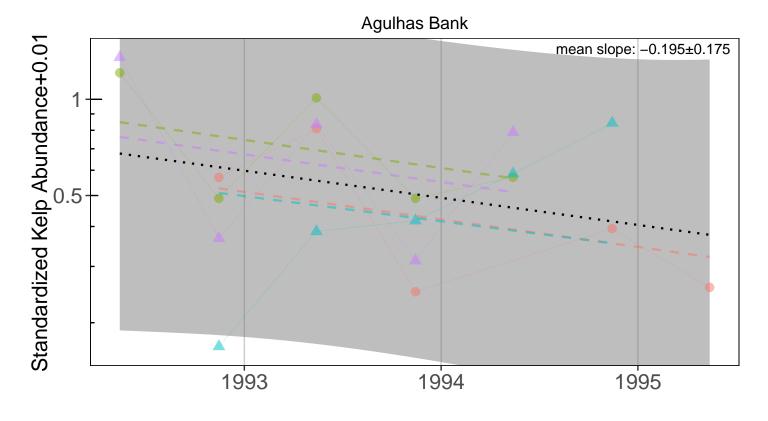


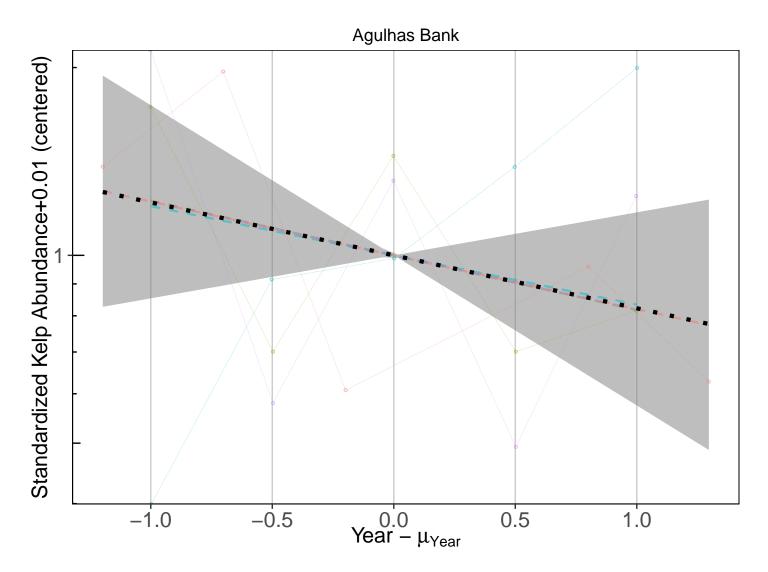
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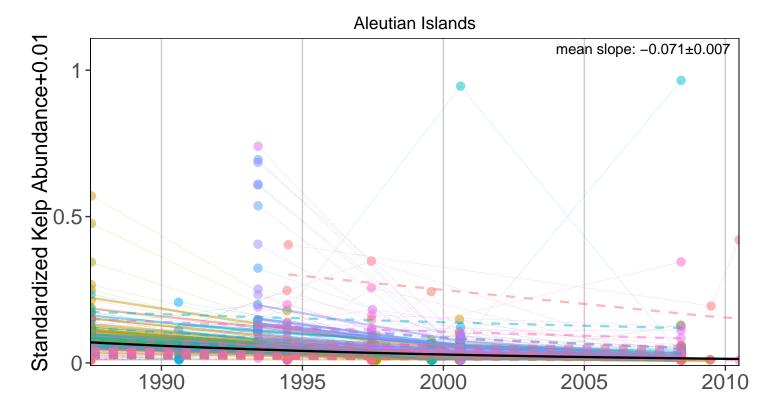
Levitt\_etal\_2002 
SA\_Gansbaai\_kelp\_data



Study

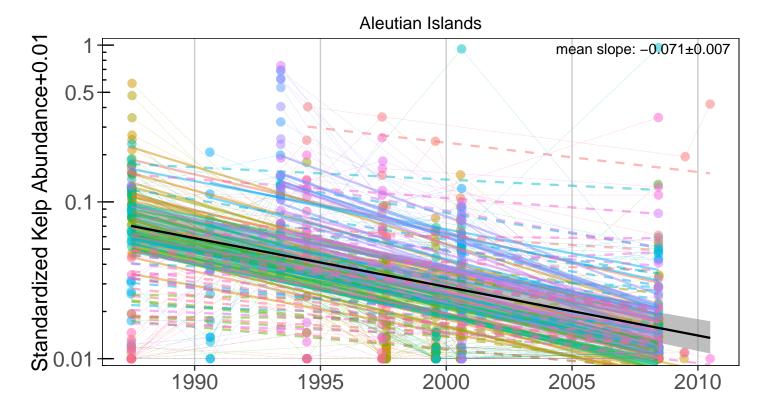
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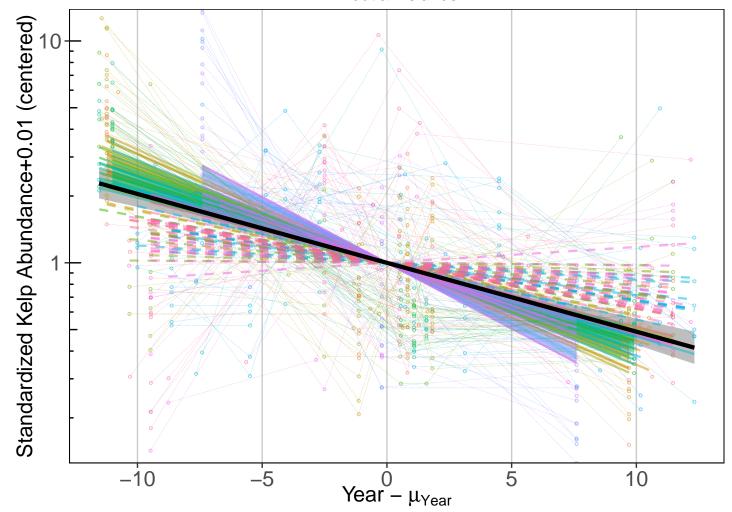
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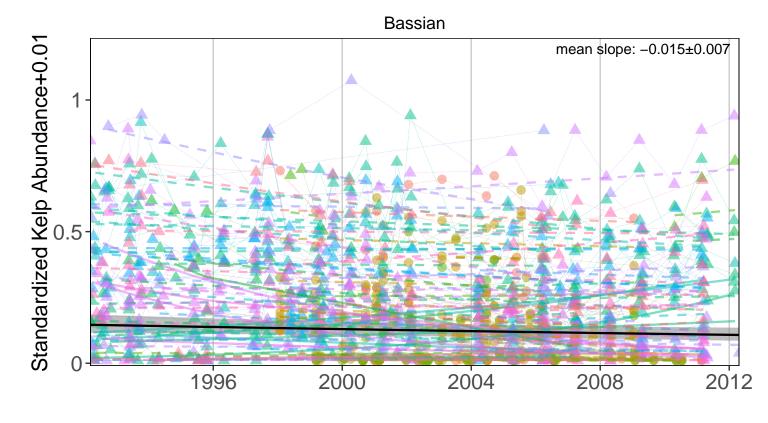
Estes\_NPRB



Study
• Estes\_NPRB



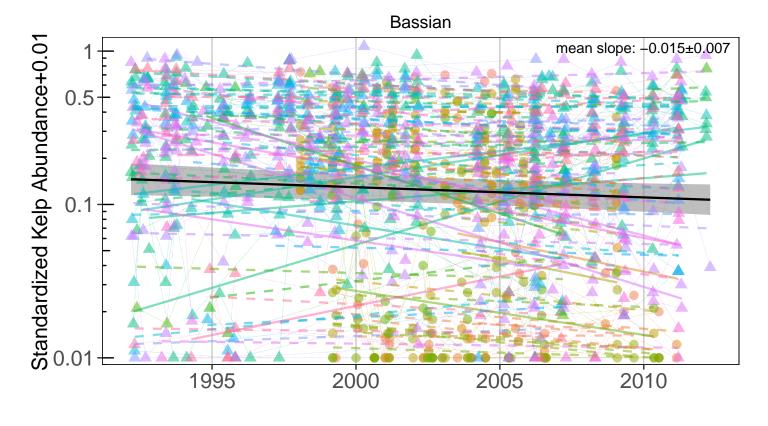




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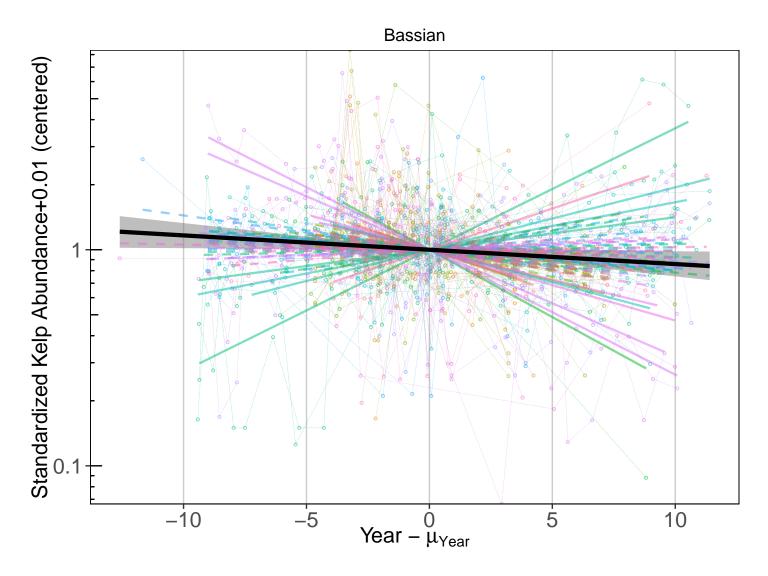
• KelpCover\_Australia\_Victoria 

