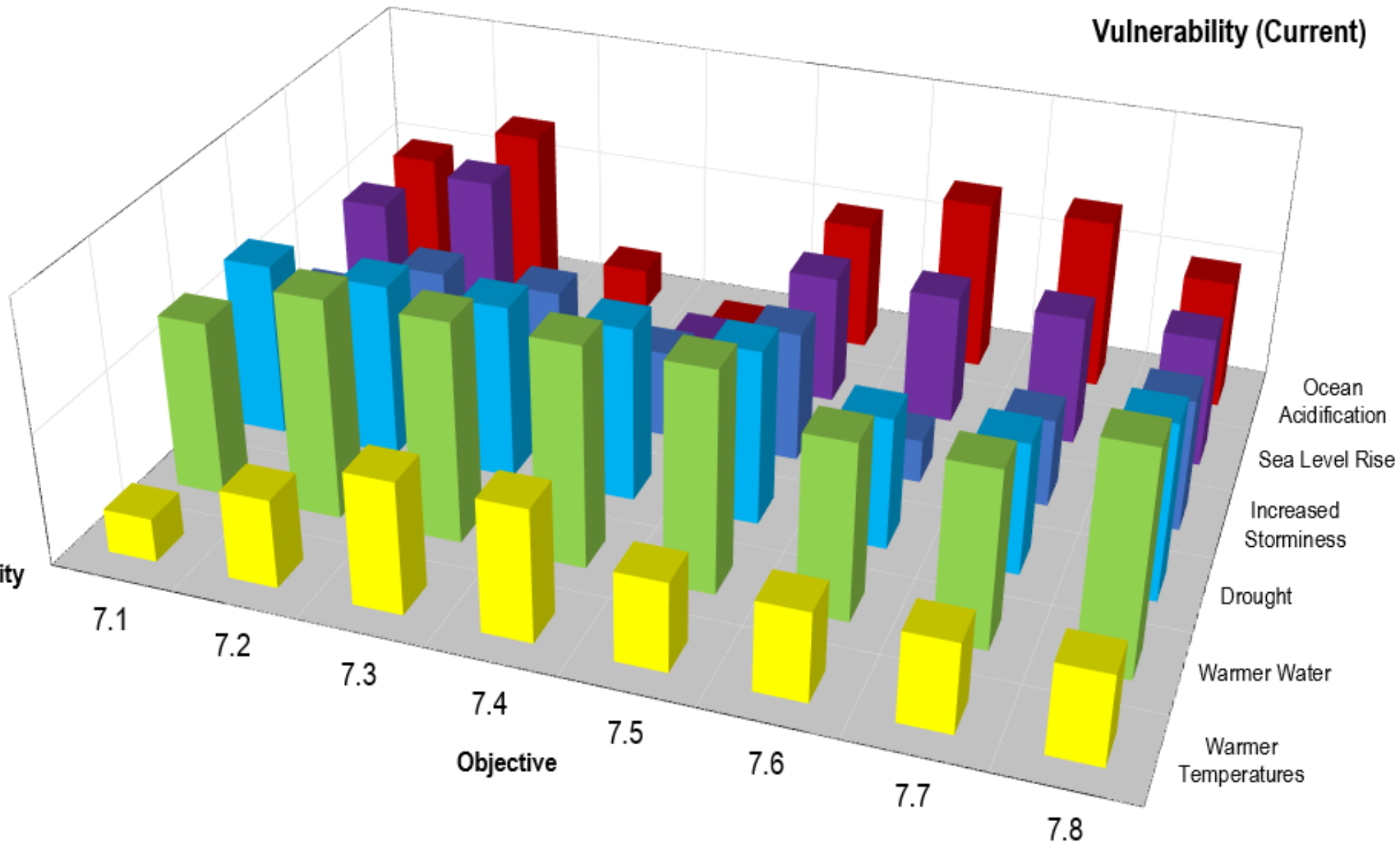
7.8 – Restore Trancas Lagoon

Goal #7 - Restore wetlands, streams, and riparian zones

Vulnerability (Current)

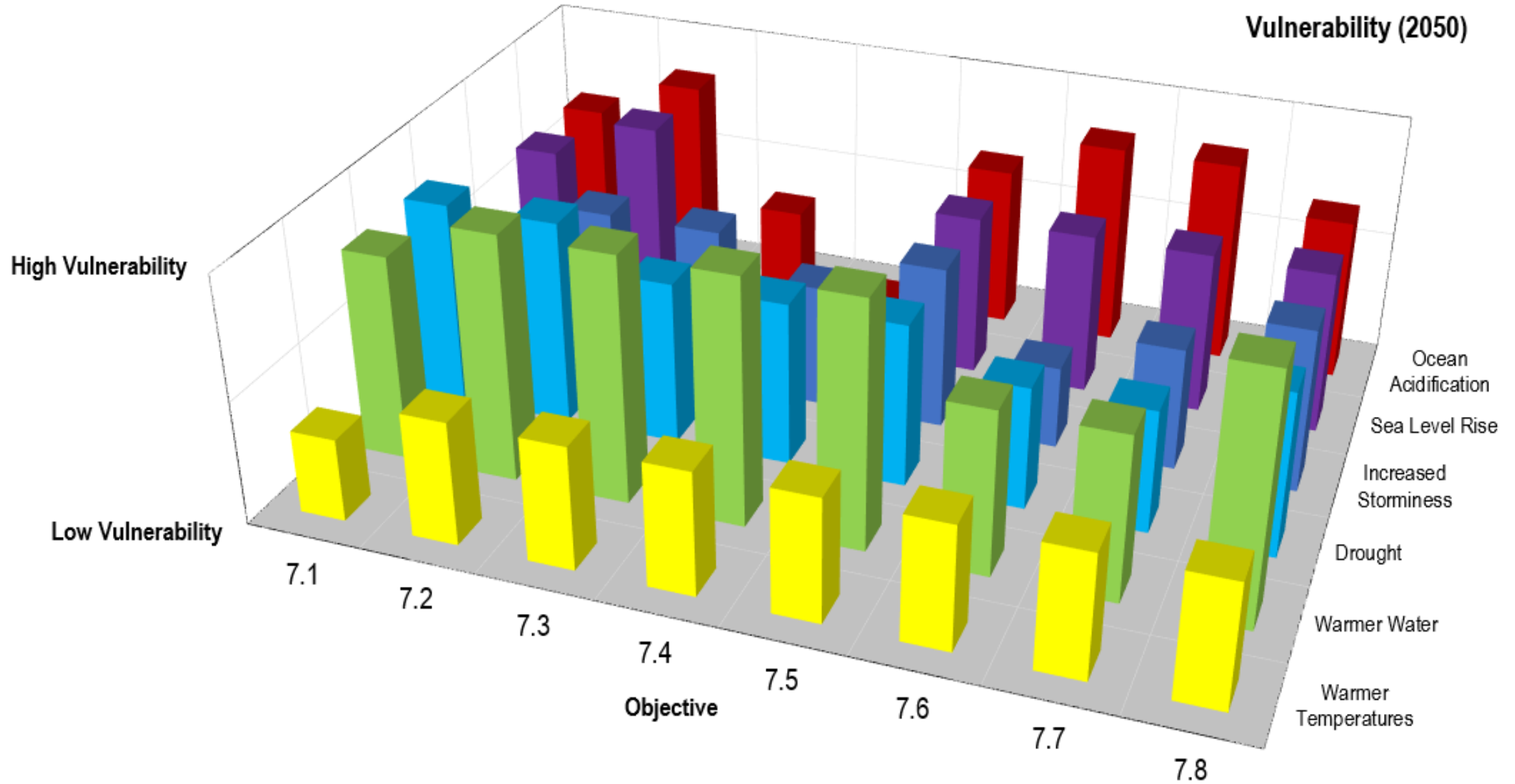
High Vulnerability

Low Vulnerability



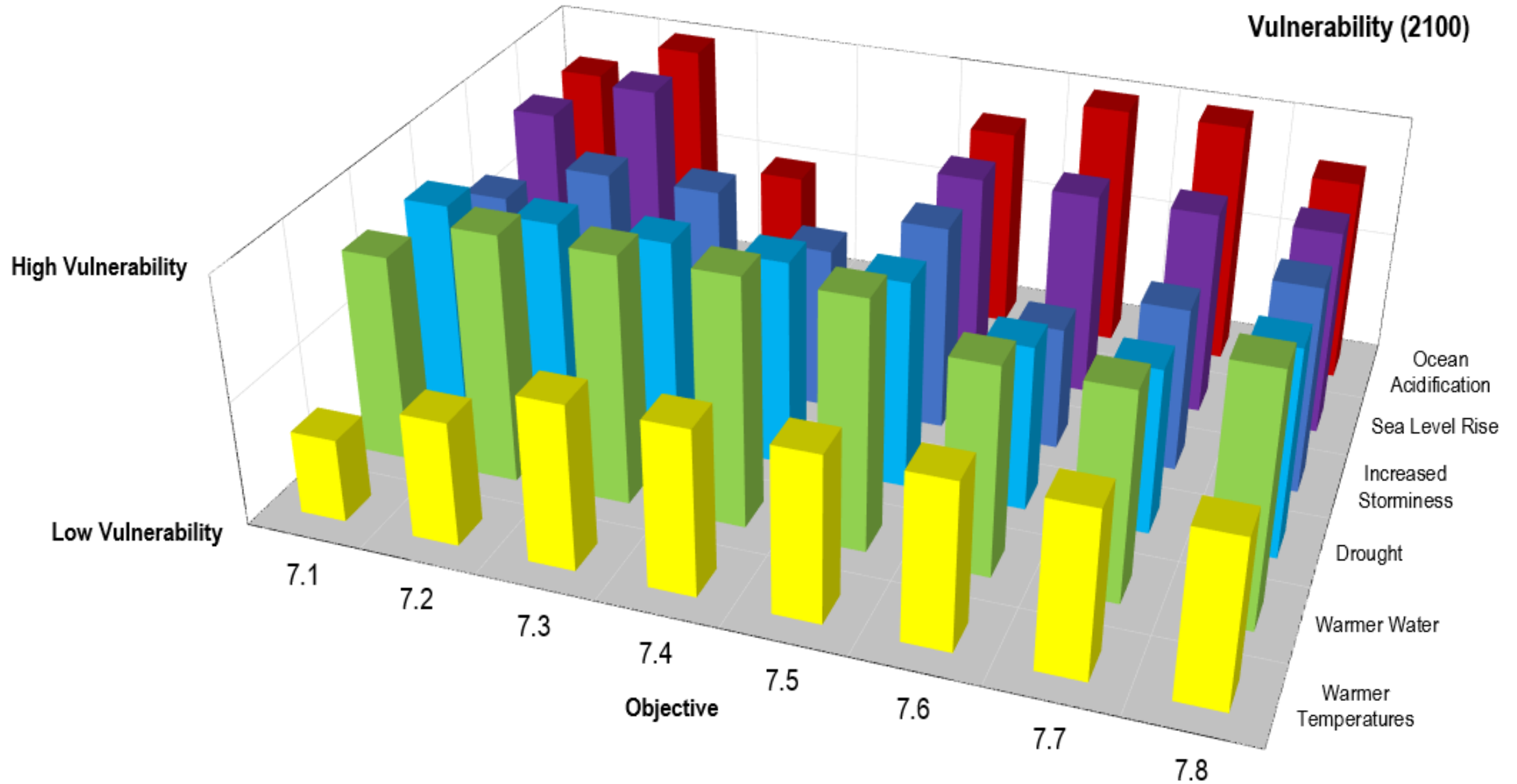
Goal #7 - Restore wetlands, streams, and riparian zones

