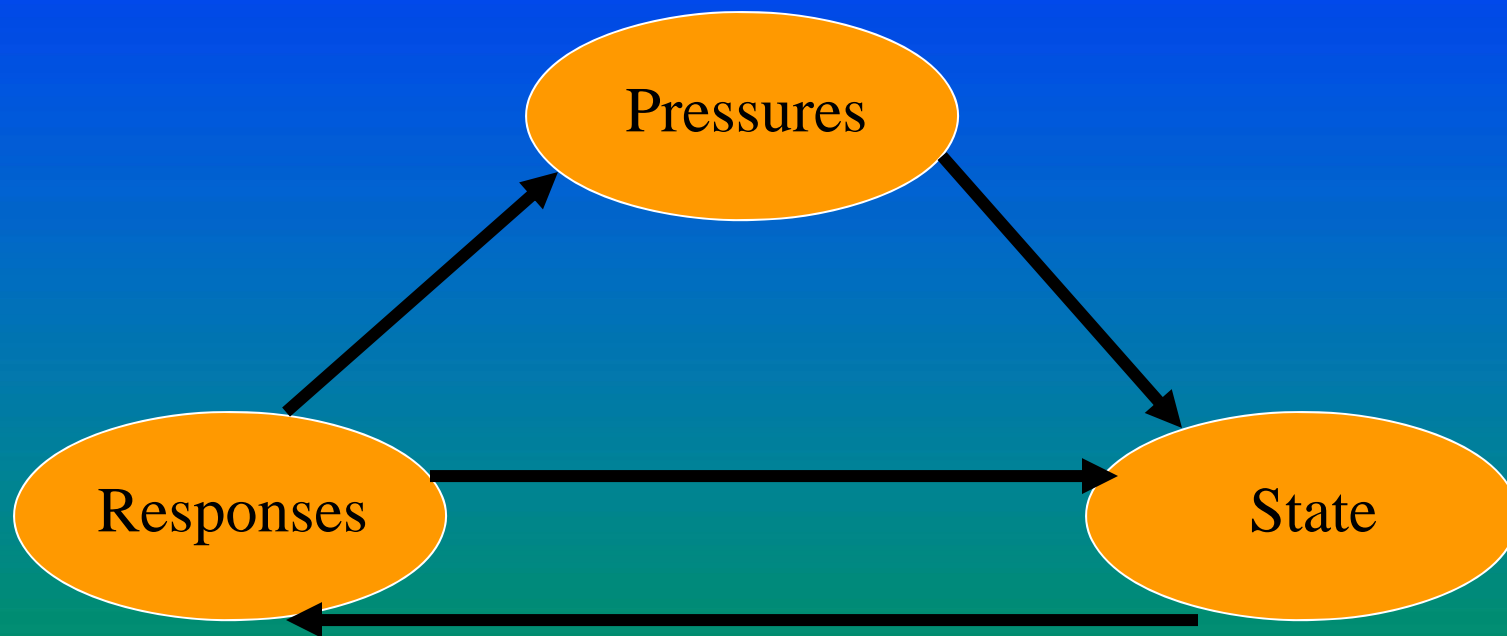


# New Zealanders' Perceptions of the State of Marine Fisheries and their Management

Ken Hughey, Geoff Kerr, Ross Cullen

# PSR model (after MFE, 1997)



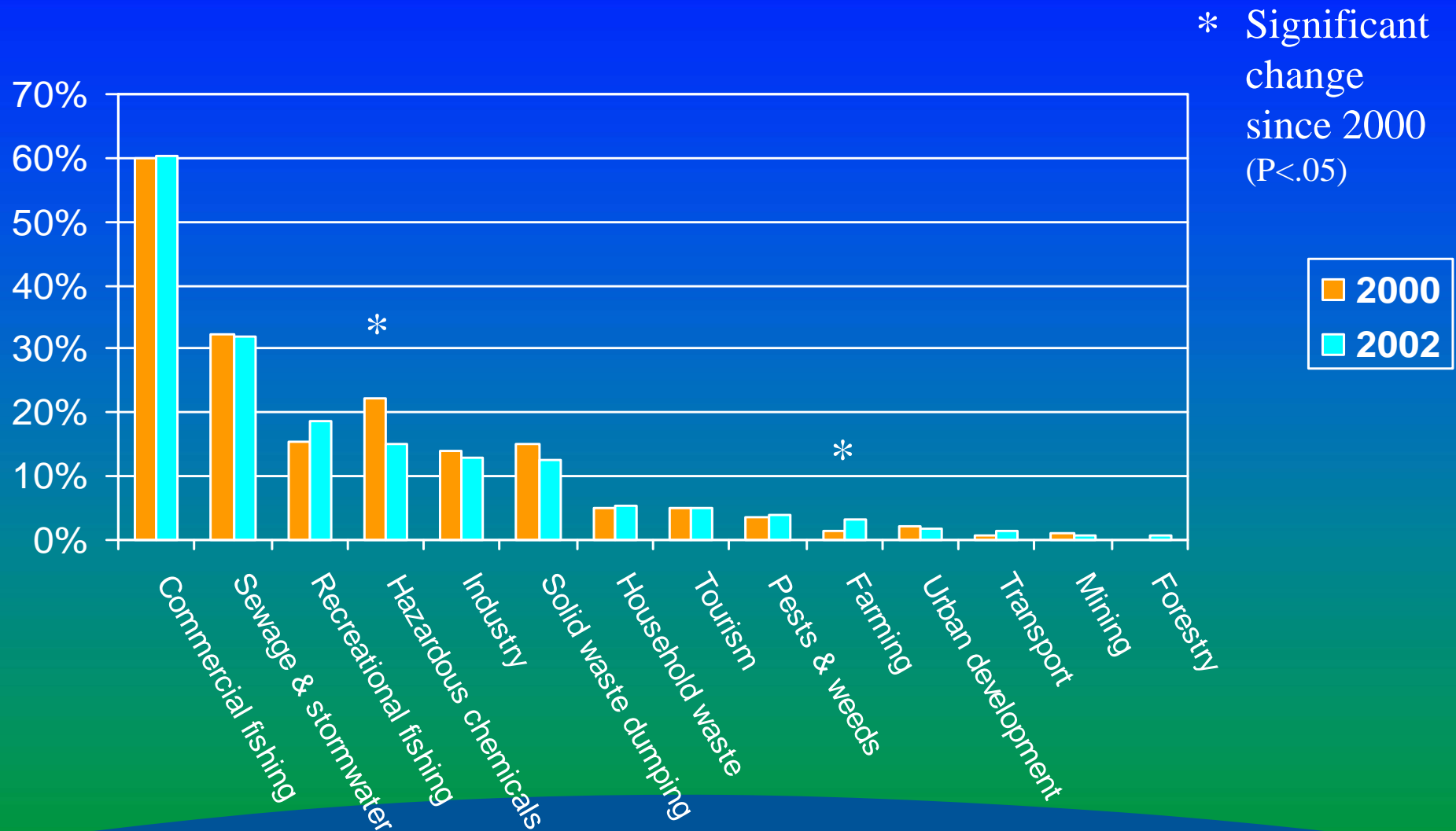
## Method

- Postal survey
- Randomly selected NZ adults
  - Electoral roll
- $N_{2000} = 894$  (48% response rate)
- $N_{2002} = 836$  (45% response rate)
- Elderly and females over-represented
- 2002: focus on marine environment