KelpCover\_Temperate\_Australia

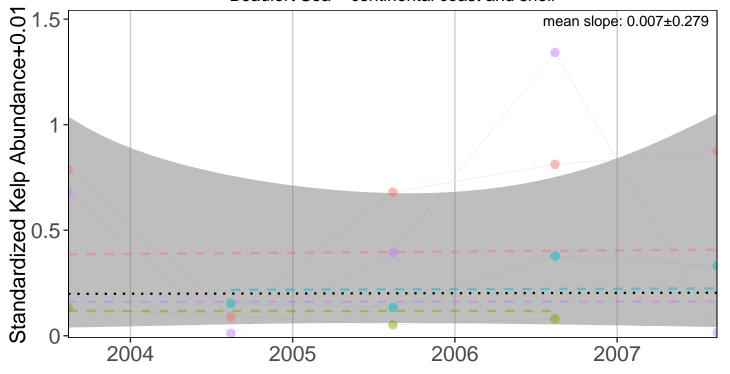


Study

• KelpCover\_Australia\_Victoria • KelpCover\_Temperate\_Australia

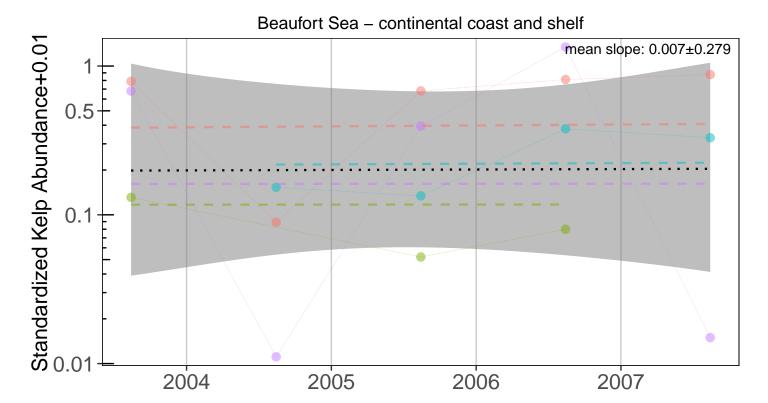


#### Beaufort Sea - continental coast and shelf



Study

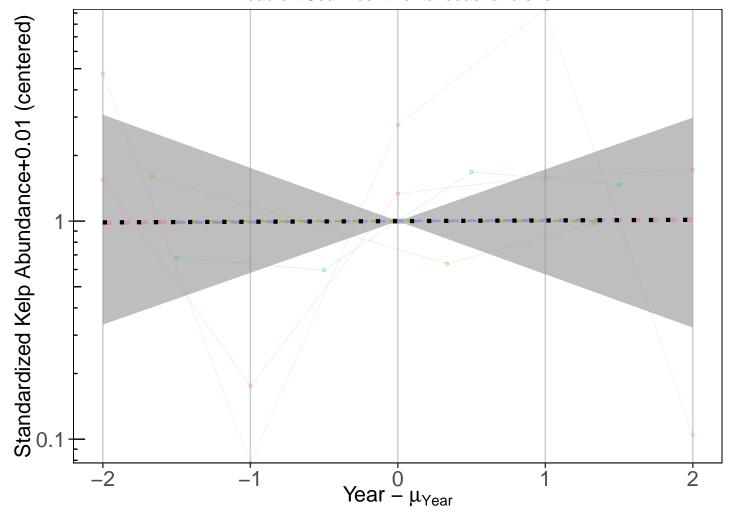
Konar\_Beaufort\_Sea

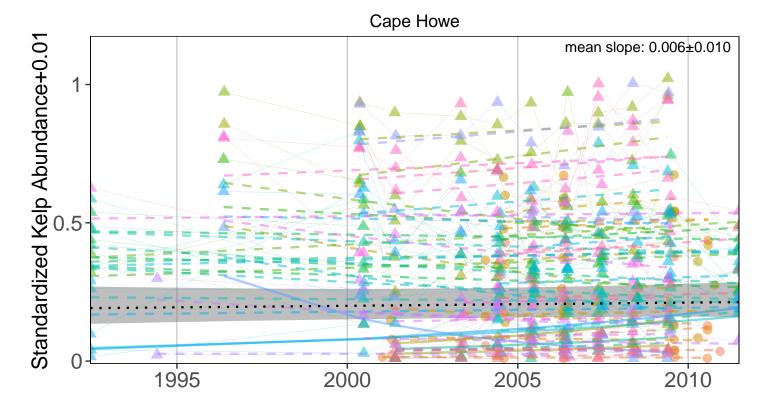


Study

Konar\_Beaufort\_Sea

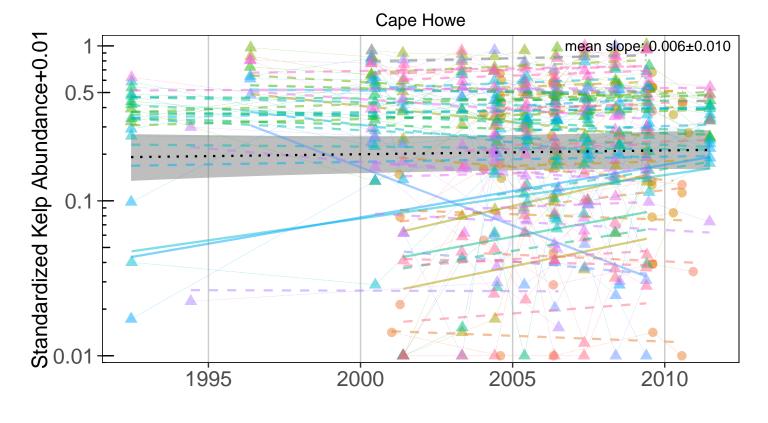
Beaufort Sea - continental coast and shelf





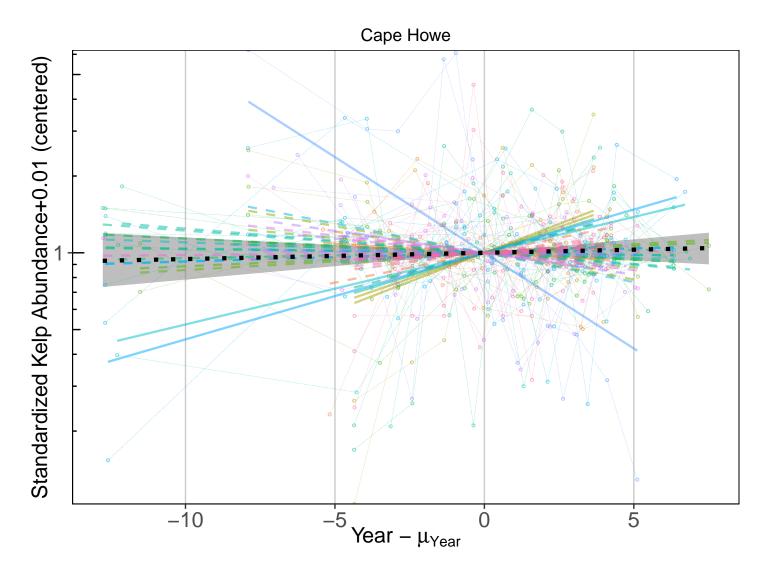
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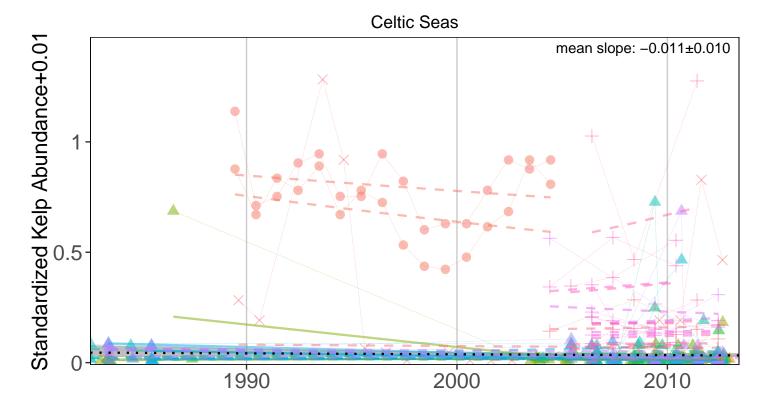
• KelpCover\_Australia\_Victoria • KelpCover\_Temperate\_Australia



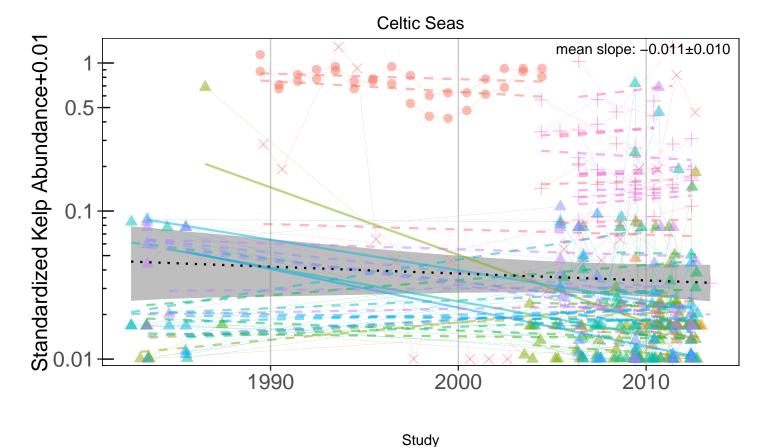
Study

• KelpCover\_Australia\_Victoria • KelpCover\_Temperate\_Australia

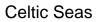


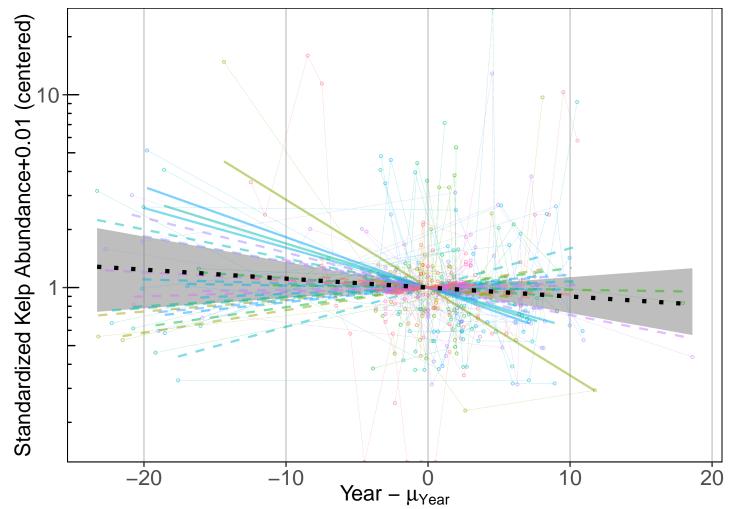


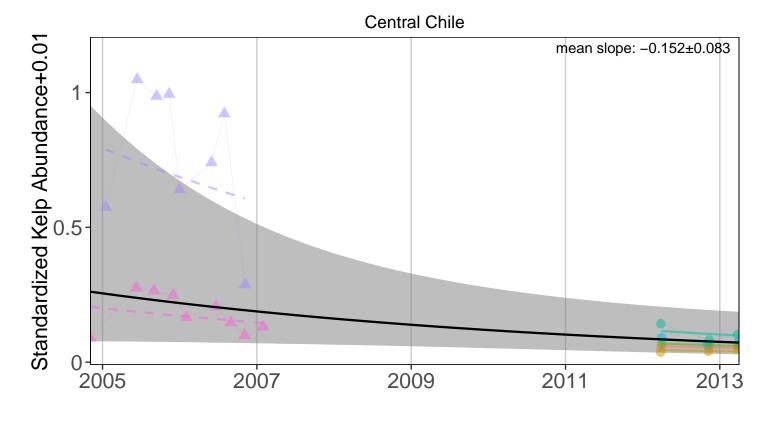
# Study ■ Davoult\_etal\_2011 + REBENT\_Brittany\_NW\_France ■ Northern\_Ireland\_Summary × Trowbridge\_etal\_2013