Vulnerability (2050)



Goal #7 - Restore wetlands, streams, and riparian zones

Vulnerability (2100)



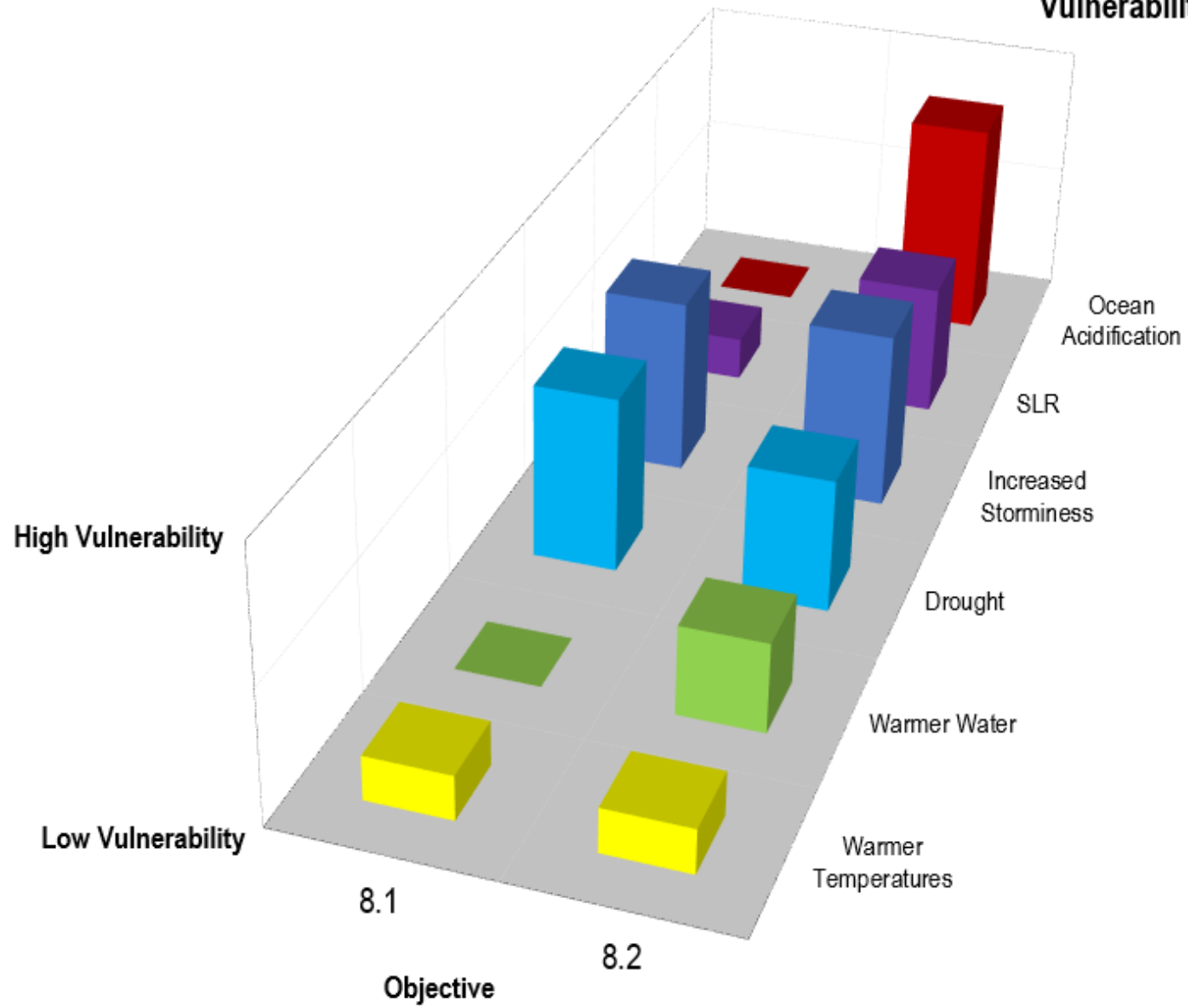
Goal #8 – Restore coastal bluffs, dunes, and sandy beaches

Objectives

- 8.1 – Restore native coastal bluff and upland scrub habitat
- 8.2 – Protect and manage sandy beach habitats

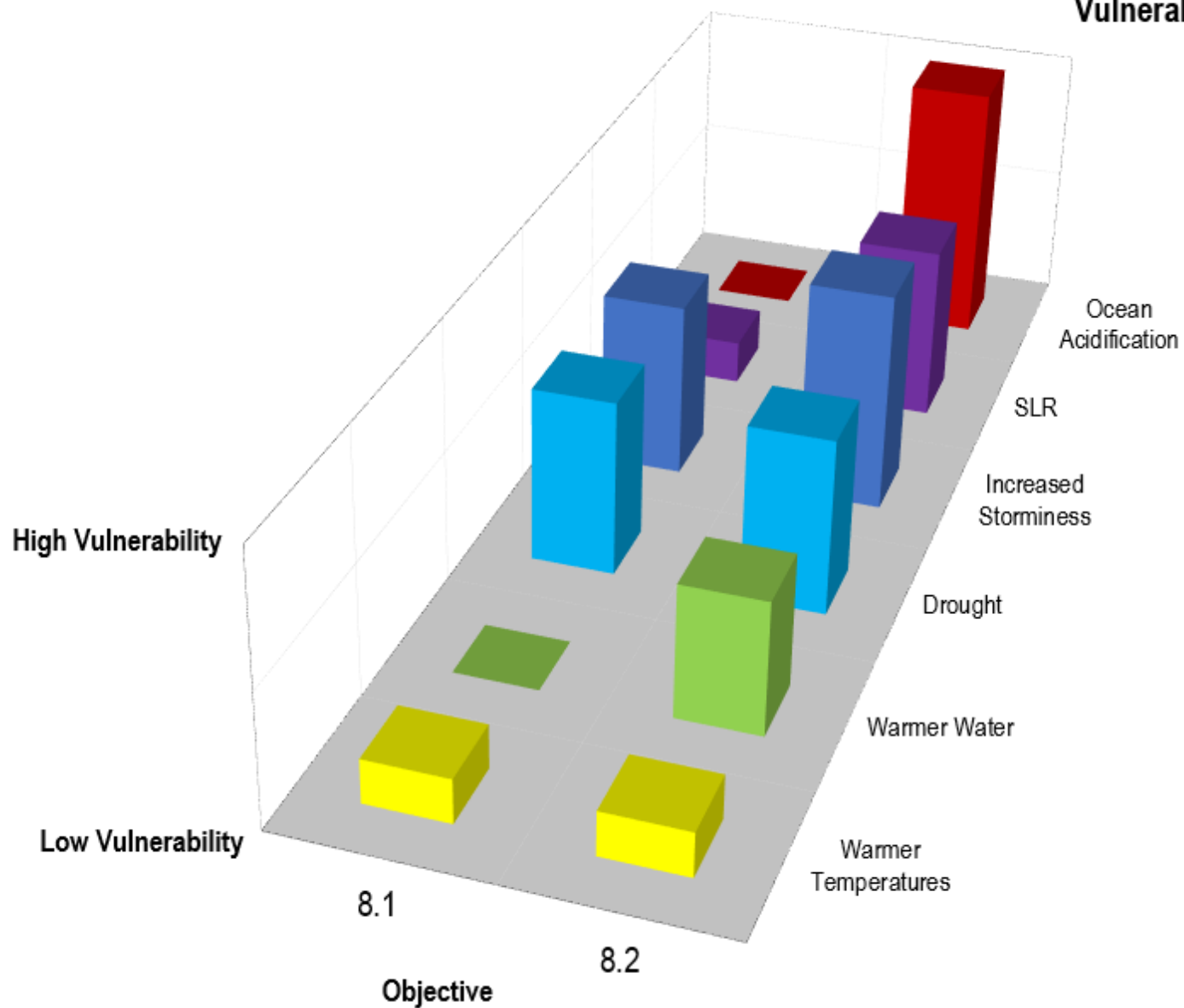
Goal #8 - Restore coastal bluffs, dunes, and sandy beaches

Vulnerability (current)



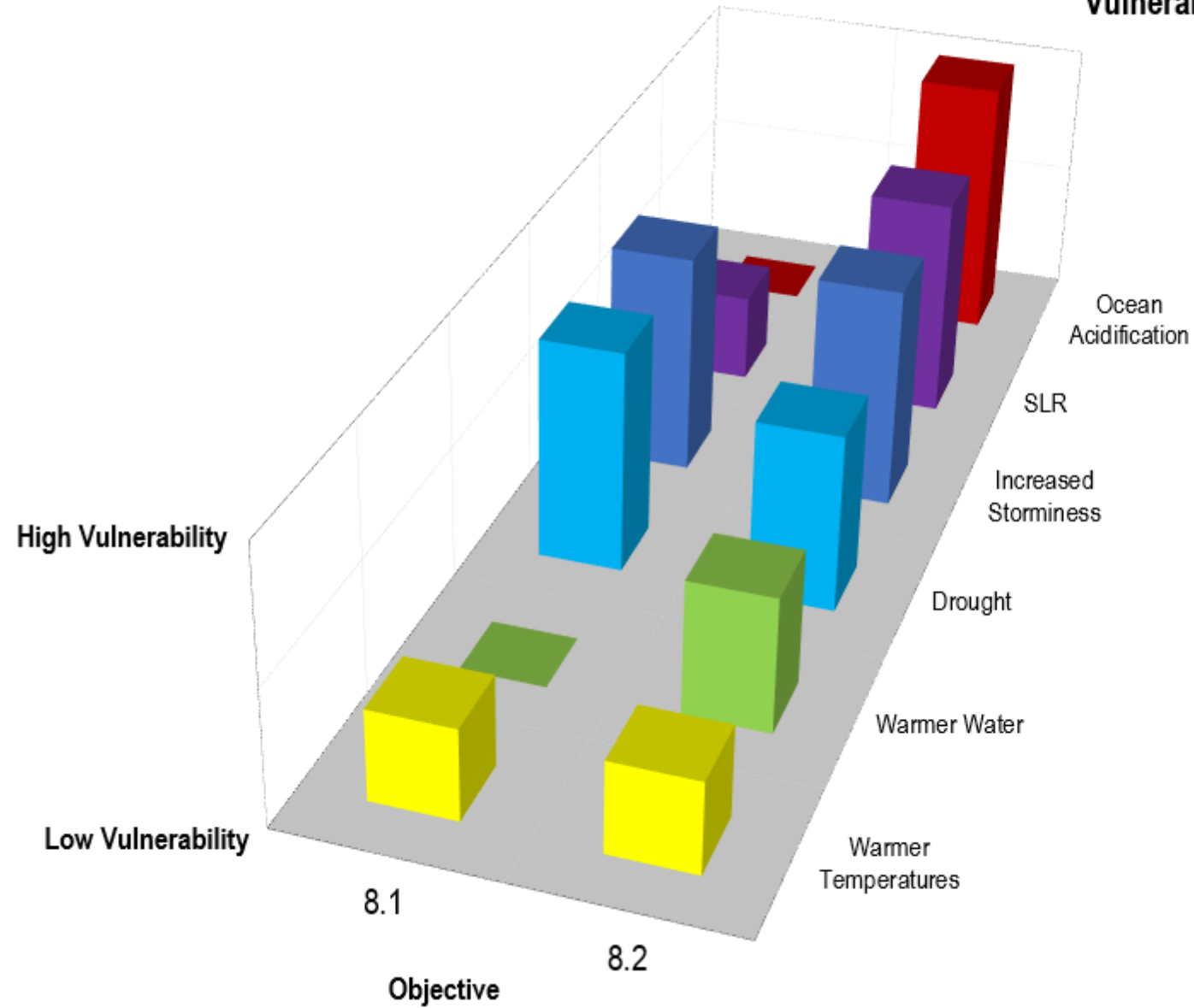
Goal #8 - Restore coastal bluffs, dunes, and sandy beaches