# Results

- Pressures on the marine environment
  - Causes of damage

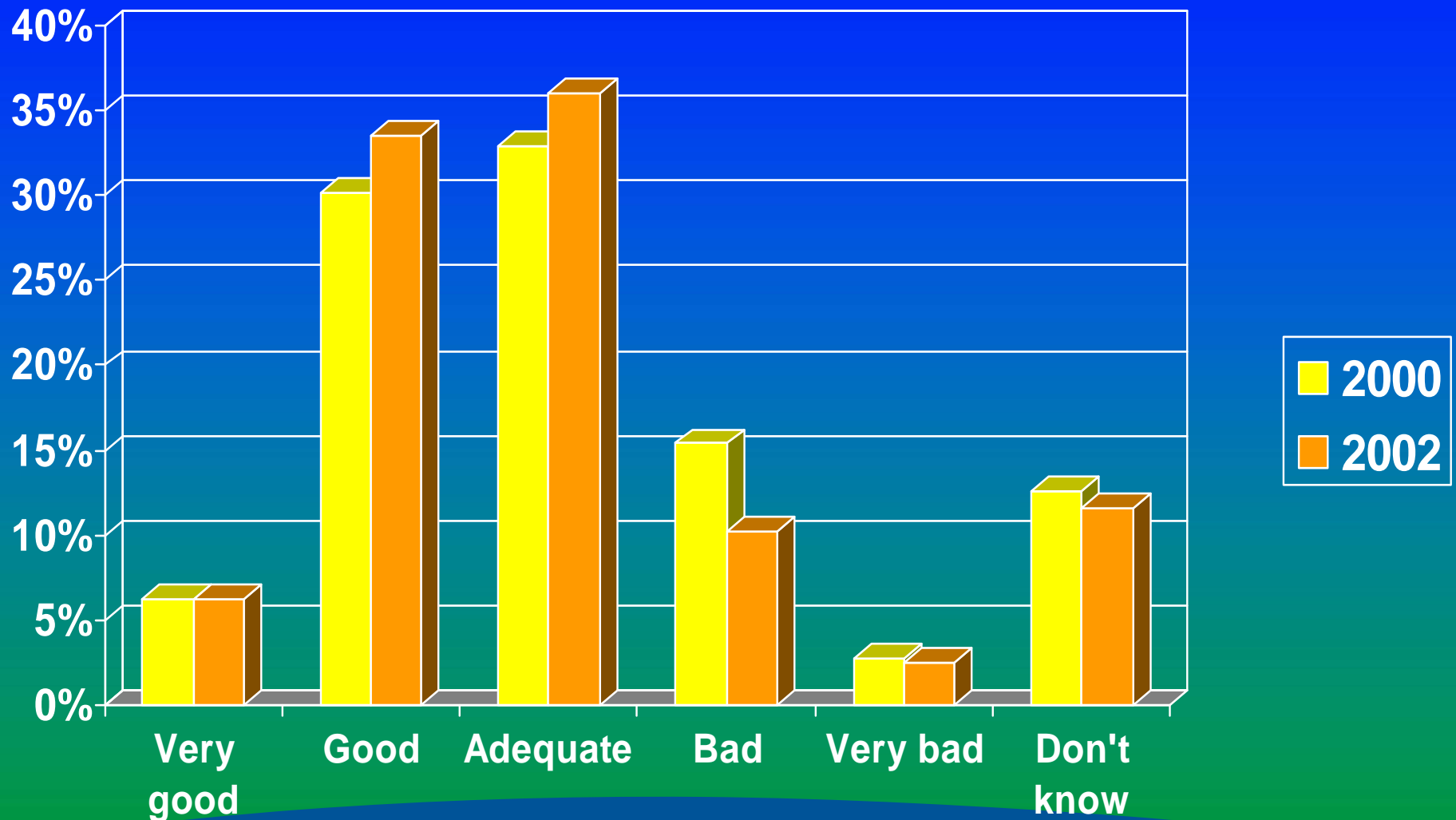
# Main causes of damage to marine fisheries