## Davoult\_etal\_2011 + REBENT\_Brittany\_NW\_France Northern\_Ireland\_Summary × Trowbridge\_etal\_2013

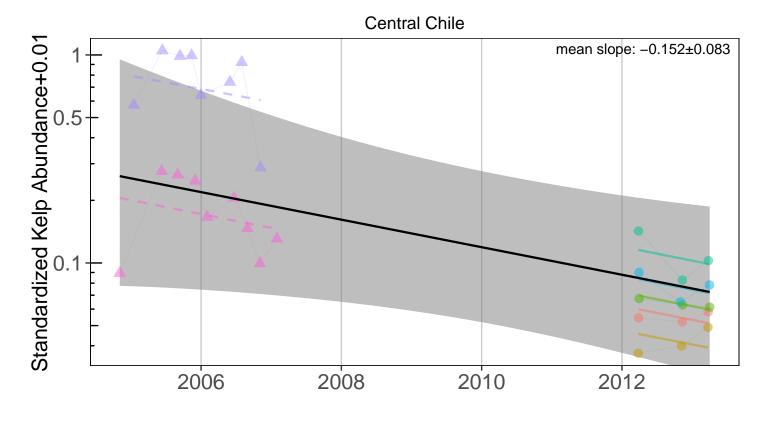






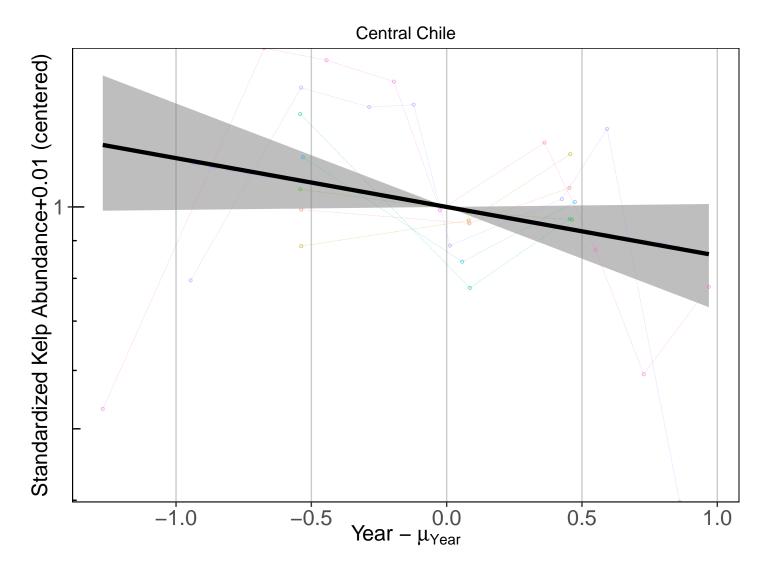
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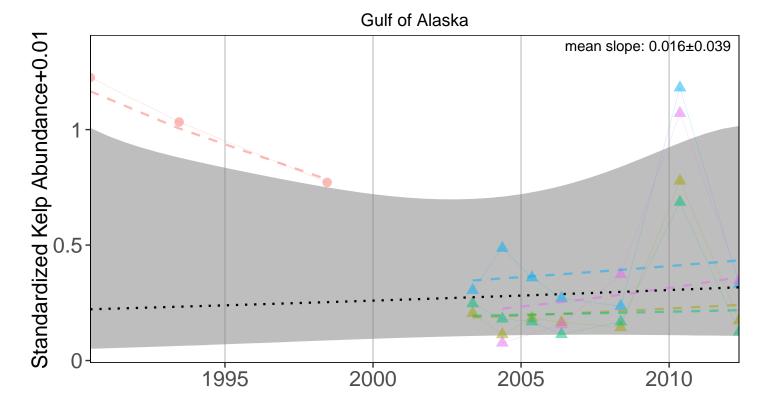
Central\_Chile\_Fondecyt A Northern\_Chile



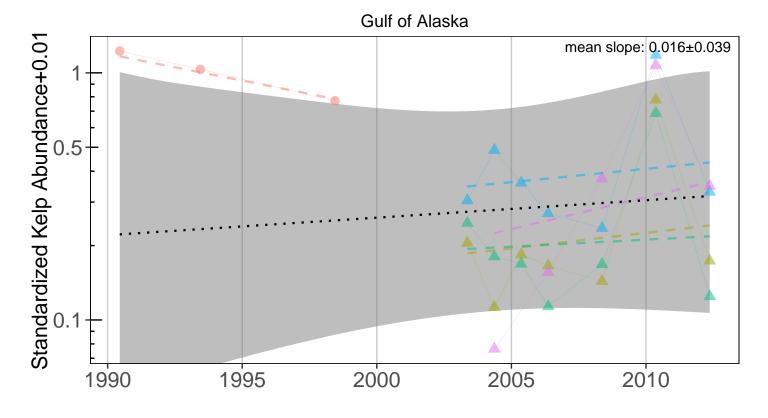
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Central\_Chile\_Fondecyt A Northern\_Chile



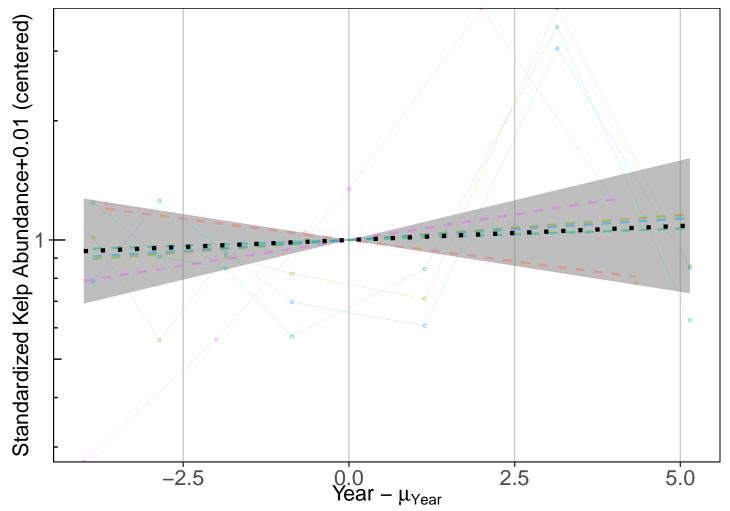


Study ■ Dean\_etal\_2000 ▲ konar\_GulfOfAlaska

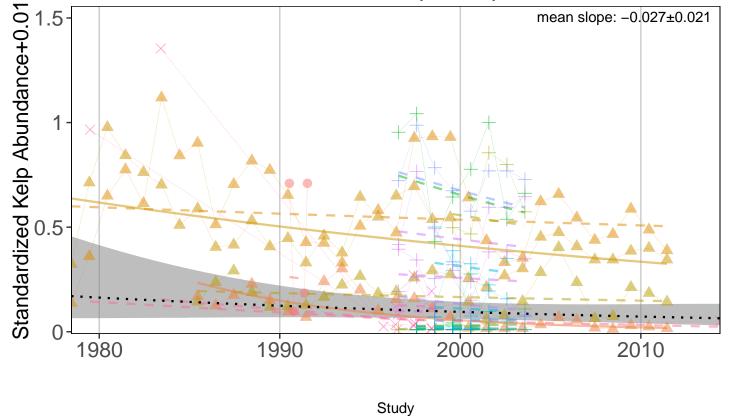


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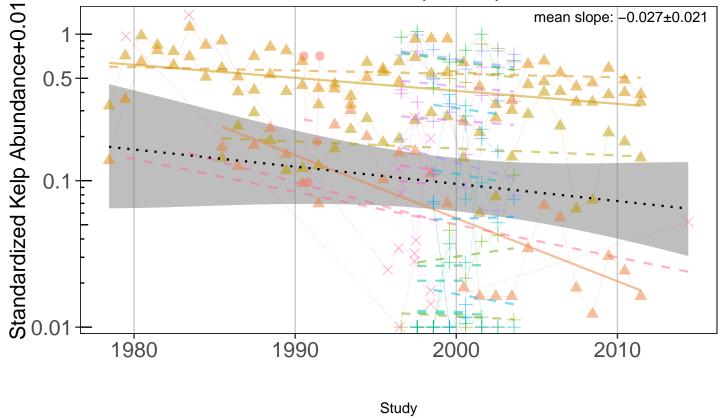


### Gulf of Maine/Bay of Fundy



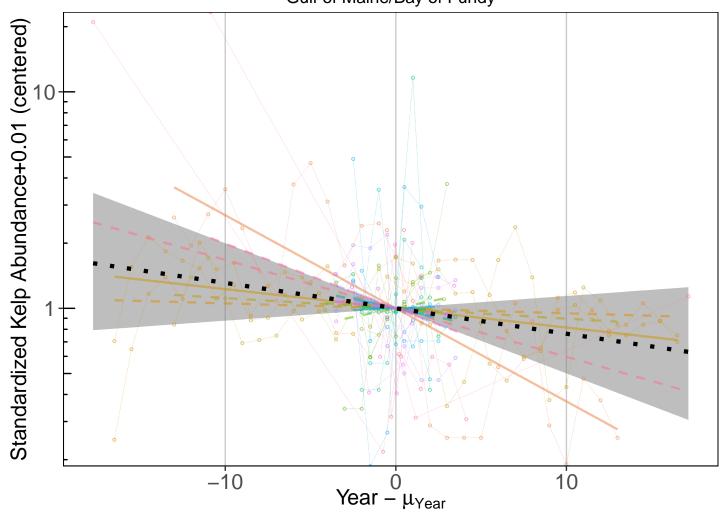
Lambert\_etal\_1992 + steneck\_gom
 Normandeau × witman\_gom