Vulnerability (2050)



Goal #8 - Restore coastal bluffs, dunes, and sandy beaches

Vulnerability (2100)



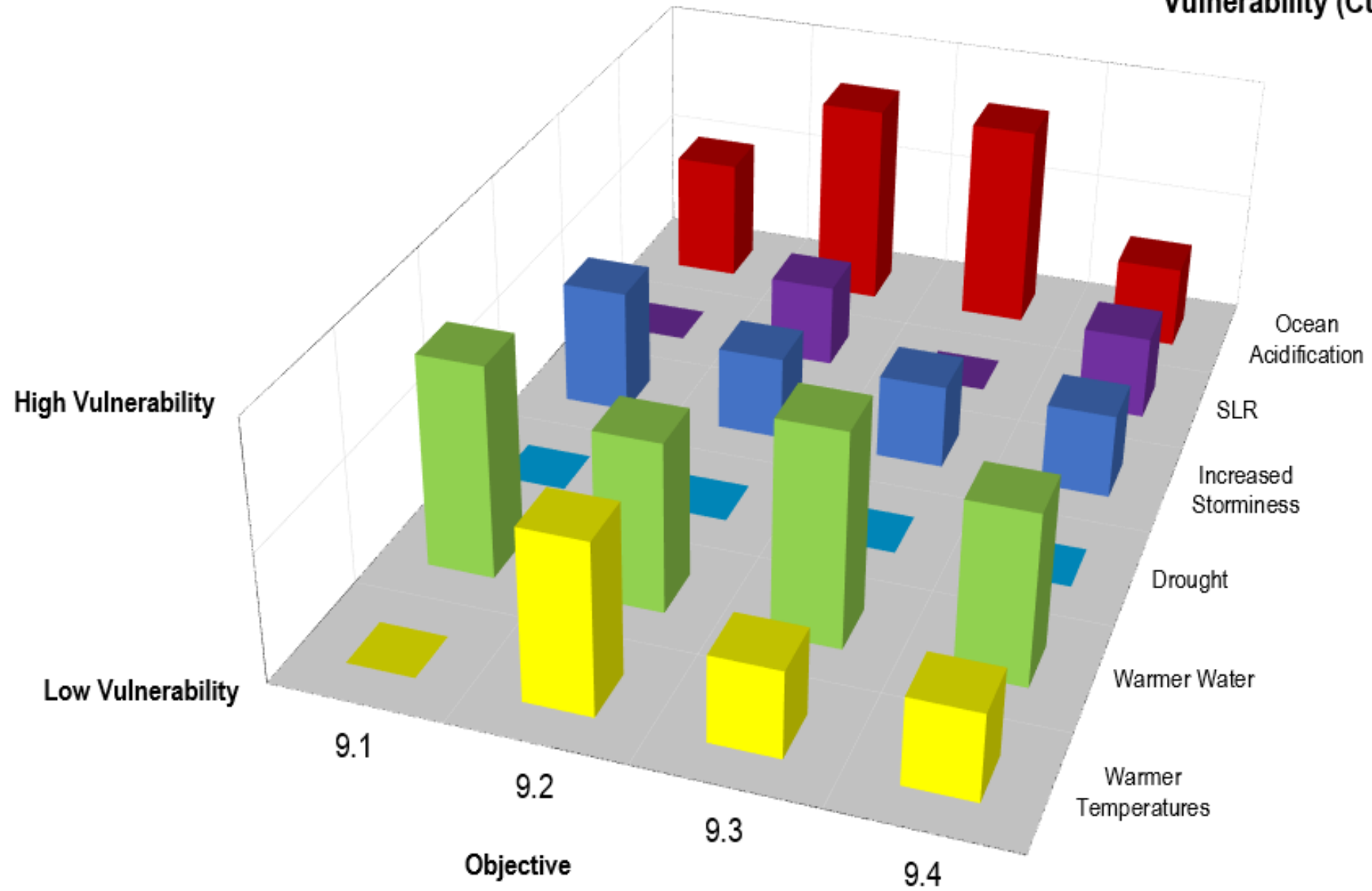
Goal #9 – Restore rocky intertidal and subtidal habitats

Objectives

- 9.1 – Restore and monitor sixty acres of kelp forest
- 9.2 – Protect and manage rocky intertidal habitat
- 9.3 – Re-introduce and restore abalone population
- 9.4 – Assess and protect seagrass habitats

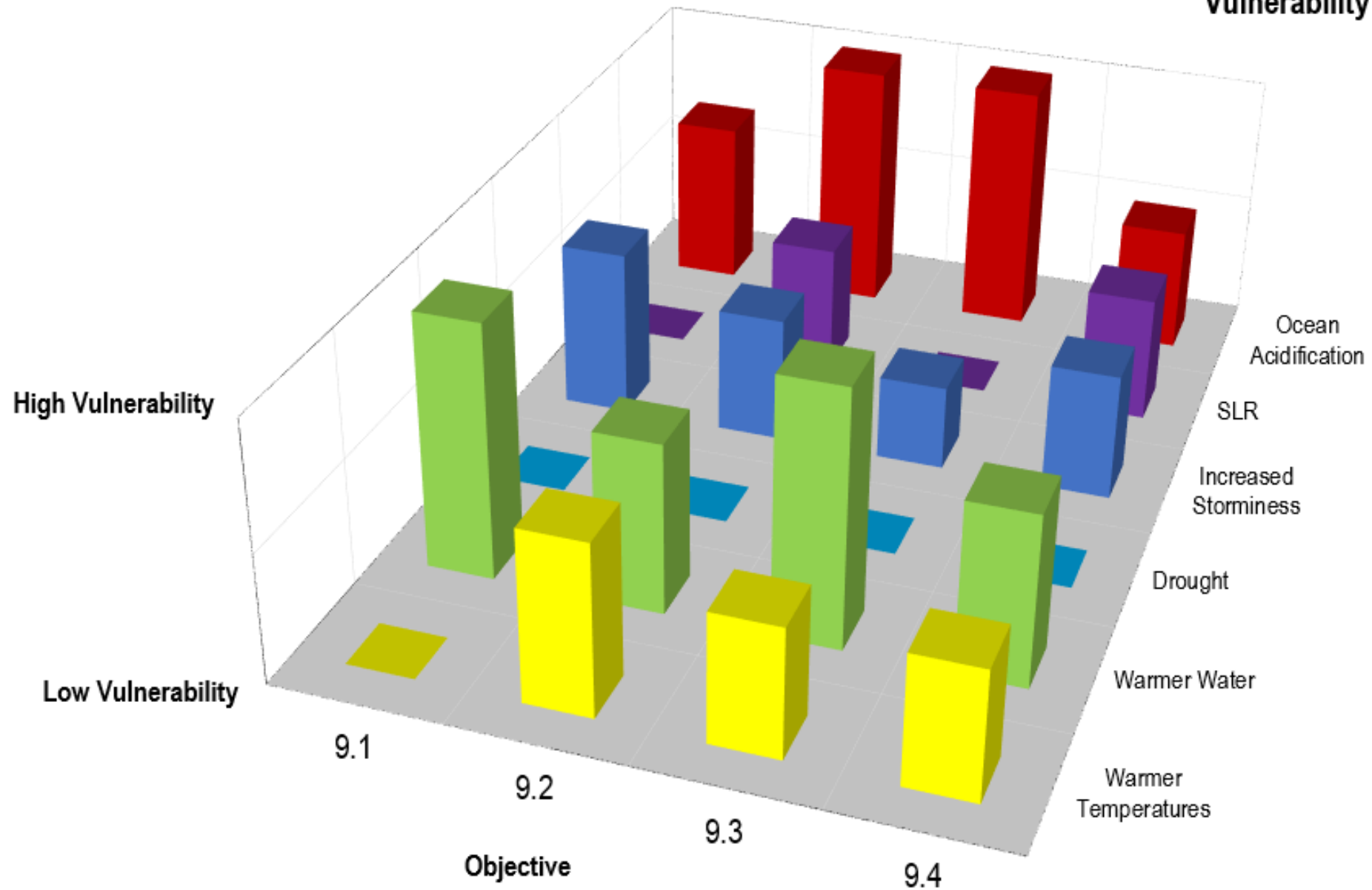
Goal #9 - Restore rocky intertidal and subtidal habitats

Vulnerability (Current)



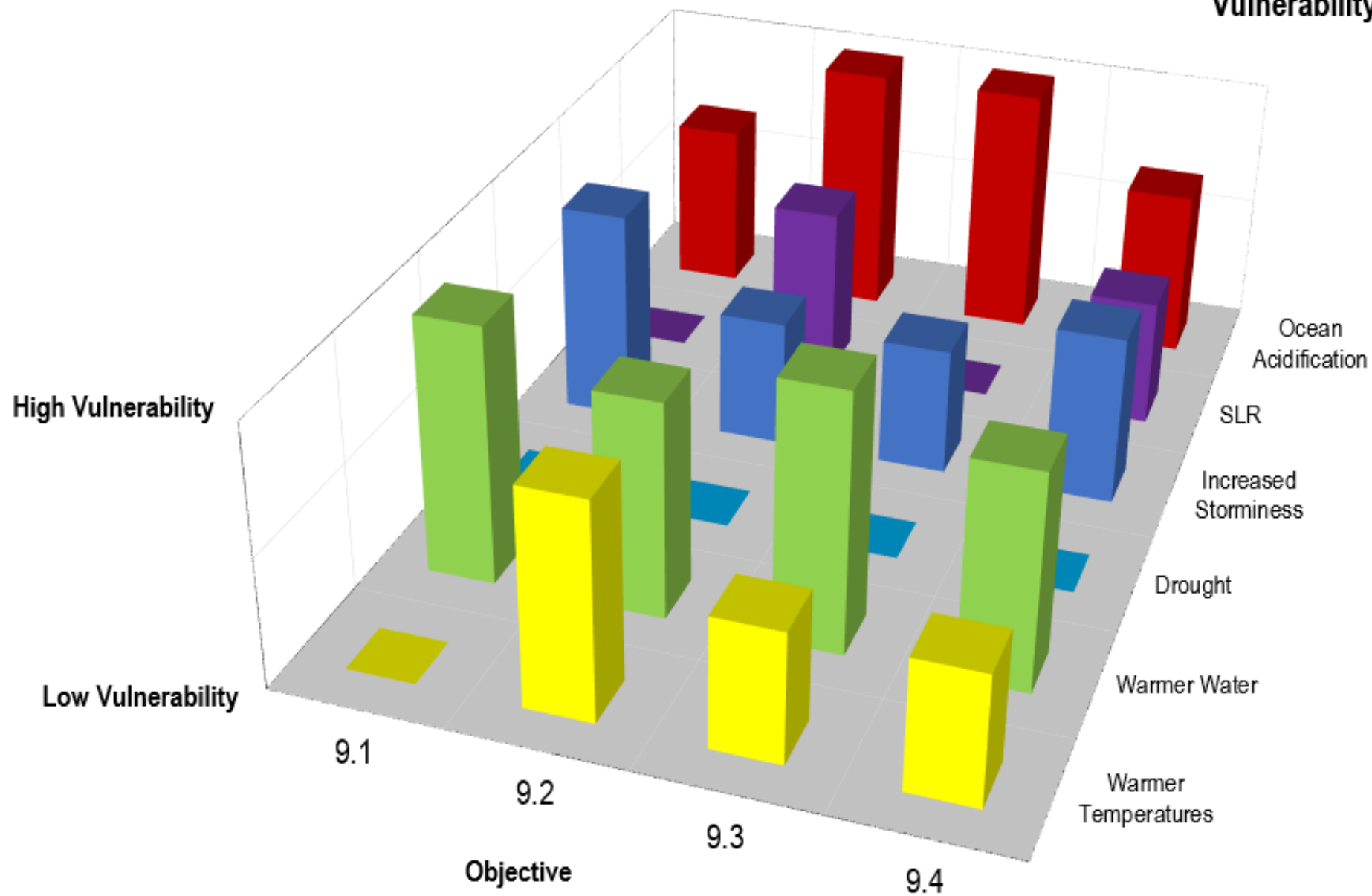
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Vulnerability (2050)