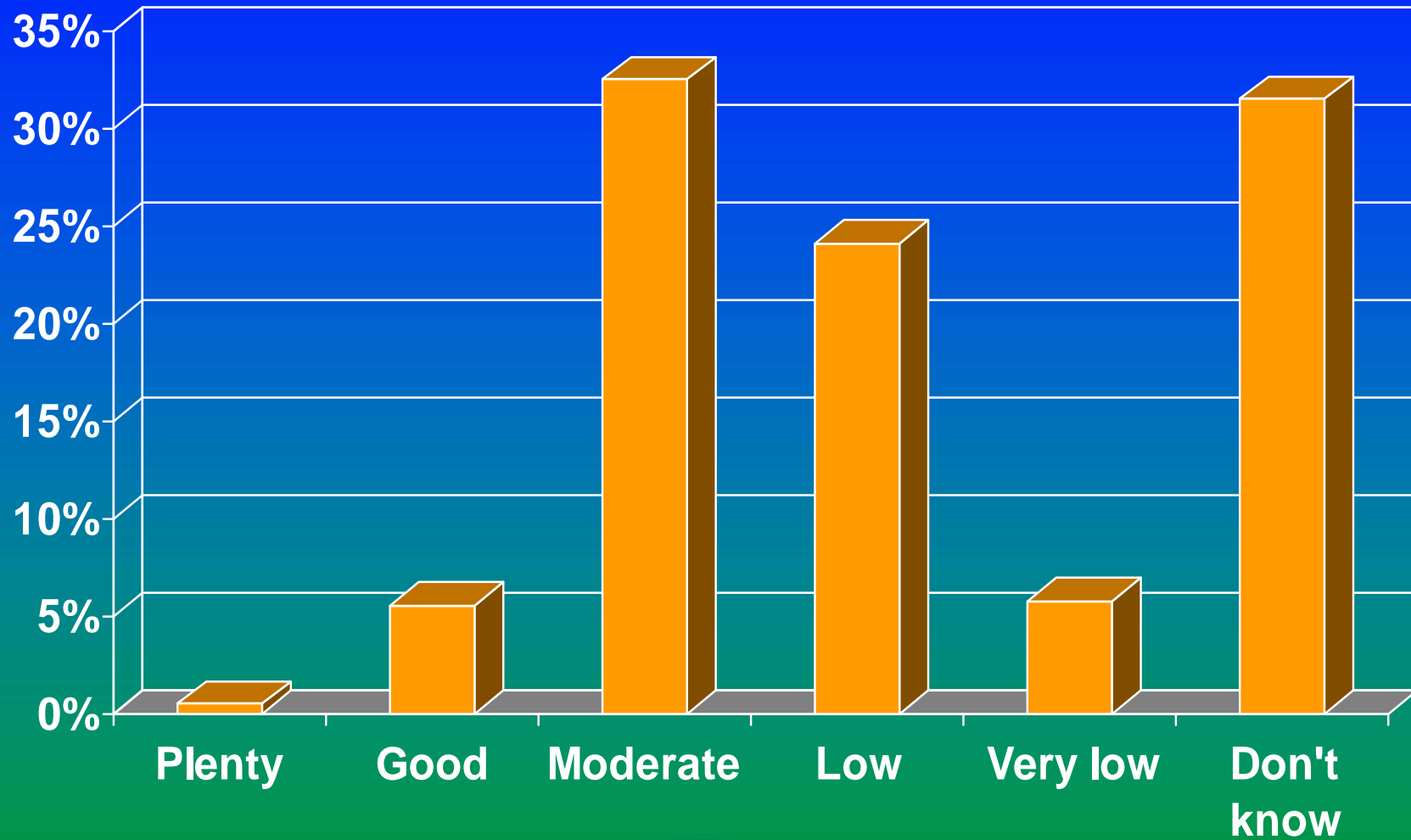
# Results

- State of the marine environment
  - Condition of marine fisheries
  - Quantity of marine fisheries
  - Area of marine reserves
  - Catch rates
  - Fish abundance