### Gulf of Maine/Bay of Fundy

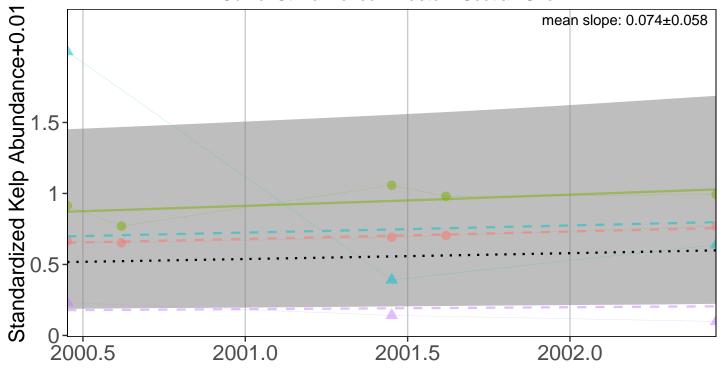


■ Lambert\_etal\_1992 + steneck\_gom ■ Normandeau × witman\_gom

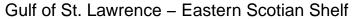
Gulf of Maine/Bay of Fundy

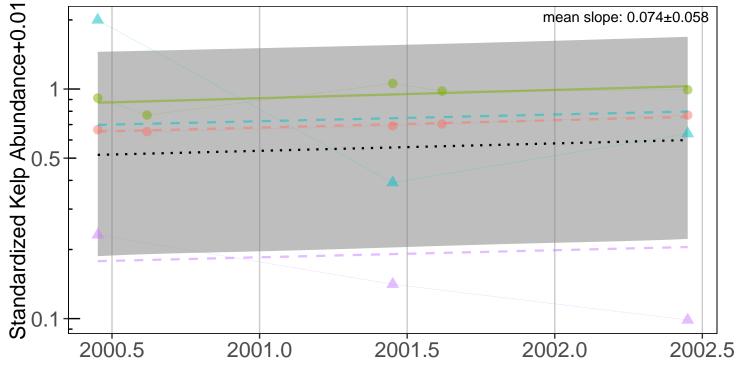


Gulf of St. Lawrence - Eastern Scotian Shelf



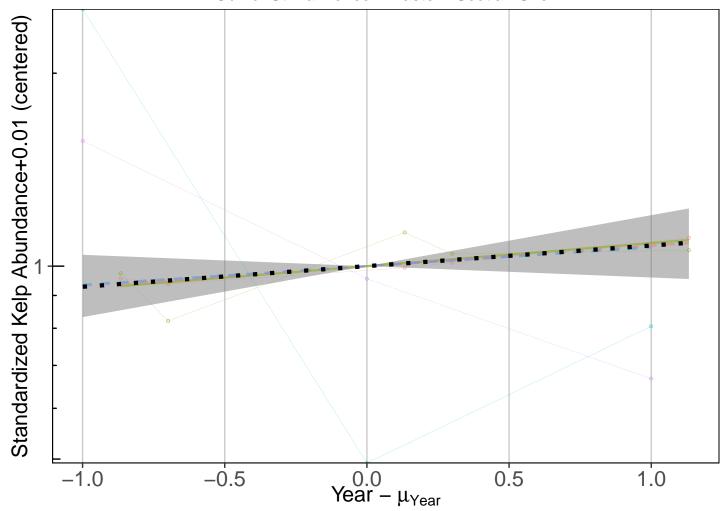
Study ■ Gagnon\_atal\_2005 ▲ Gagnon\_etal\_2004

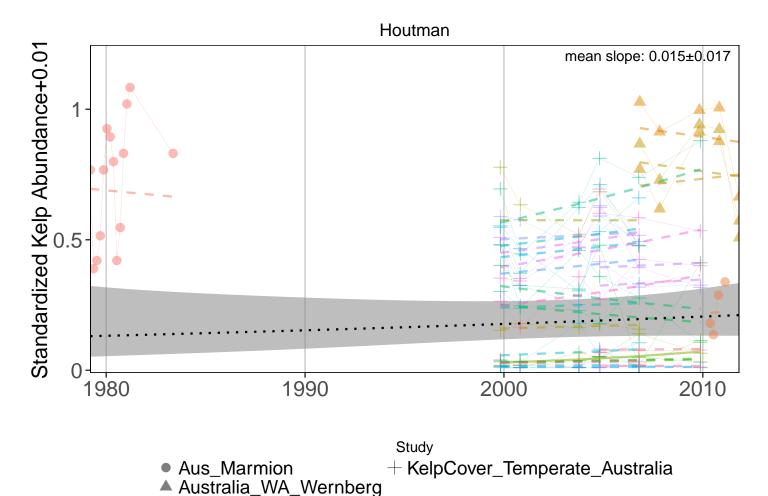


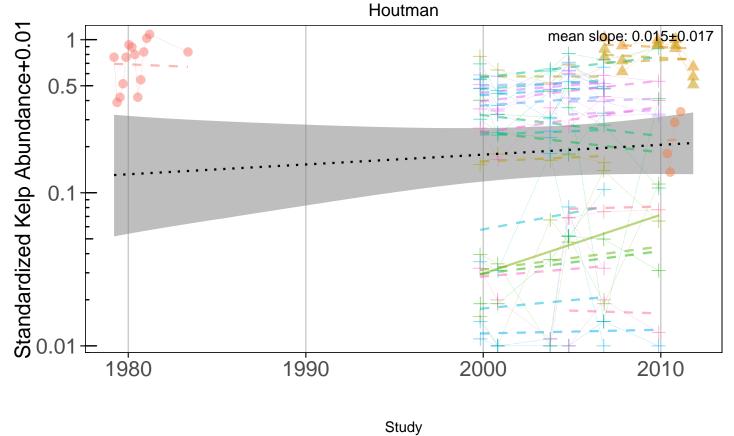


Study ■ Gagnon\_atal\_2005 ▲ Gagnon\_etal\_2004

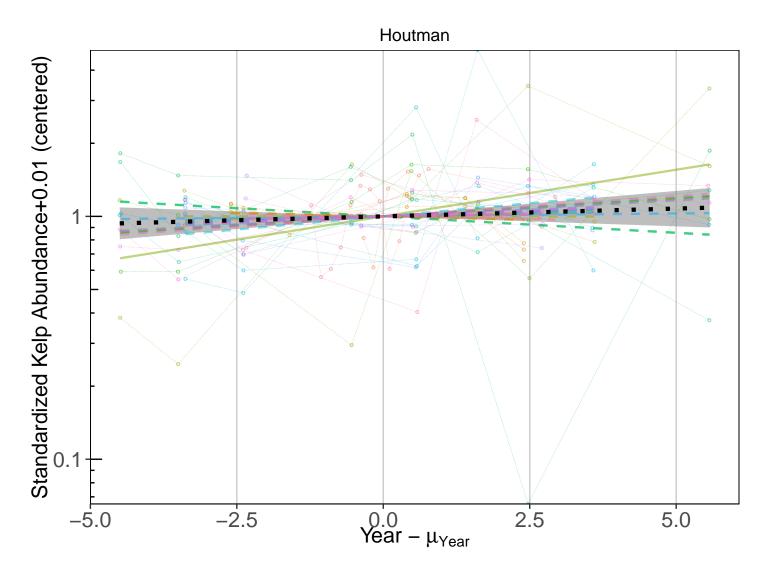
Gulf of St. Lawrence - Eastern Scotian Shelf

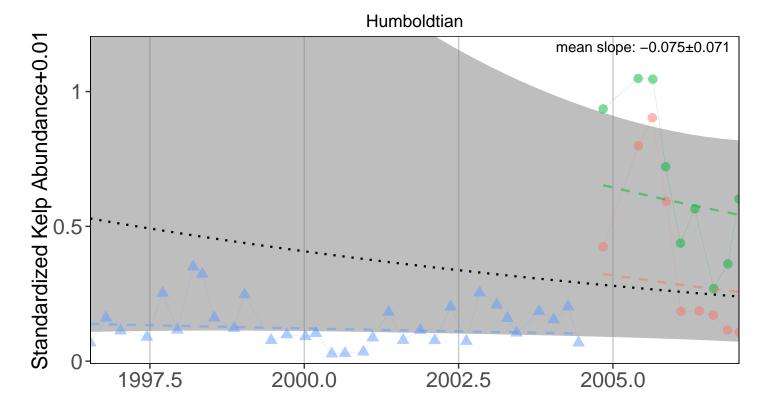






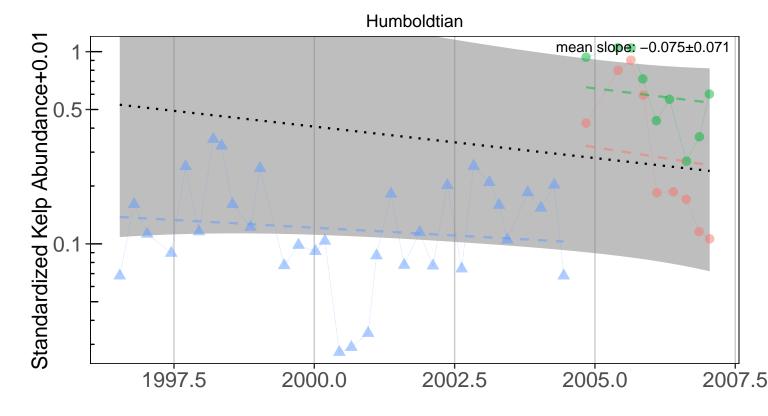
Aus\_Marmion + KelpCover\_Temperate\_AustraliaAustralia\_WA\_Wernberg





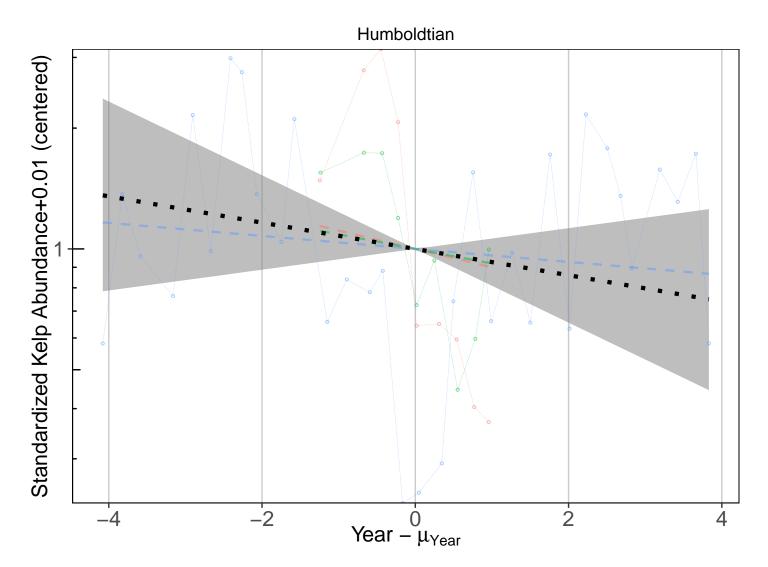
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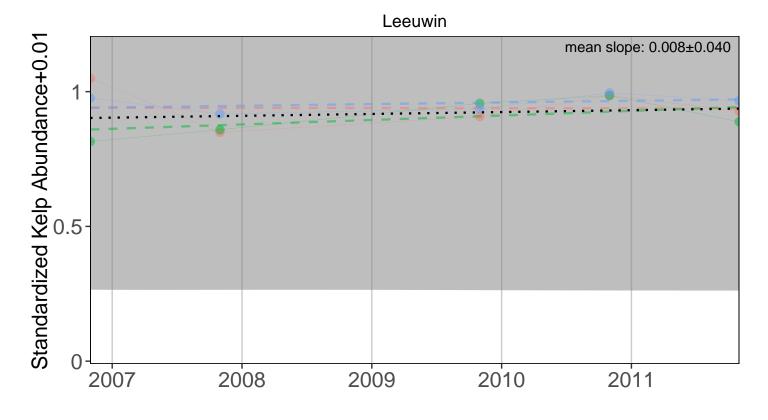
Northern\_Chile 
Vasquez\_etal\_2006