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Vulnerability (2100)



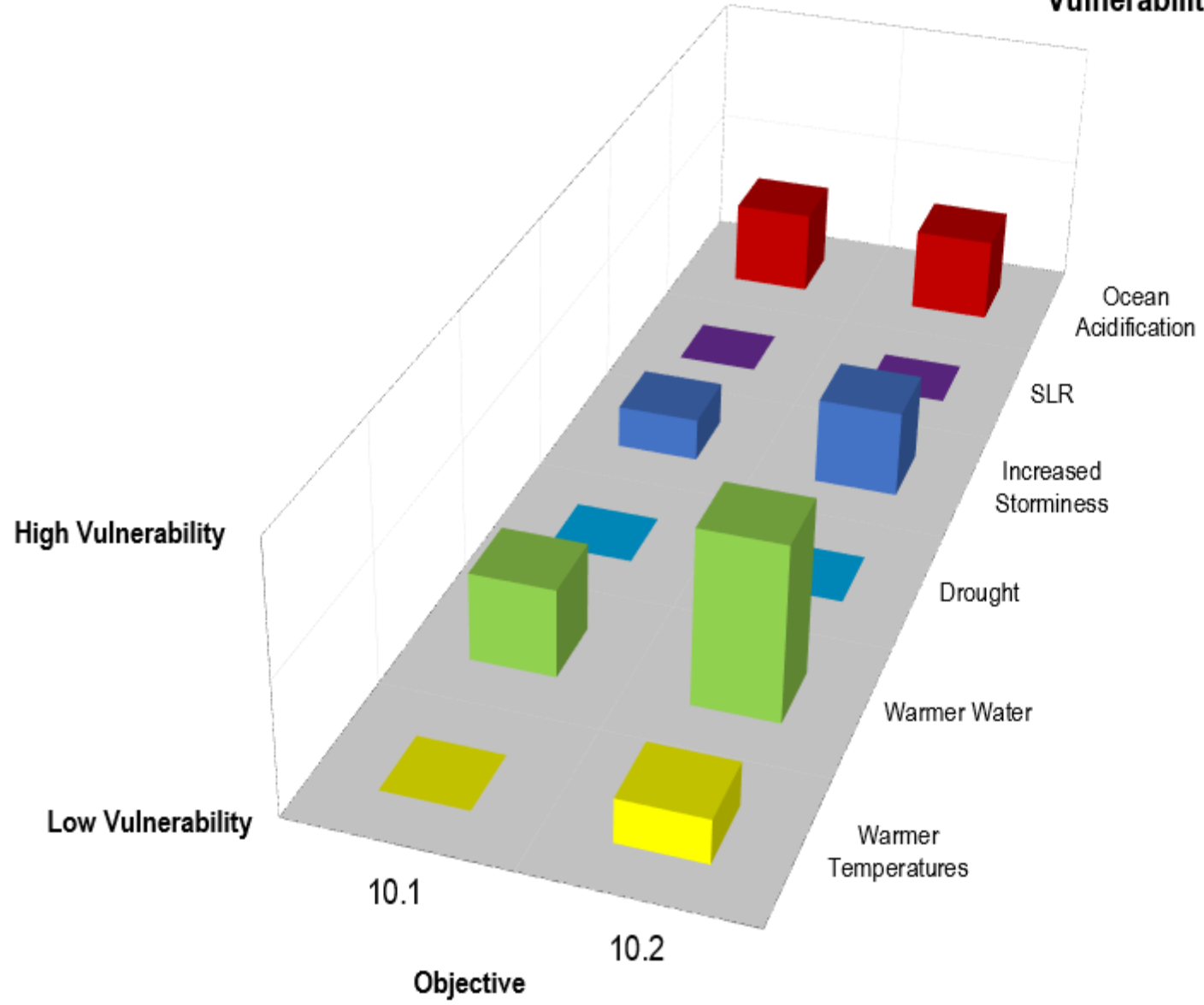
Goal #10 – Protect and restore open ocean and deep water habitats

Objectives

- 10.1 – Update and expand knowledge of unique habitats within Santa Monica Bay
- 10.2 – Assess harmful algal blooms and its causes and impacts on the Bay's ecosystem

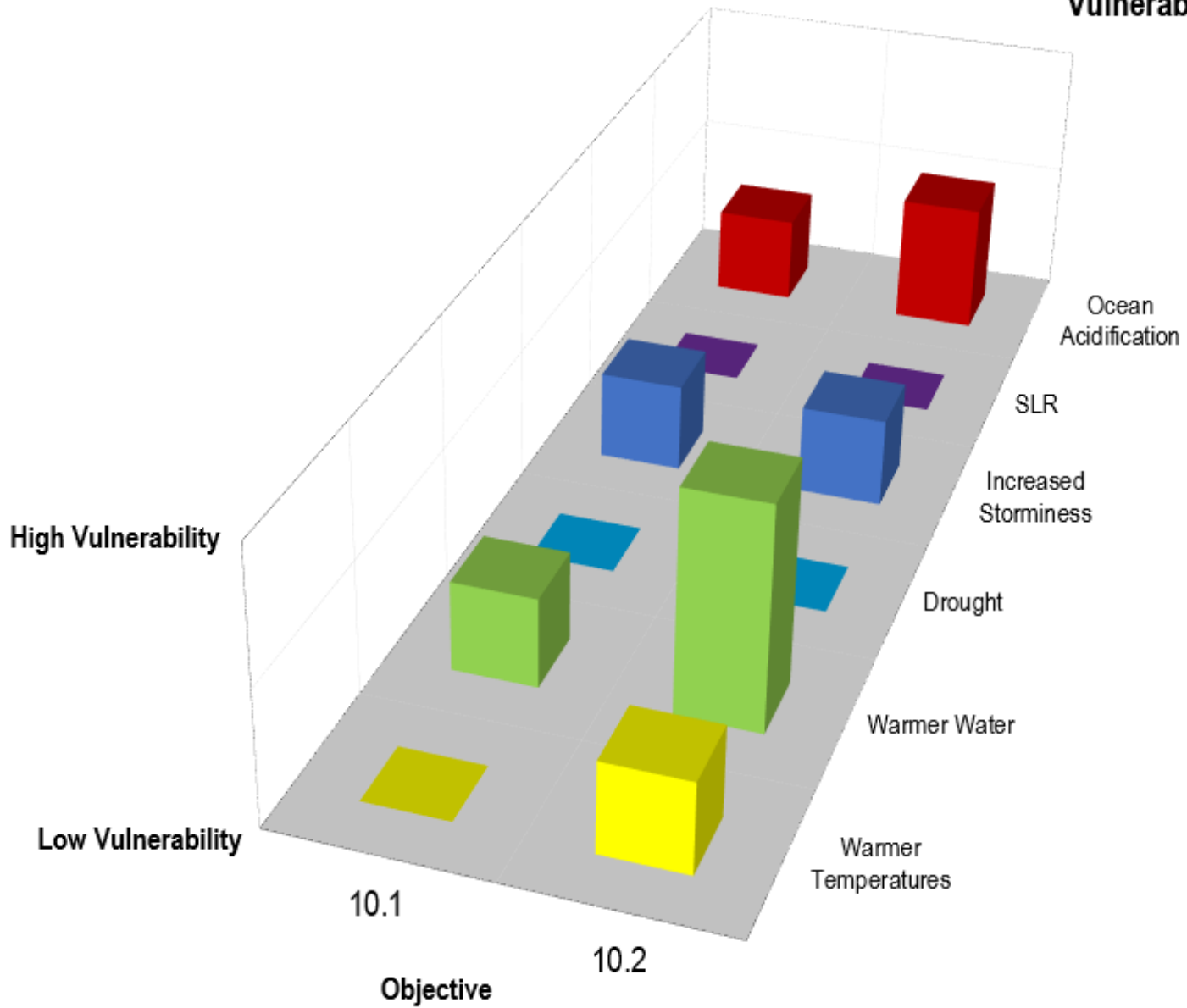
Goal #10 - Protect and restore open ocean and deep water habitats

Vulnerability (Current)



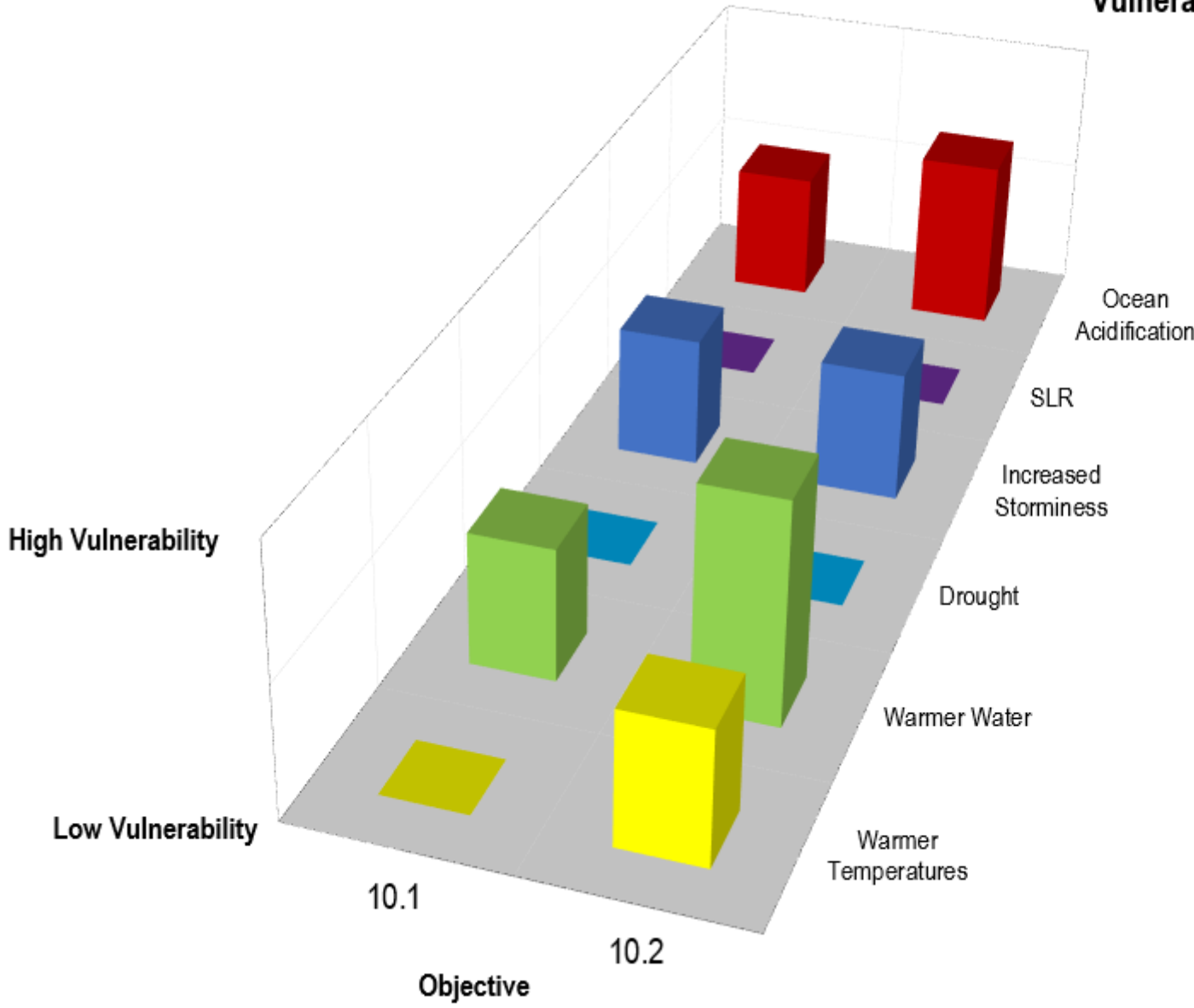
Goal #10 - Protect and restore open ocean and deep water habitats