# Condition of marine fisheries

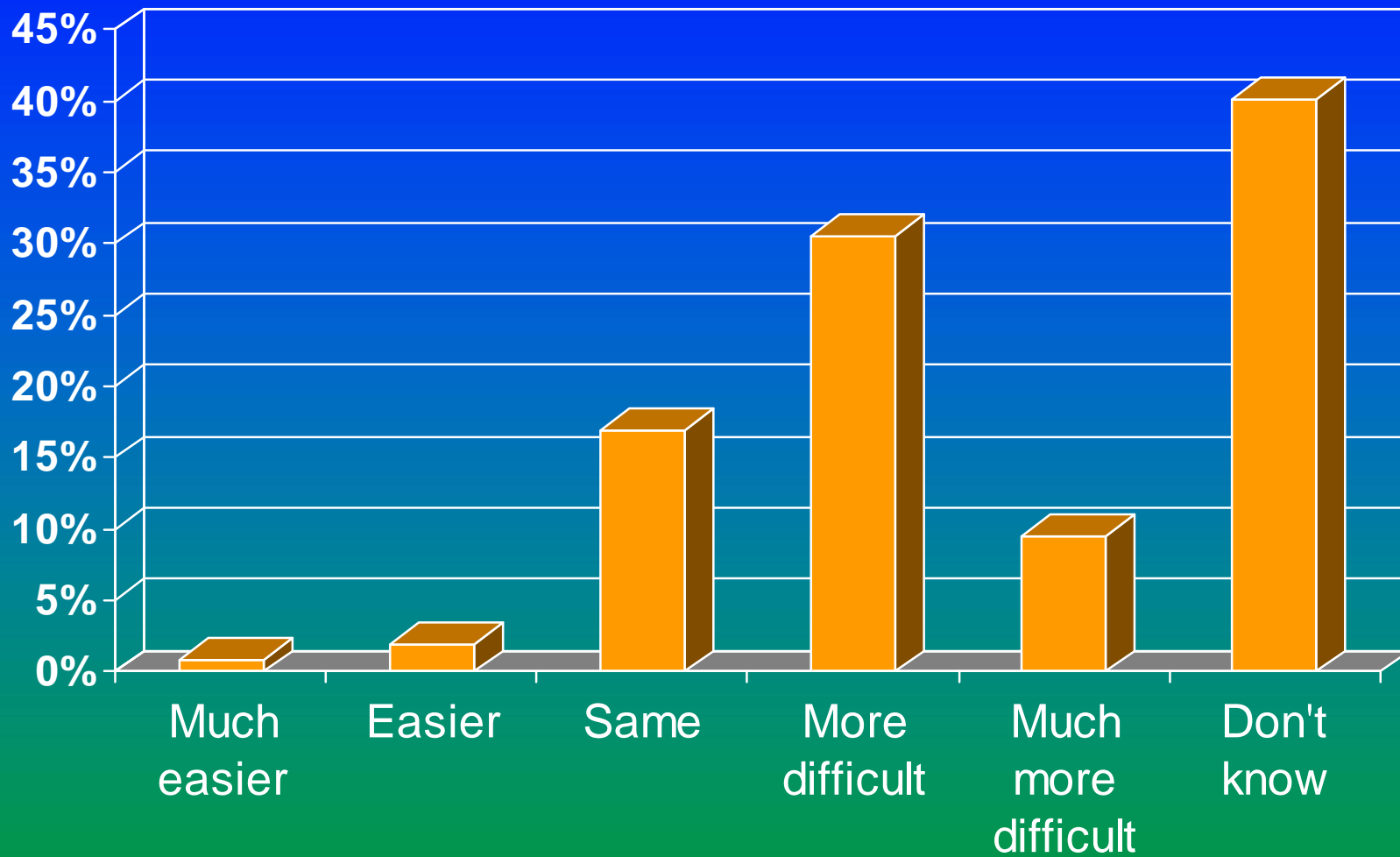


# Fish abundance