Study

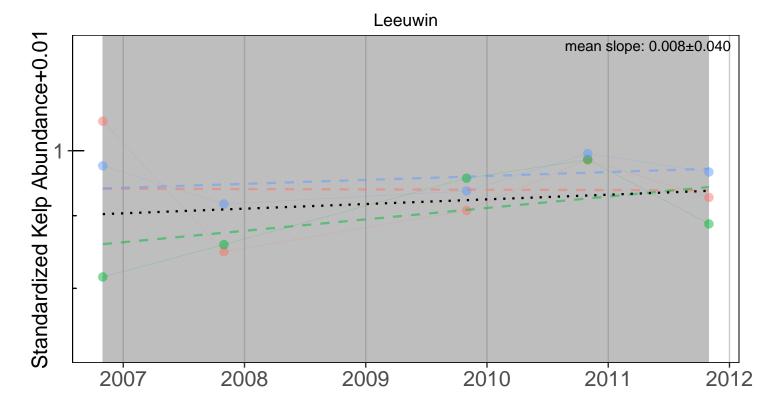
■ Northern\_Chile ▲ Vasquez\_etal\_2006





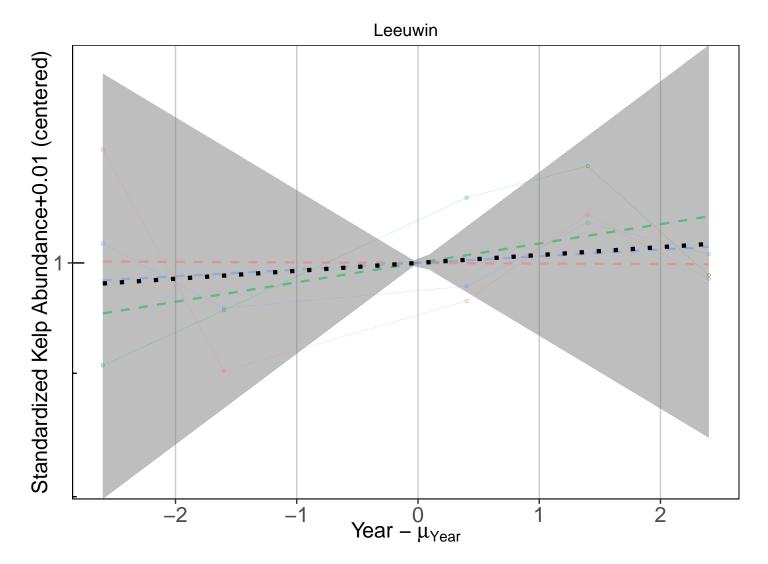
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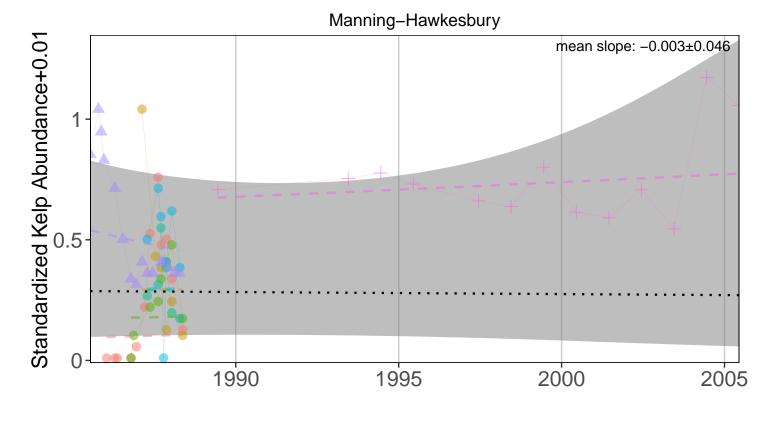
• Australia\_WA\_Wernberg

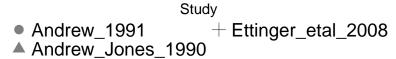


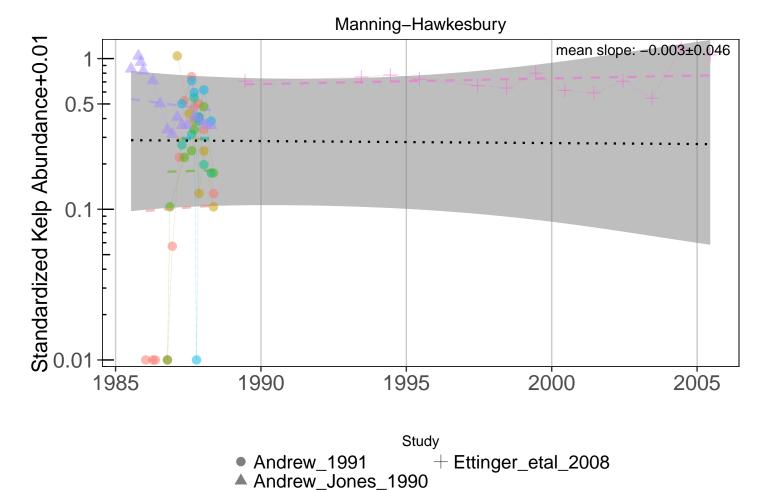
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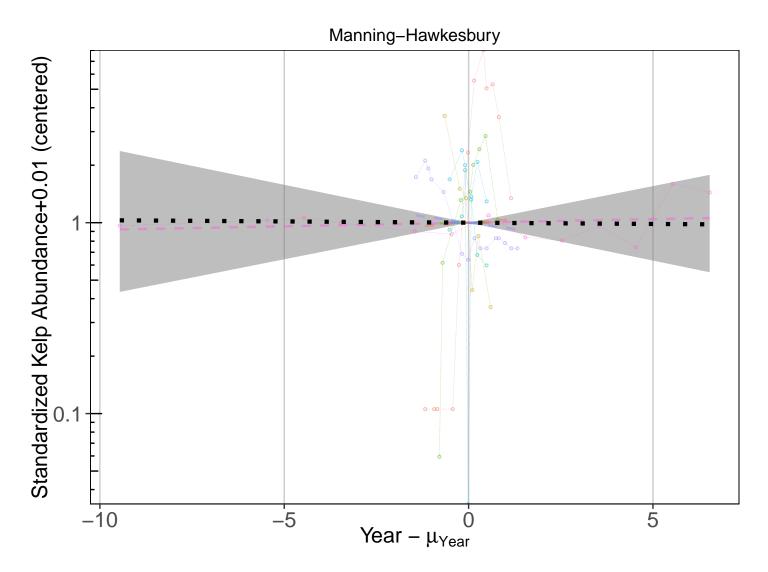
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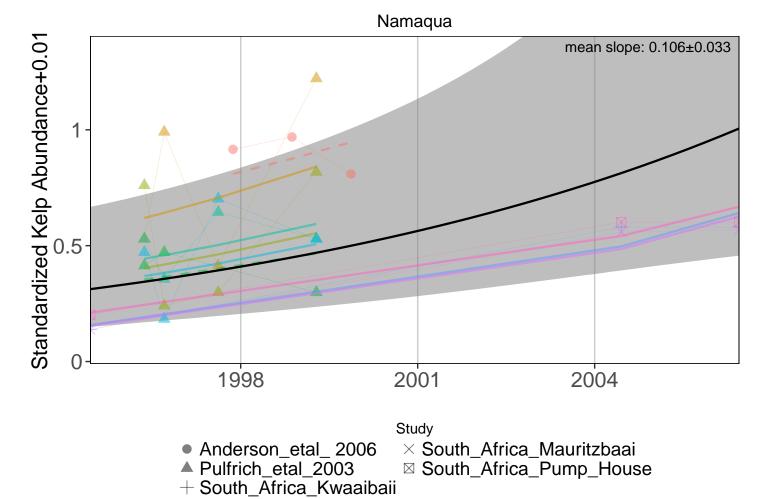