Vulnerability (2050)



Goal #10 - Protect and restore open ocean and deep water habitats

Vulnerability (2100)



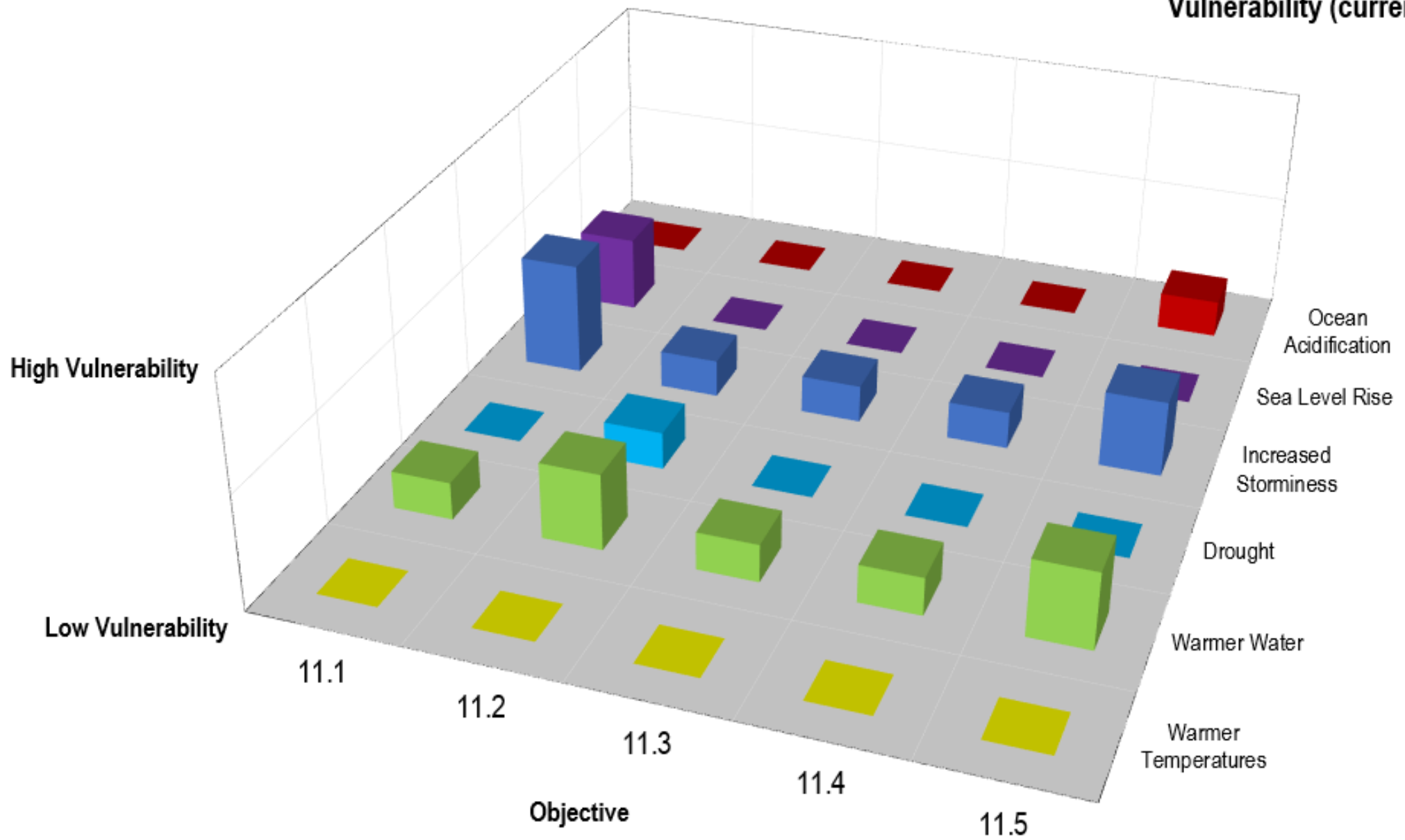
Goal #11 – Protect public health

Objectives

- 11.1 – Achieve minimum beach closures and postings at Santa Monica Bay beaches
- 11.2 – Develop and adopt new pathogen indicators and source identification tools
- 11.3 – Update seafood consumption and advisories and risk communication messages
- 11.4 – Maintain and enhance institutional control measures (enforcement, monitoring, and education) through coordination with partner agencies to reduce the risk of consumption of contaminated fish in high risk ethnic communities
- 11.5 – Remediate contaminated sediments

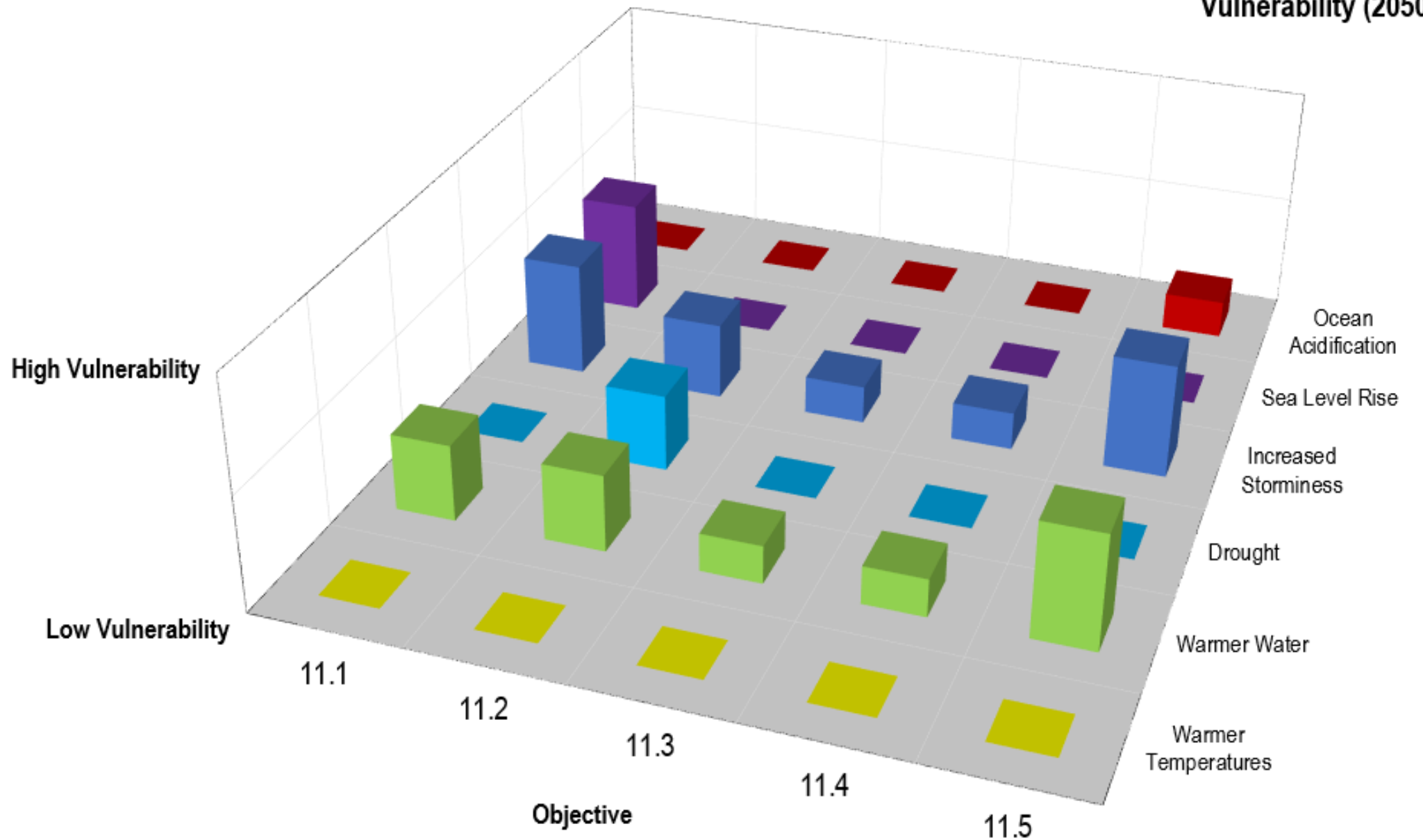
Goal #11 - Protect public health

Vulnerability (current)