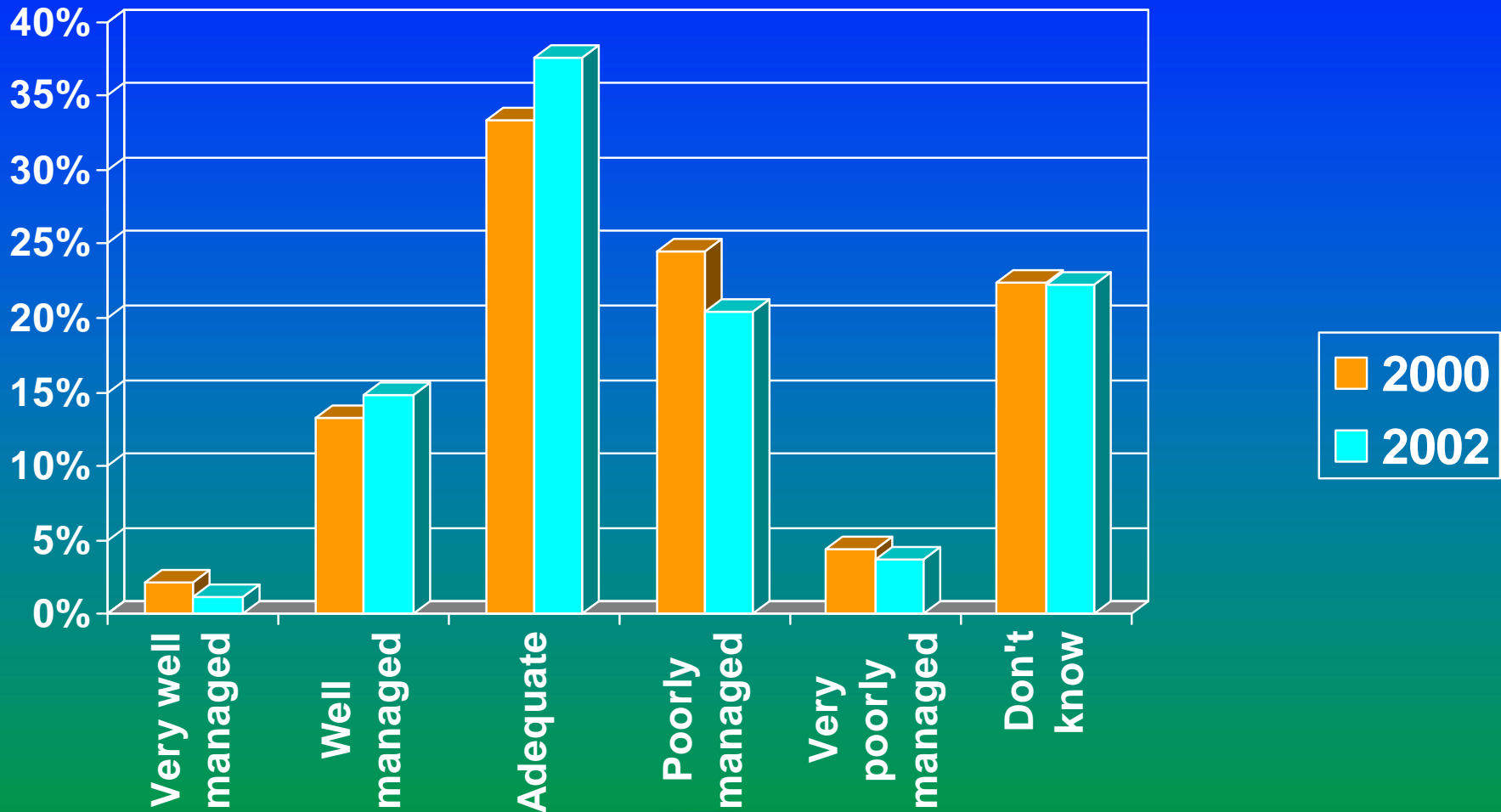
# Change in recreational catchability over 5 years