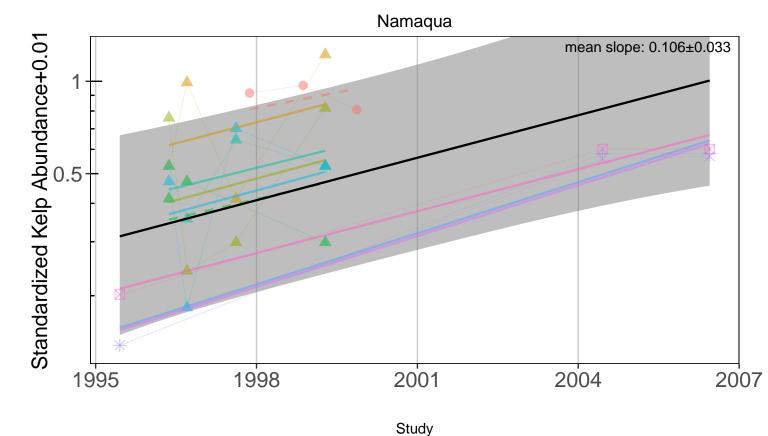












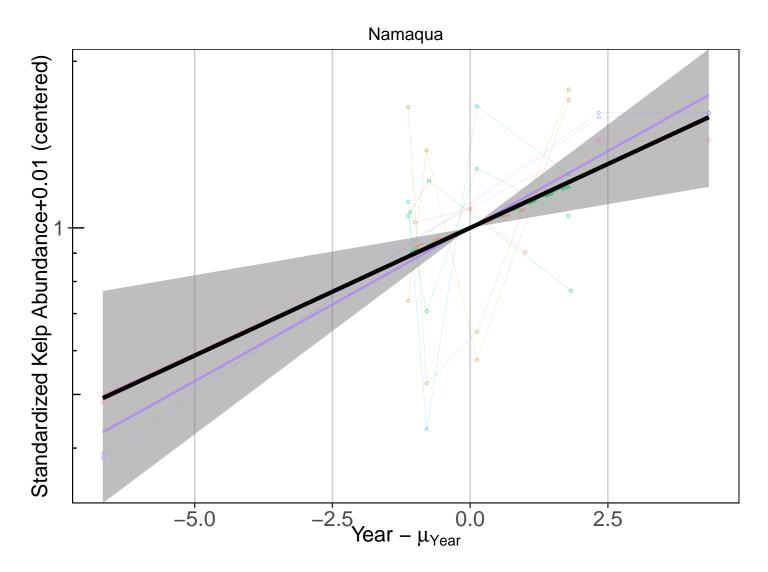
Anderson\_etal\_ 2006

▲ Pulfrich\_etal\_2003

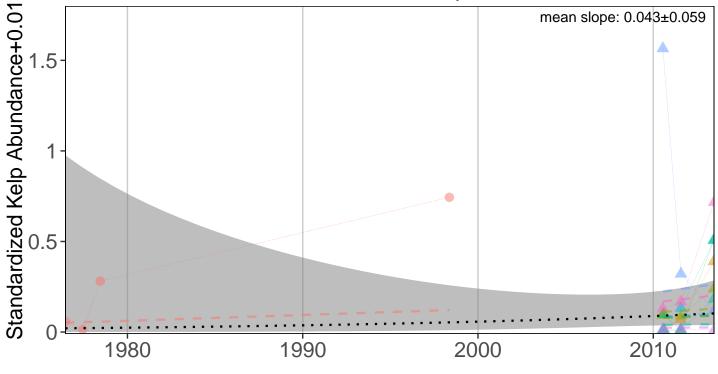
+ South\_Africa\_Kwaaibaii

× South\_Africa\_Mauritzbaai

South\_Africa\_Pump\_House

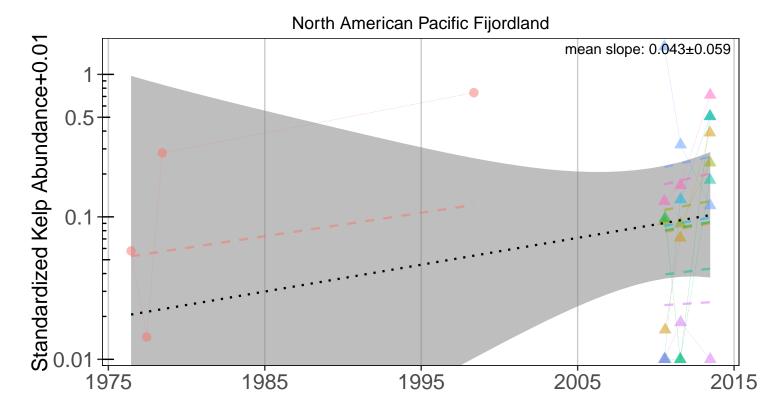


# North American Pacific Fijordland



Study

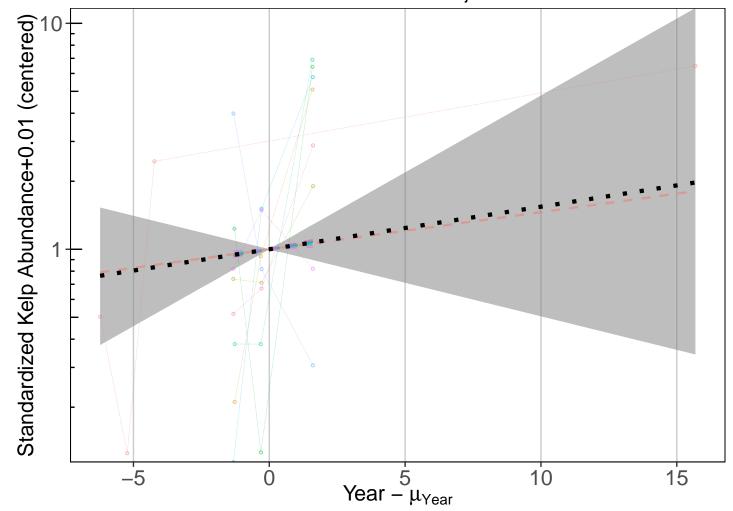
■ Estes\_Duggins\_AK ▲ Haida\_Gwaii



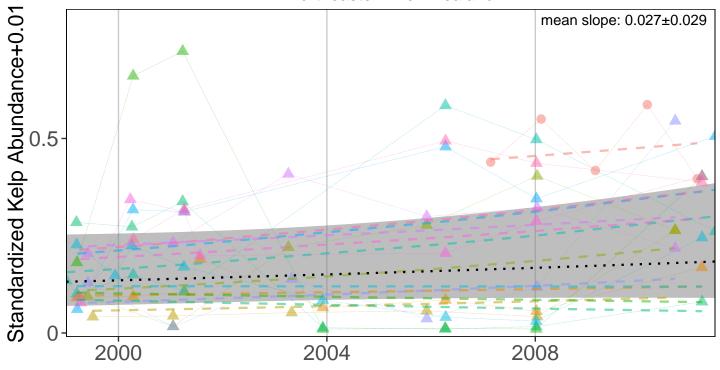
Study

■ Estes\_Duggins\_AK ▲ Haida\_Gwaii

North American Pacific Fijordland

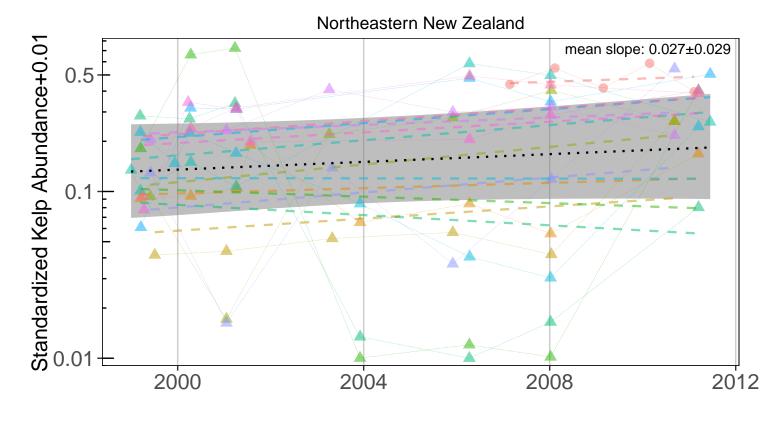


#### Northeastern New Zealand



Study

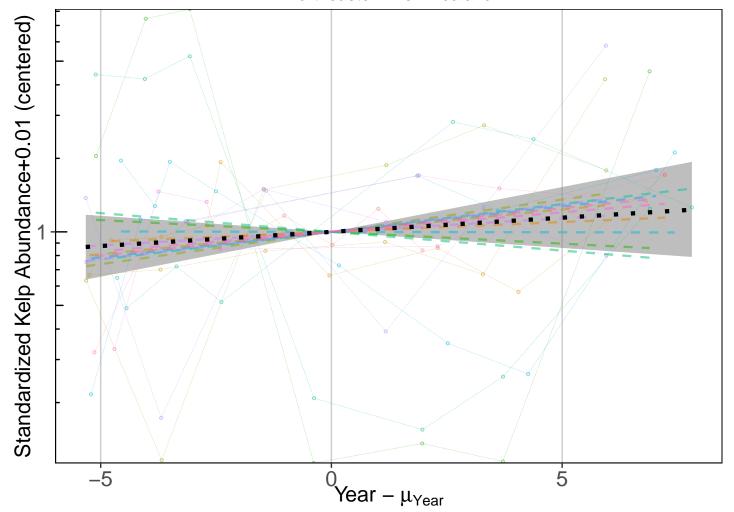
New\_Zealand\_Hauraki\_Gulf A Northern\_New\_Zealand



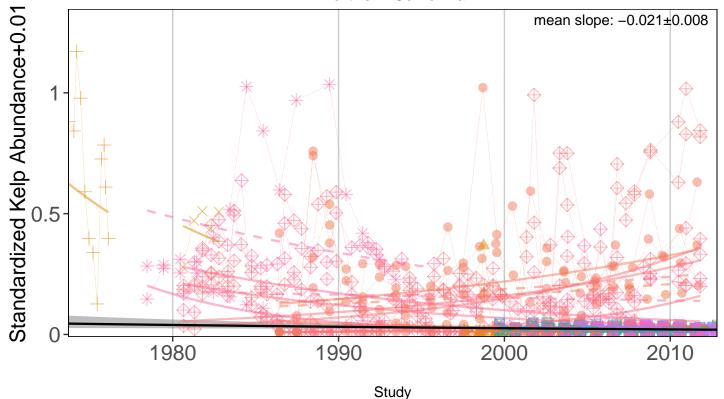
Study

New\_Zealand\_Hauraki\_Gulf A Northern\_New\_Zealand





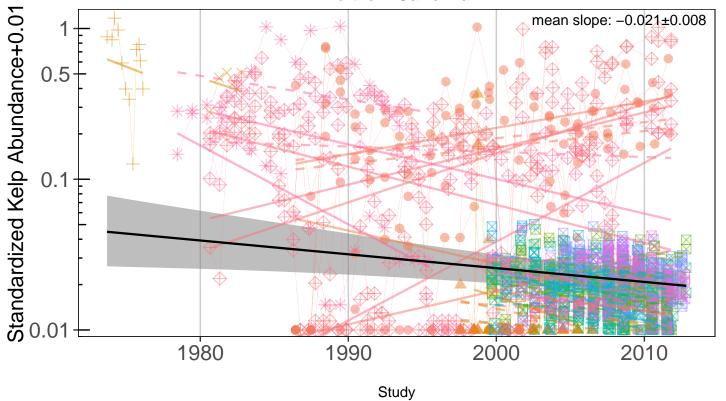
#### Northern California



- Channel\_Islands\_National\_Park 
  ☐ PISCO\_subtidal
- Edwards\_baja
- Gerard\_ 1976
- × Harrold\_Reed\_1985