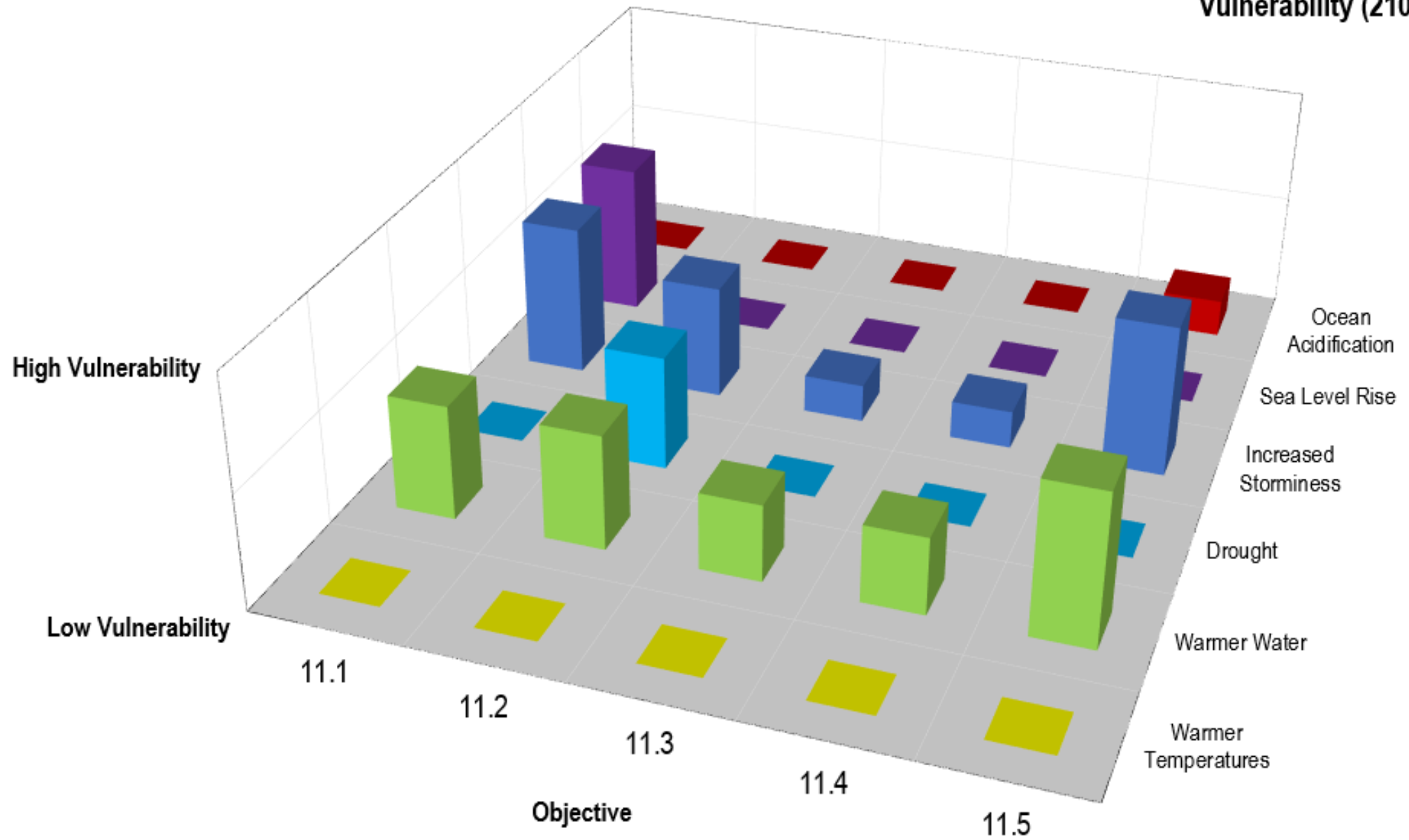


Goal #11 - Protect public health

Vulnerability (2050)



Goal #11 - Protect public health
Vulnerability (2100)



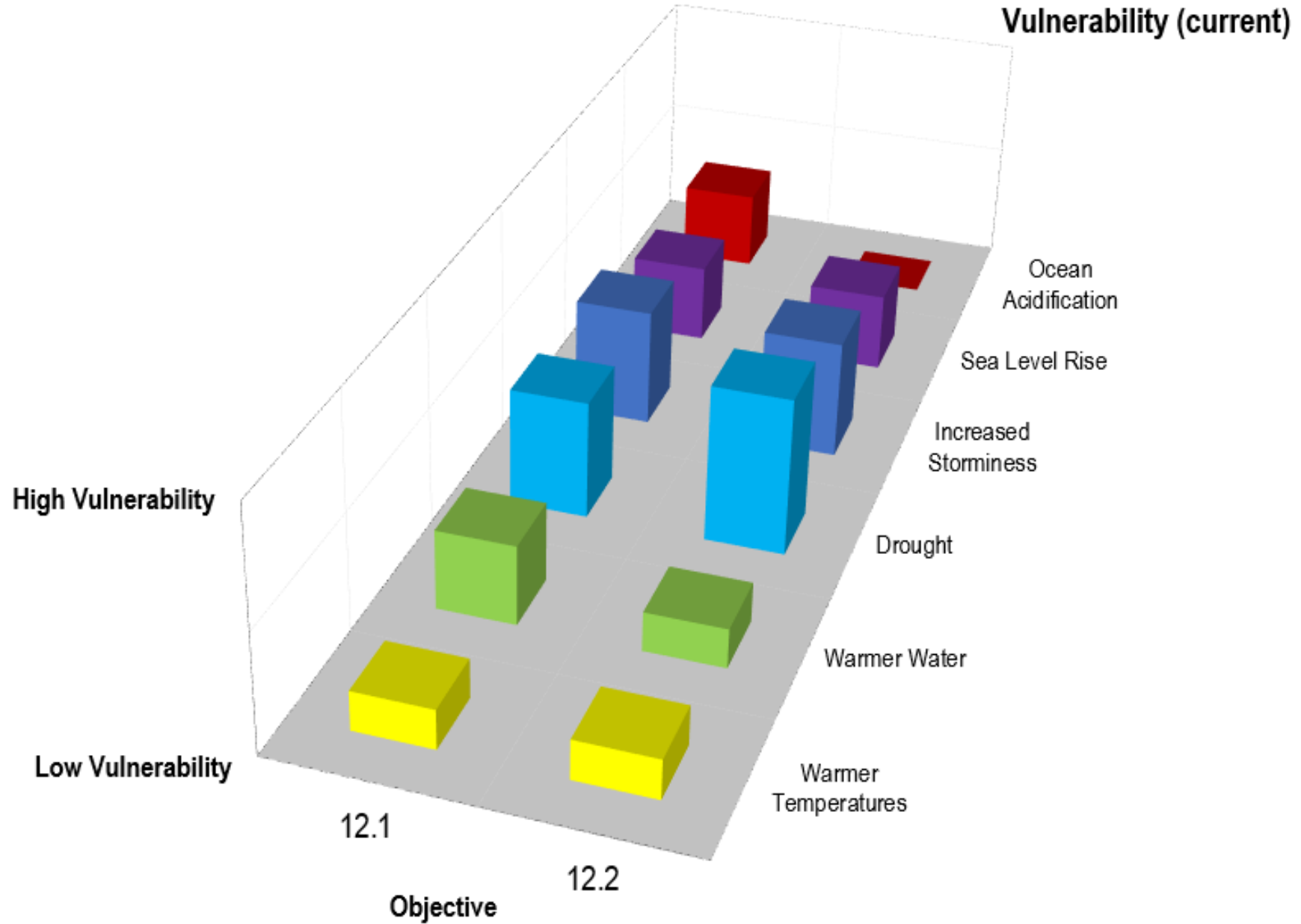
Goal #12 – Maintain/increase natural flood protection through ecologically functioning floodplains and wetlands

Objectives

12.1 – Acquire and restore priority parcels to increase acreage of ecologically functioning floodplains and wetlands

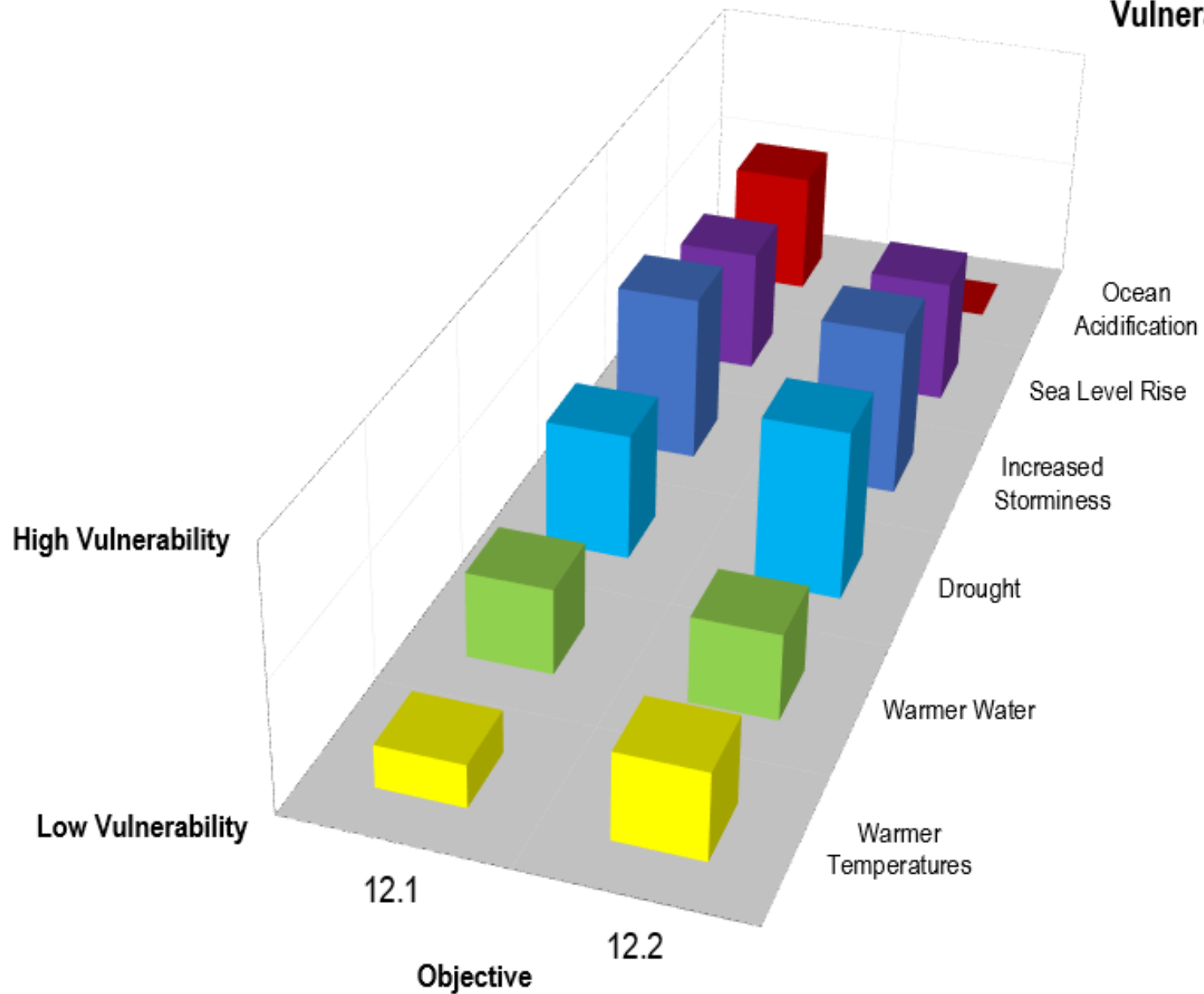
12.2 – Develop and implement a comprehensive regional sediment management plan for restoring natural hydrological functions of river systems

Goal #12 - Maintain/increase natural flood protection through ecologically functioning floodplains and wetlands