# Results

- Responses
  - Management of marine fisheries
  - Management of marine reserves
  - Government spending

# Quality of marine fisheries management



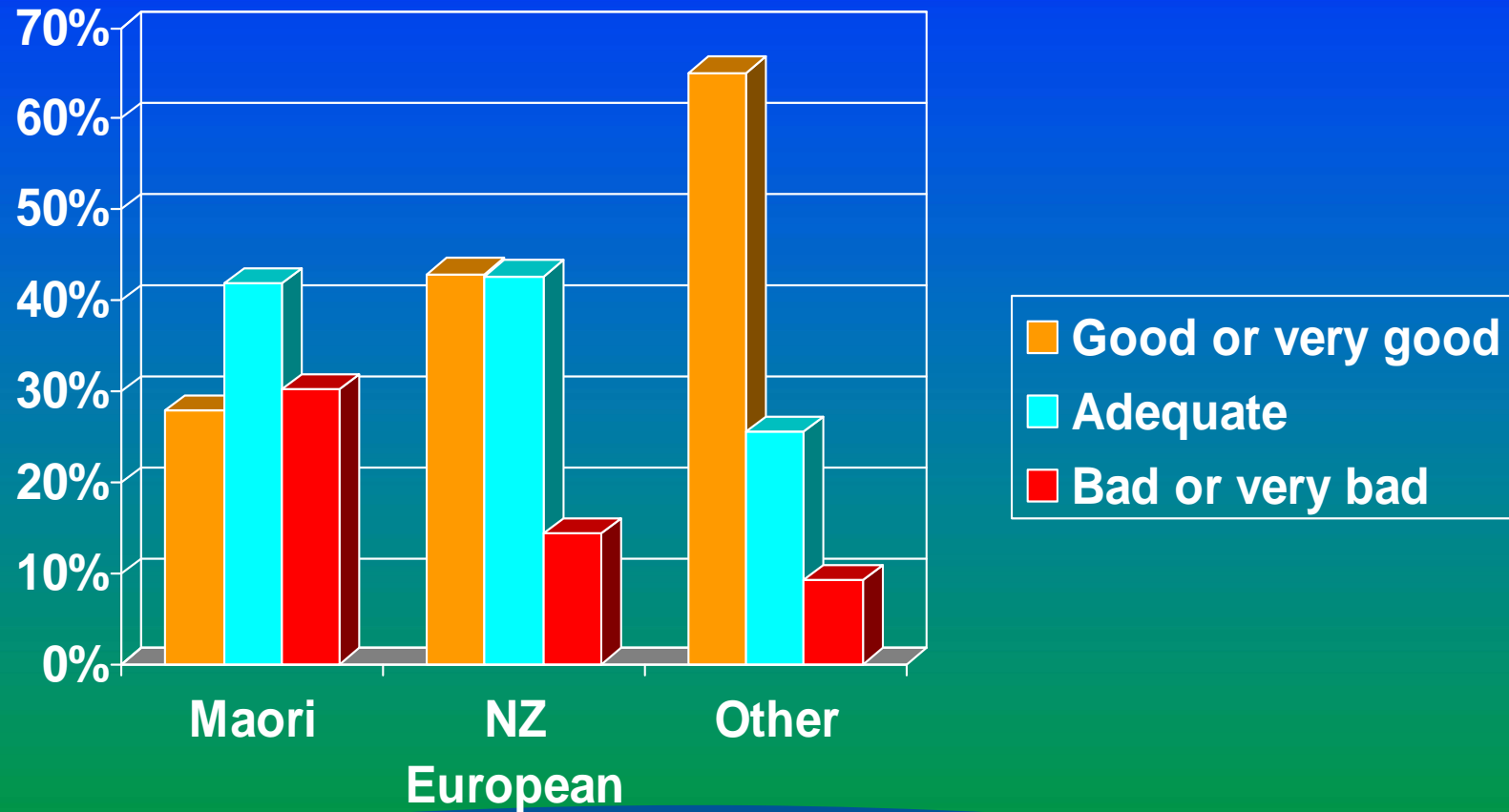
# Preferred government spending on marine fisheries