- - \* Schiel\_etal\_2004
  - **♦ SNI**

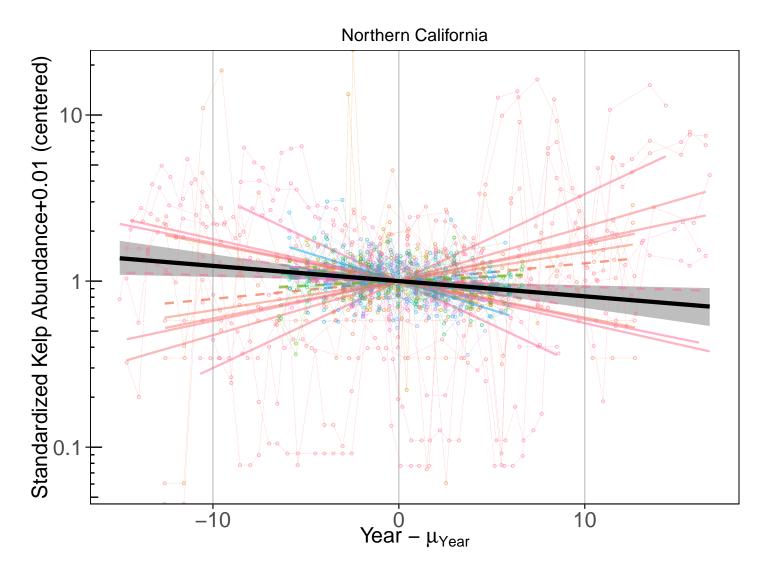
#### Northern California

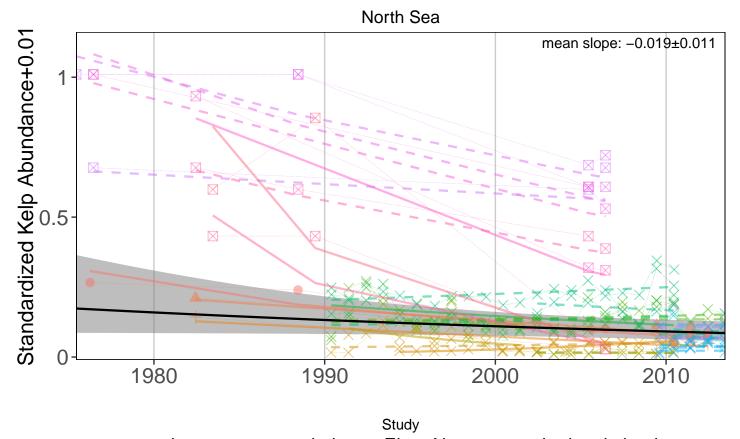


- Channel\_Islands\_National\_Park 

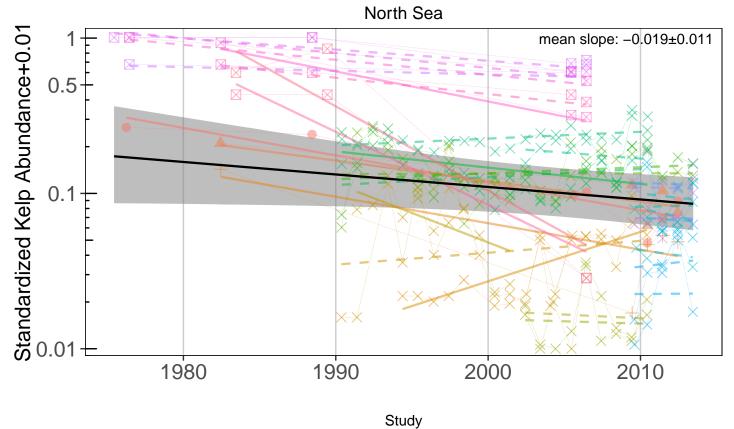
  PISCO\_subtidal
- Edwards\_baja
- + Gerard\_ 1976
- × Harrold\_Reed\_1985

- \* Schiel\_etal\_2004
- $\oplus$  SNI



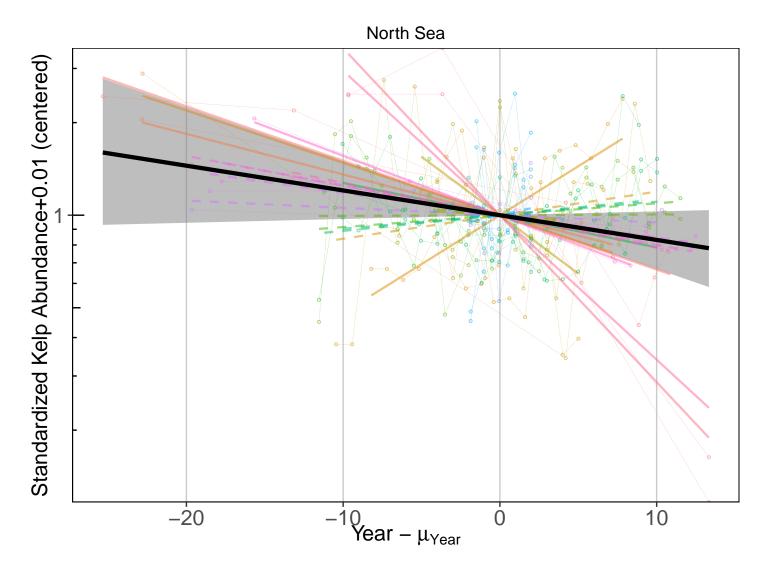


norway\_inner\_coast\_norderhaug-Ei × Norway\_monitoring\_kelp\_data
 norway\_inner\_coast\_norderhaug-Gr ⋈ norway\_moy\_christie\_with\_..sen\_2
 + norway\_inner\_coast\_norderhaug-No

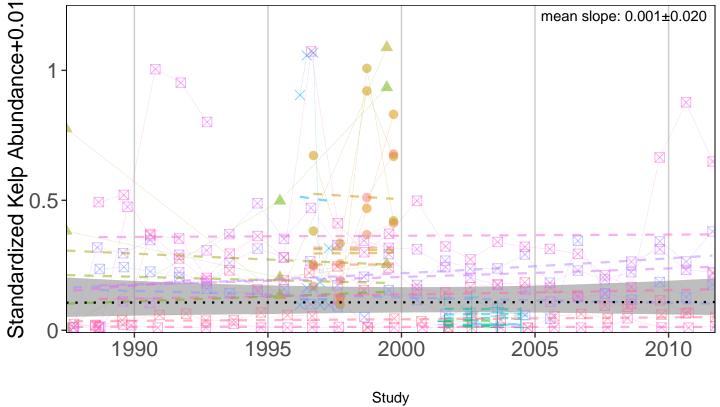


norway\_inner\_coast\_norderhaug-Ei × Norway\_monitoring\_kelp\_data
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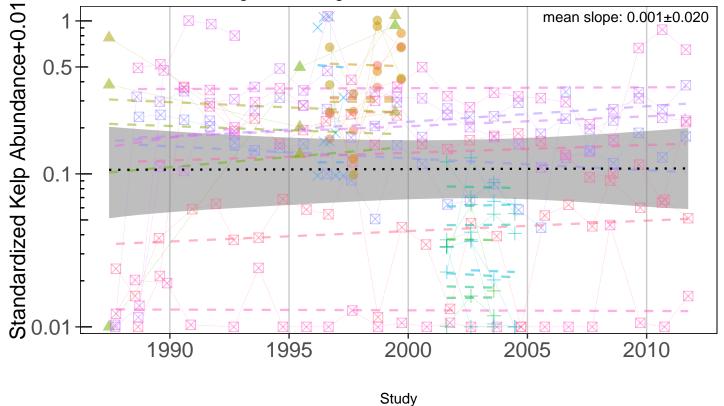


# Oregon, Washington, Vancouver Coast and Shelf



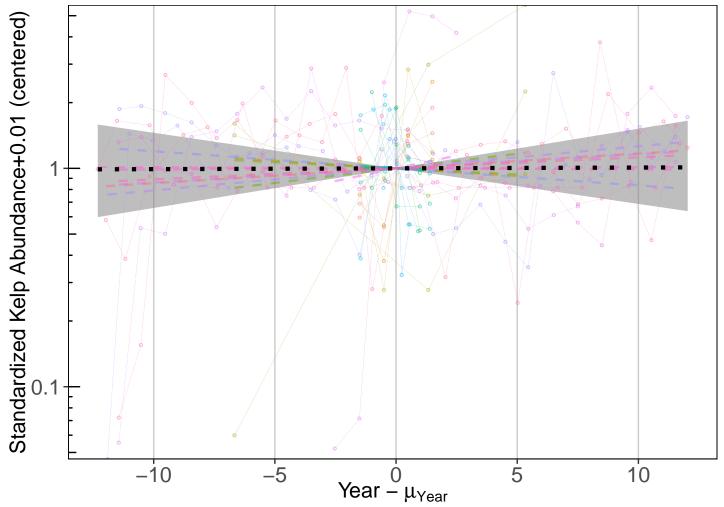
- Fox\_etal\_1999 × Shaffer\_2000
- ▲ Kvitek\_etal\_ 2001 ☑ VancouverIsland-JaneWatson
- + PISCO\_oregon

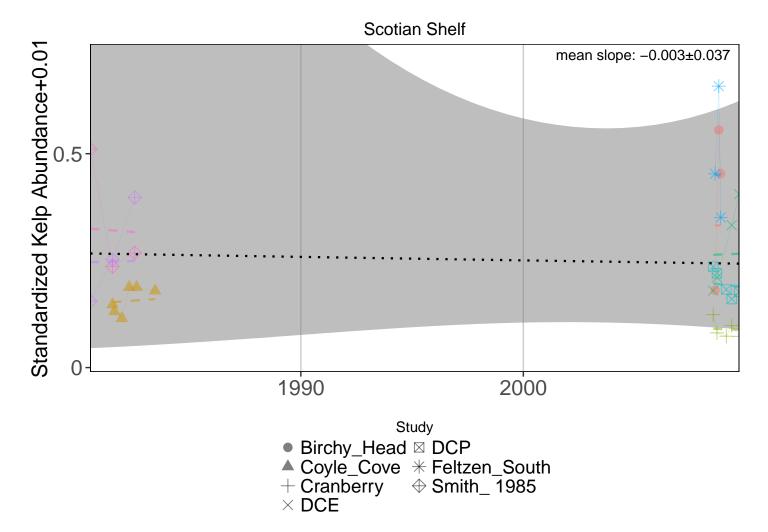
# Oregon, Washington, Vancouver Coast and Shelf

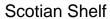


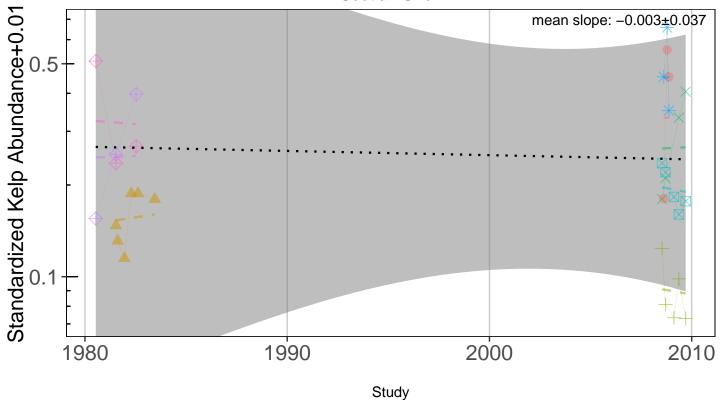
- Fox\_etal\_1999 × Shaffer\_2000
- ▲ Kvitek\_etal\_ 2001 ☑ VancouverIsland–JaneWatson
- + PISCO\_oregon