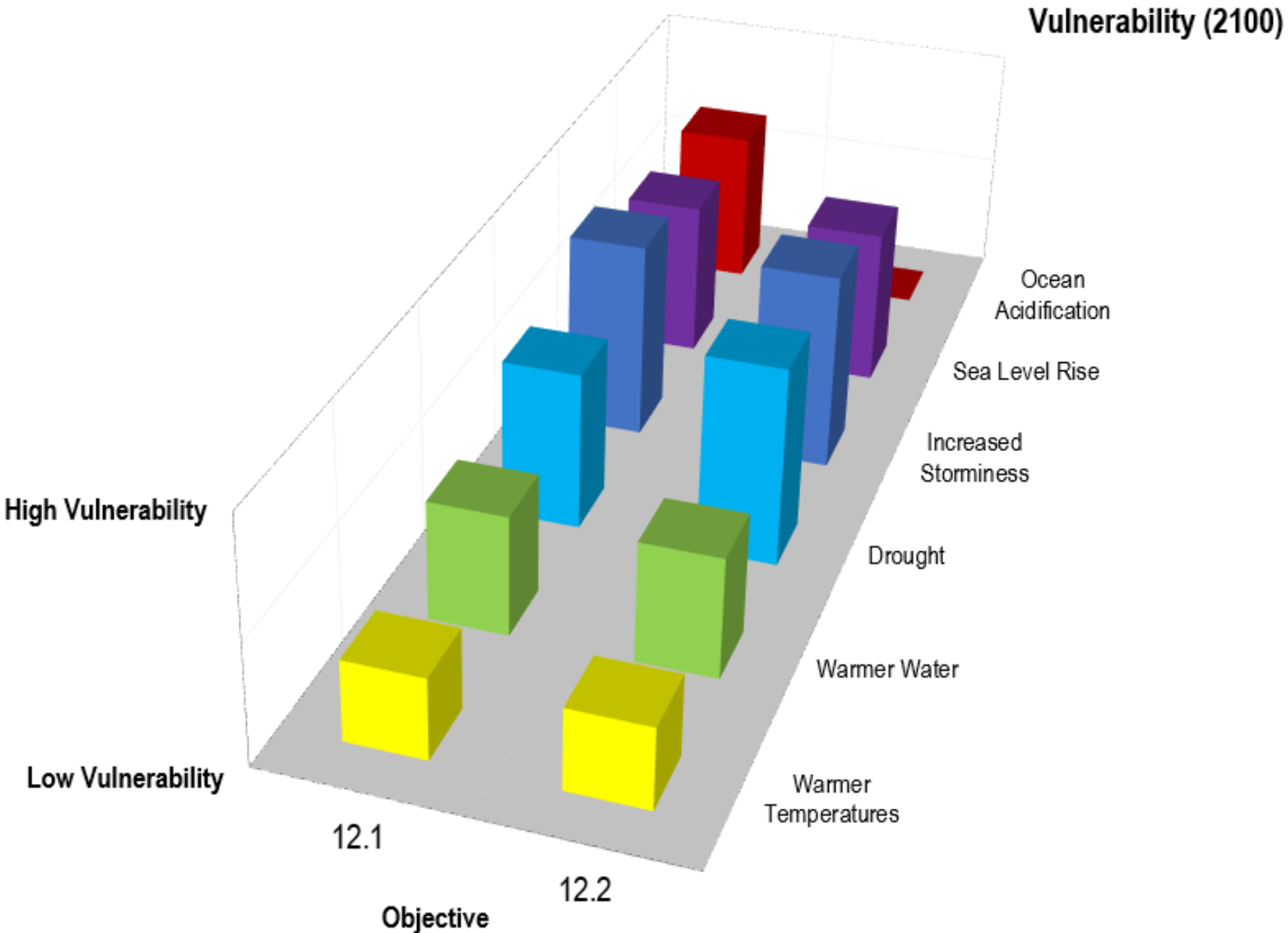


Goal #12 - Maintain/increase natural flood protection through ecologically functioning floodplains and wetlands

Vulnerability (2050)



Goal #12 - Maintain/increase natural flood protection through ecologically functioning floodplains and wetlands



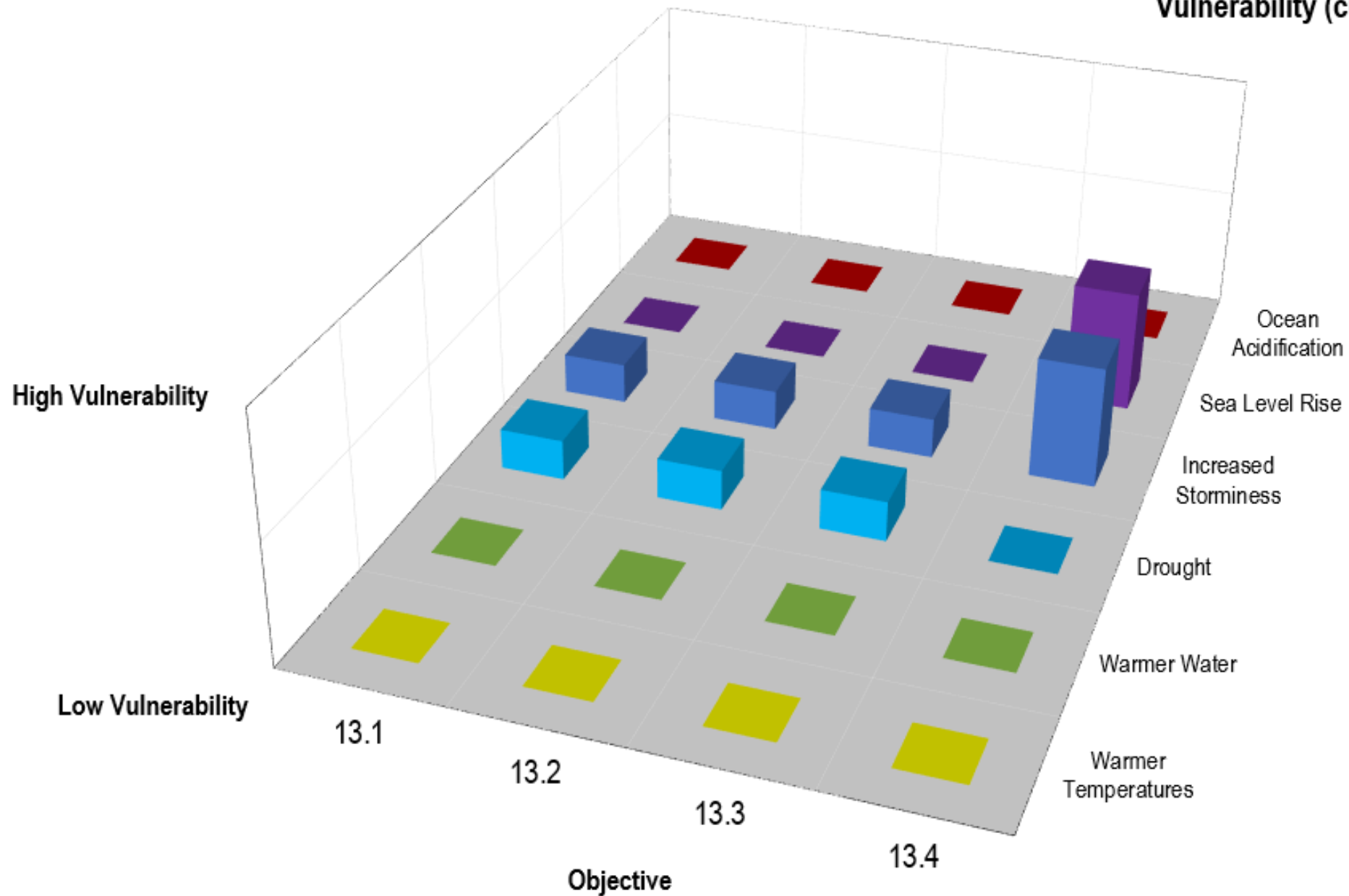
Goal #13 – Increase public access to beaches and open space

Objectives

- 13.1 – Increase public access to the Santa Monica Mountains through purchase and enhancement of open space
- 13.2 – Increase acreage and access to parks and open space in urbanized areas through acquisition and conservation of private parcels
- 13.3 – Increase public access points to Ballona Creek and Wetlands
- 13.4 – Increase public access to Santa Monica Bay beaches

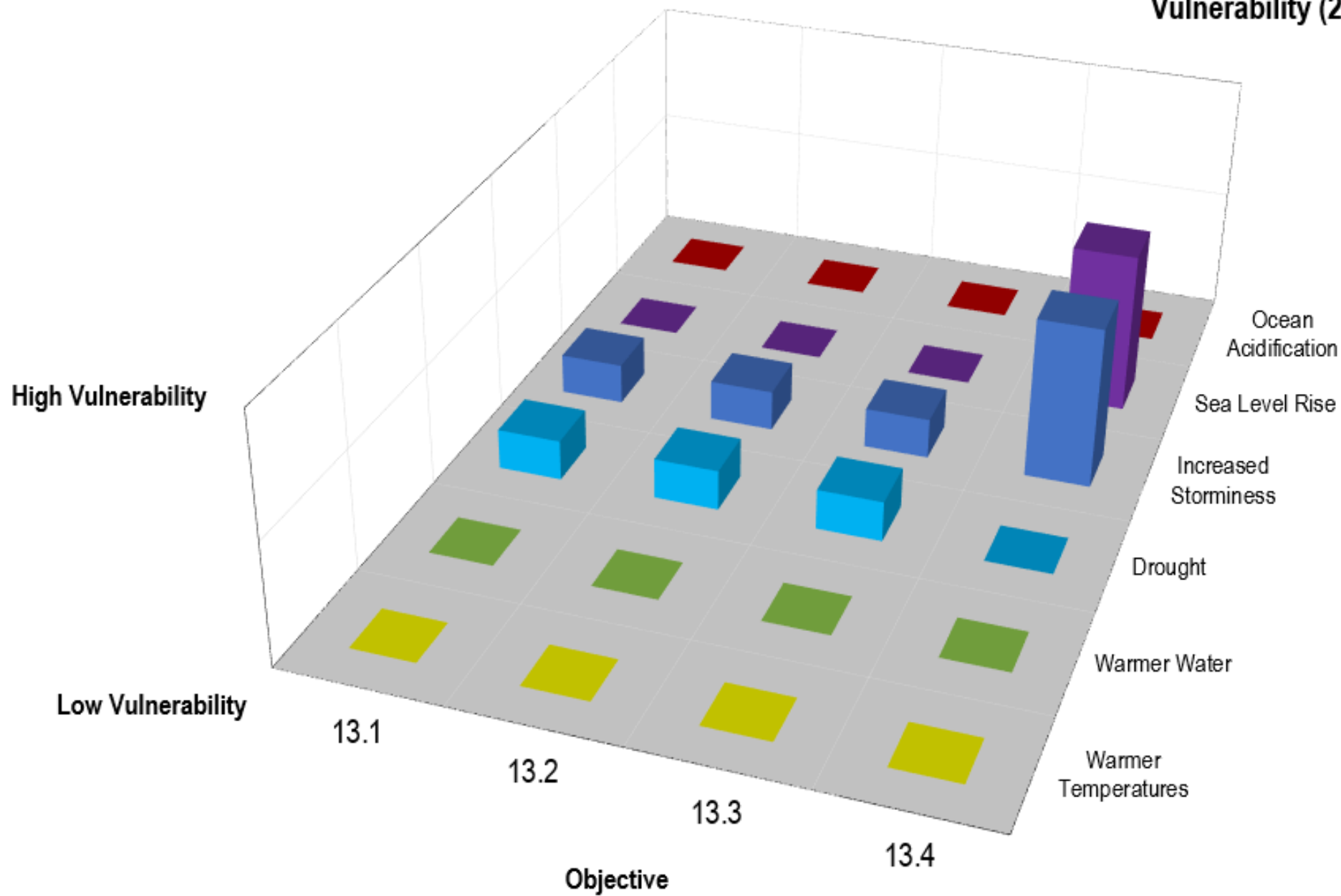
Goal #13 - Increase public access to beaches and open space

Vulnerability (current)