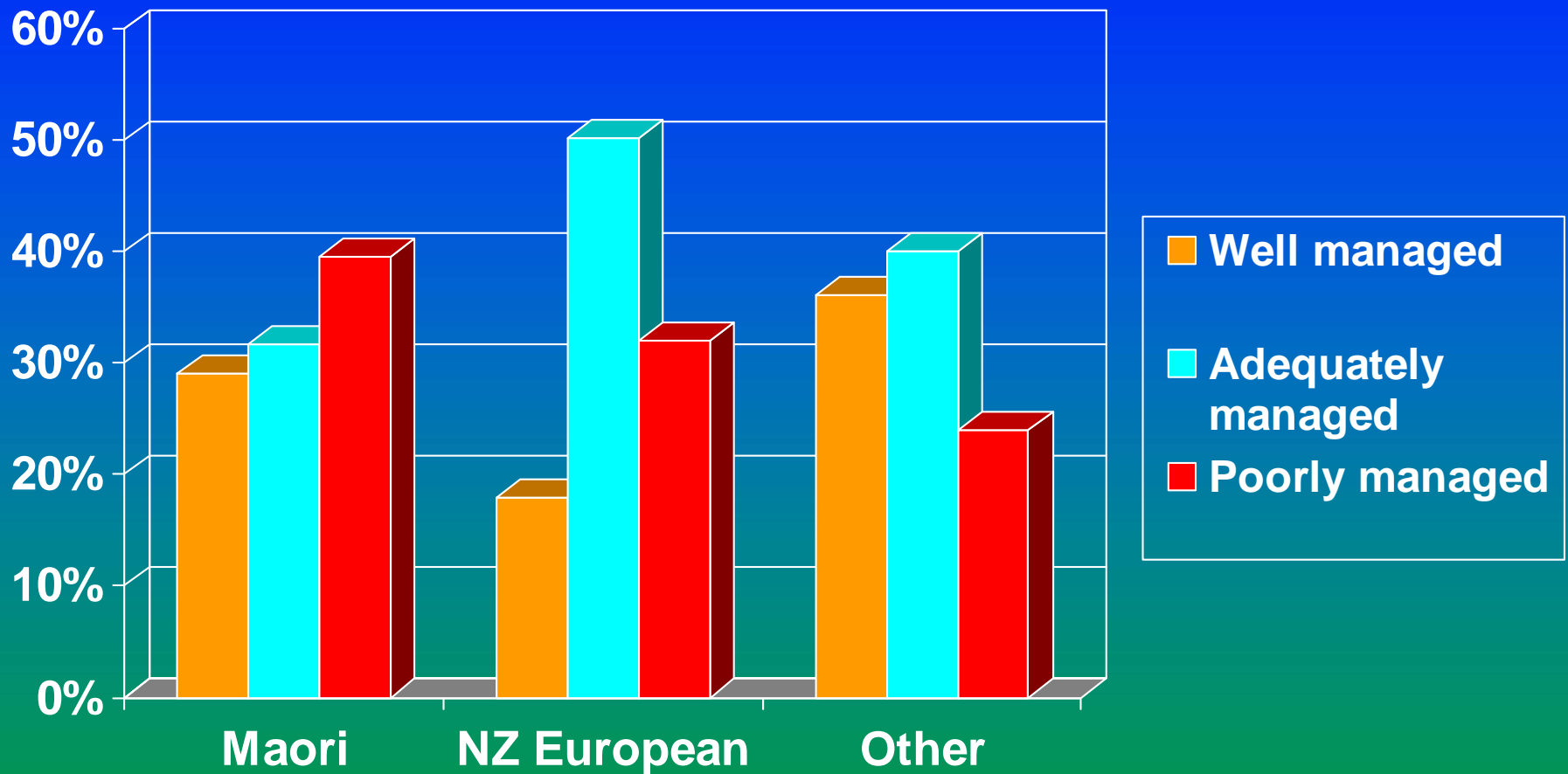
# Pressures & responses: ethnicity

- Differences in
  - Recreational fishing participation
    - Maori 36%, NZ European 35%, Others 23%
  - Perceived condition of the fishery
  - Perceived quantity of marine fisheries
  - Evaluations of management
  - Preferred government spending on marine fisheries

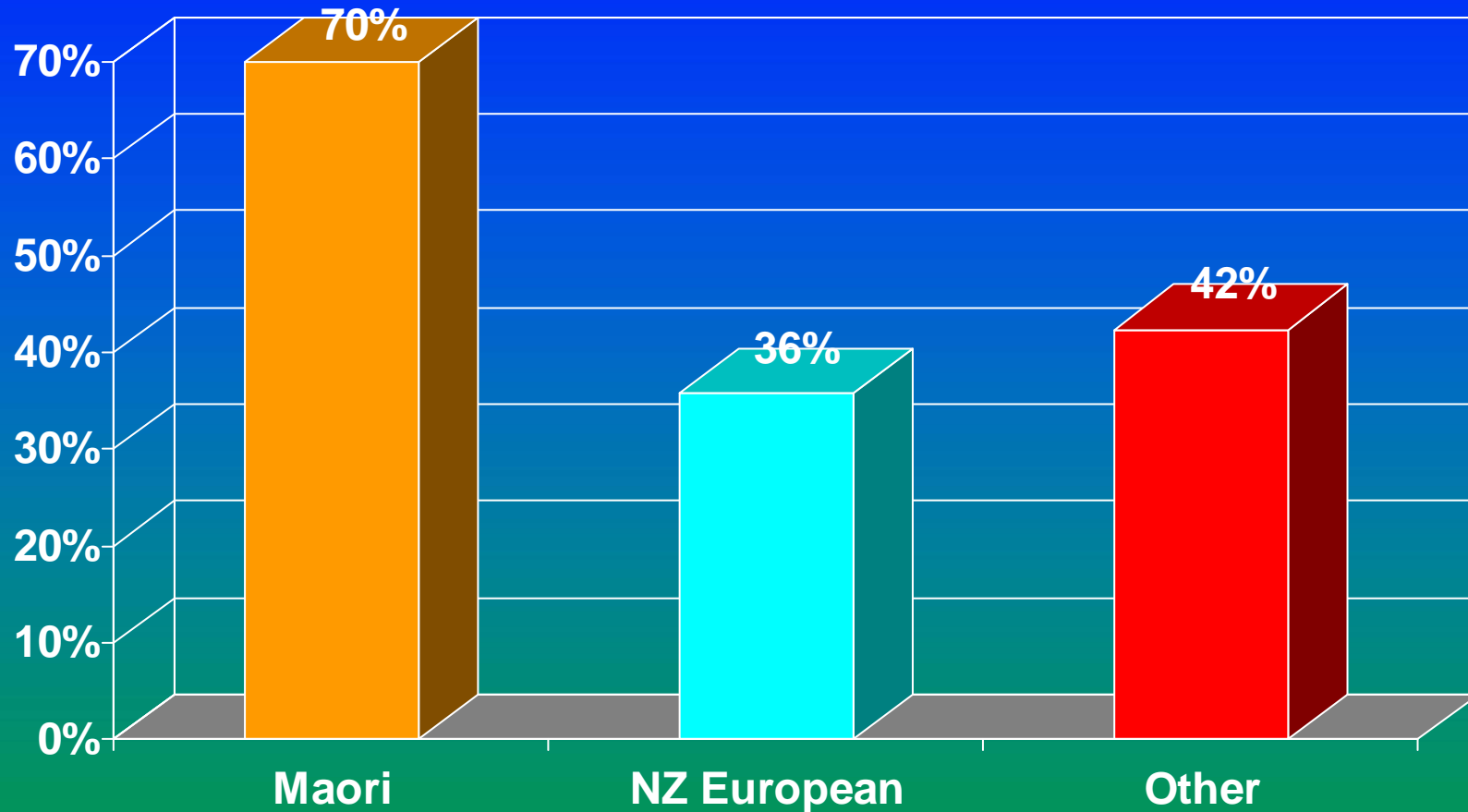
# Condition of marine fisheries



# Management of marine fisheries



## Government should spend more on marine fisheries





# Conclusions

- Perceptions and politics
- Perceptions and science
- Mixed messages
- Ethnic differences signal potential issues