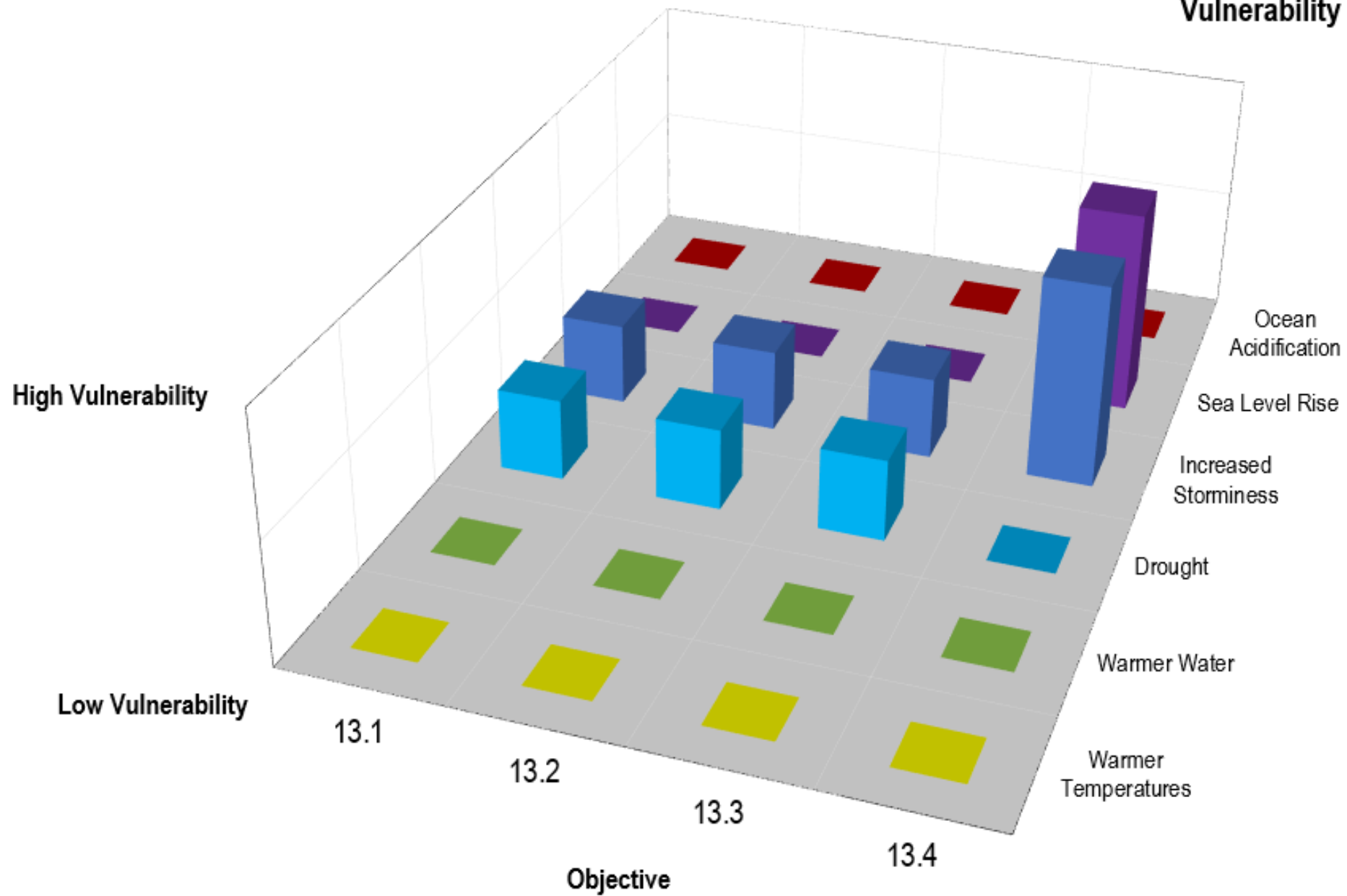
Goal #13 - Increase public access to beaches and open space

Vulnerability (2050)



Goal #13 - Increase public access to beaches and open space

Vulnerability (2100)



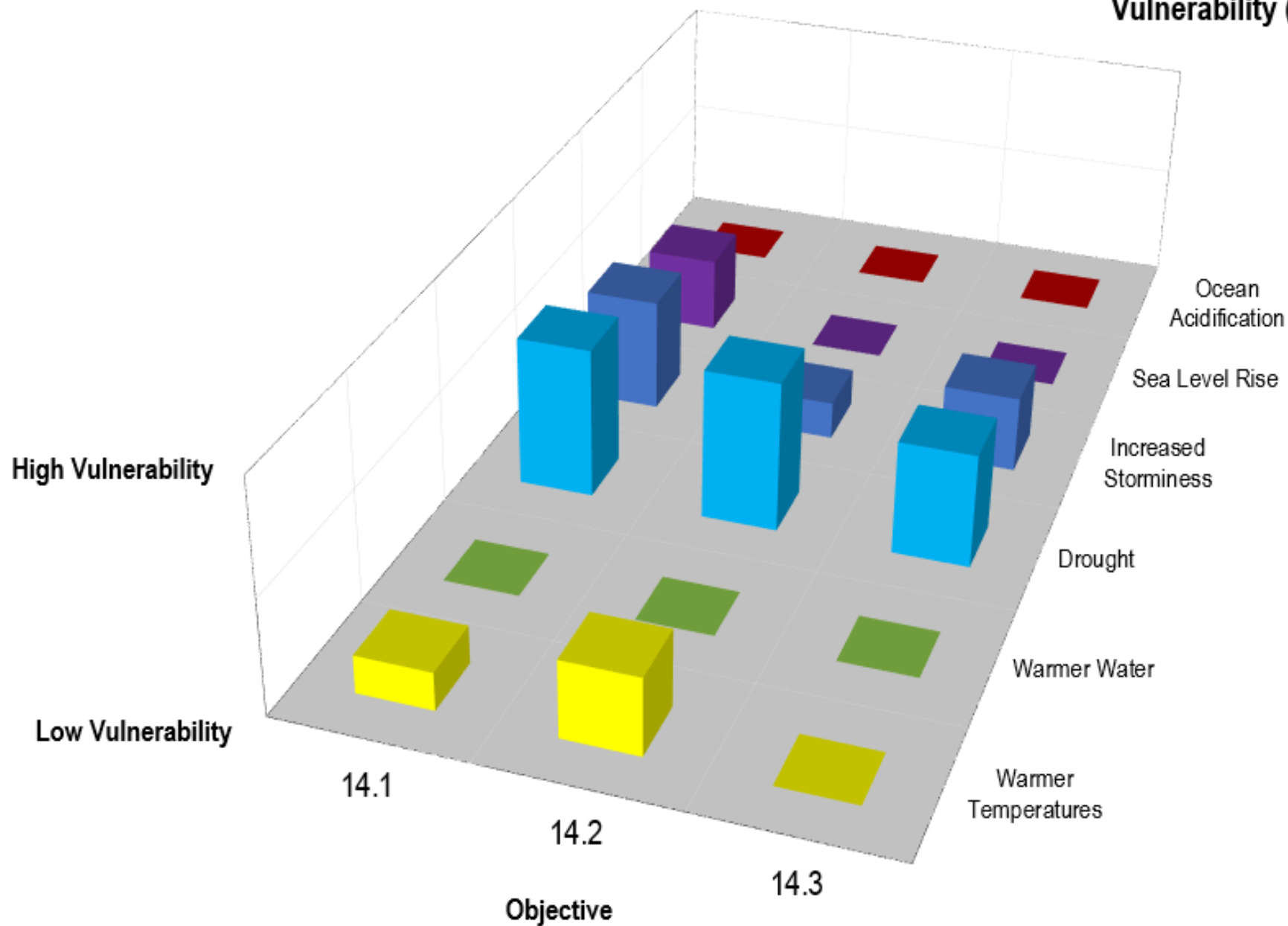
Goal #14 – Conserve water and increase local water supply

Objectives

- 14.1 – Increase local water supplies
- 14.2 – Enhance water conservation
- 14.3 – Further increase wastewater recycling and reuse

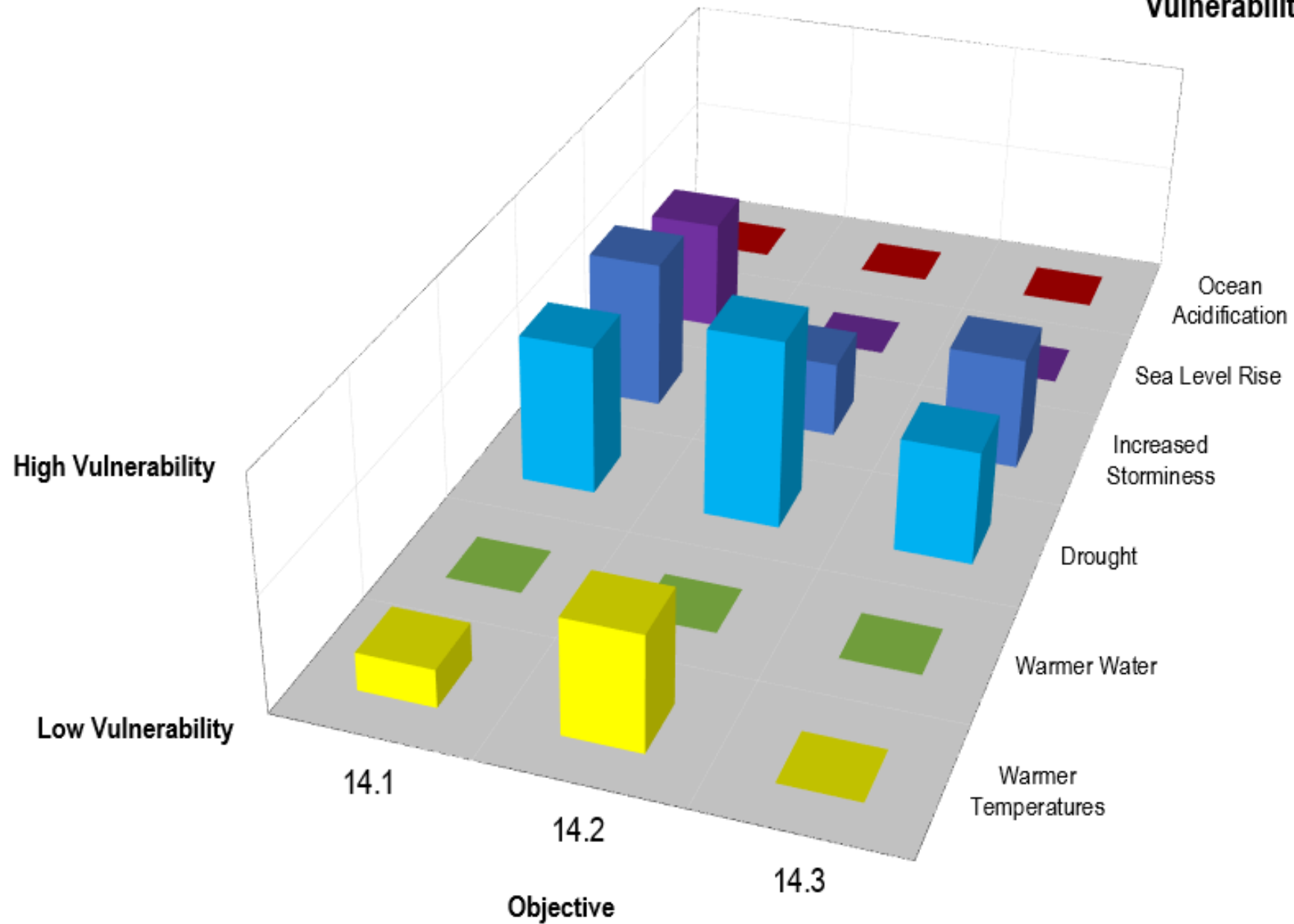
Goal #14 - Conserve water and increase local water supply

Vulnerability (current)



Goal #14 - Conserve water and increase local water supply

Vulnerability (2050)



Goal #14 - Conserve water and increase local water supply

Vulnerability (2100)