Oregon, Washington, Vancouver Coast and Shelf





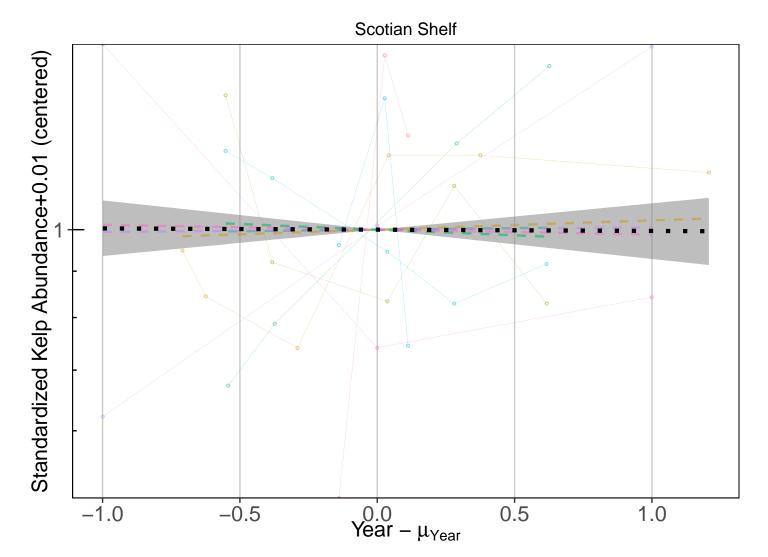


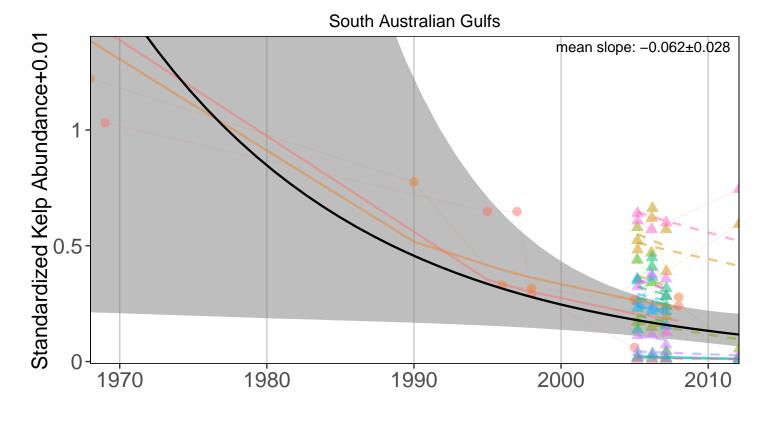


Birchy\_Head ⋈ DCP

▲ Coyle\_Cove \* Feltzen\_South

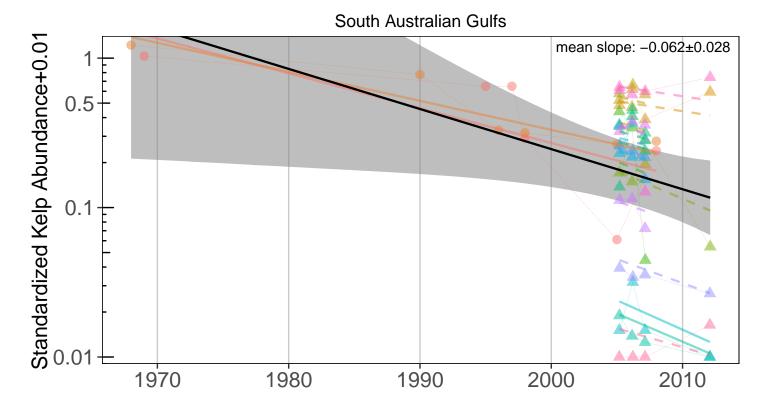
+ Cranberry × DCE 





Study

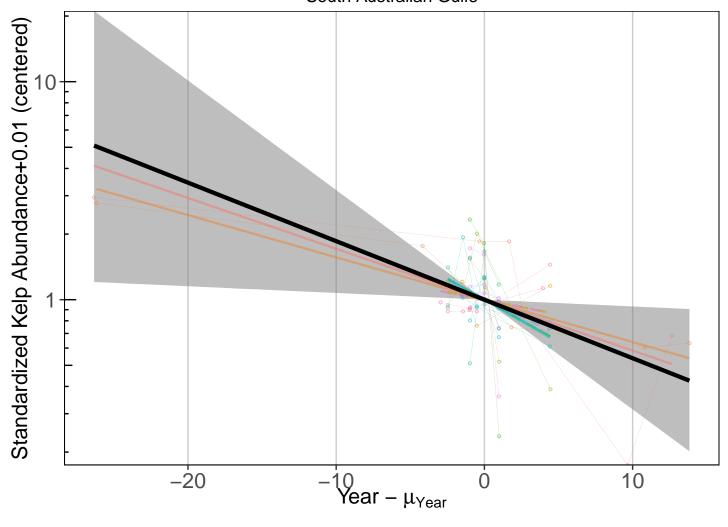
autralia\_connell\_canopyLoss 
KelpCover\_Temperate\_Australia



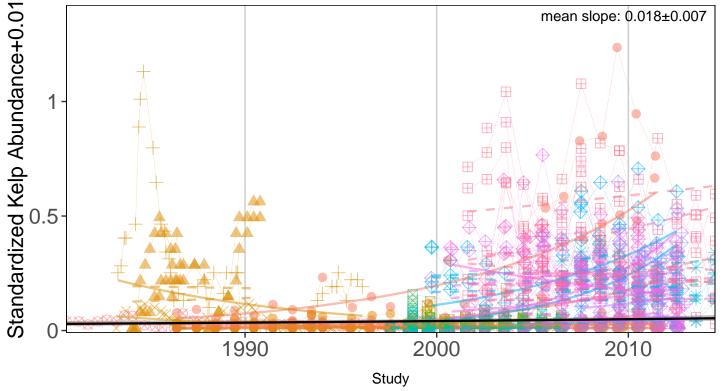
Study

• autralia\_connell\_canopyLoss • KelpCover\_Temperate\_Australia

South Australian Gulfs



### Southern California Bight

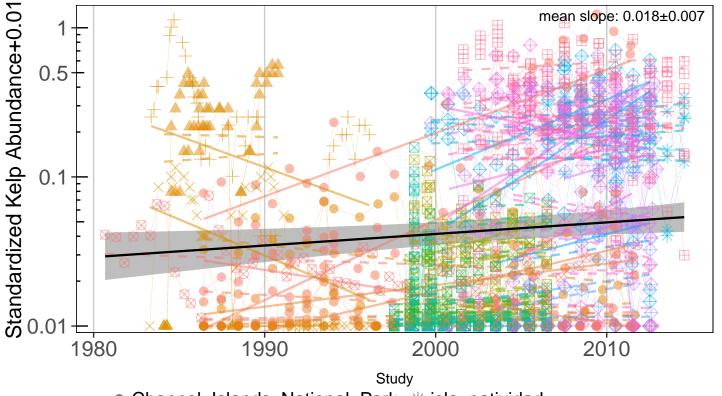


- Channel\_Islands\_National\_Park \* isla\_natividad
- + Dayton\_etal\_1999\_Laminaria 

  ⊞ sbc\_lter\_longterm\_community
- × Dayton\_etal\_1999\_Pterygophora 

  SNI
- ⊠ Edwards\_baja

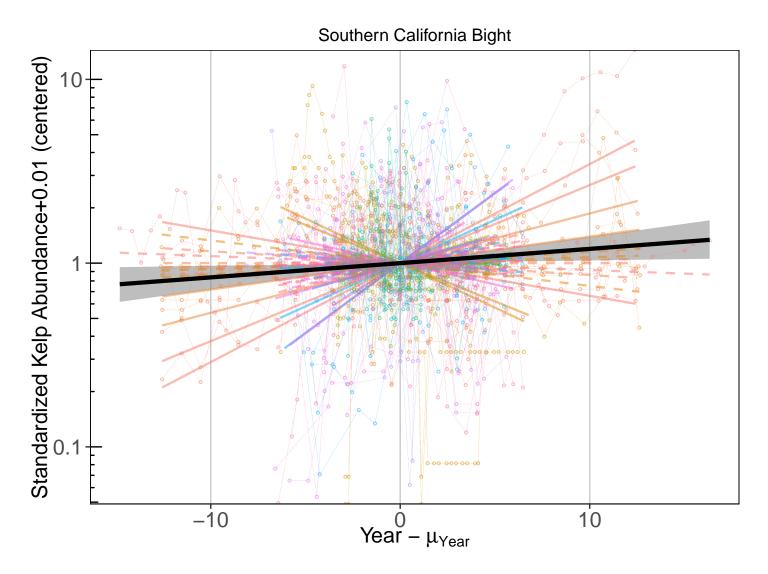
## Southern California Bight

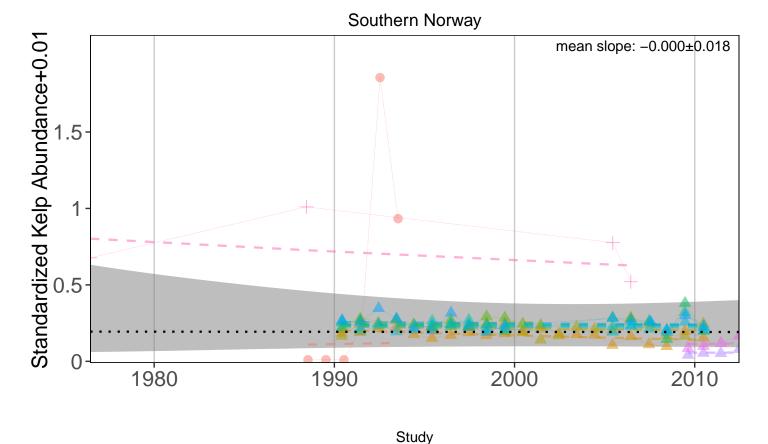


- Channel\_Islands\_National\_Park \* isla\_natividad
- + Dayton\_etal\_1999\_Laminaria 

  □ sbc\_lter\_longterm\_community
- × Dayton\_etal\_1999\_Pterygophora 

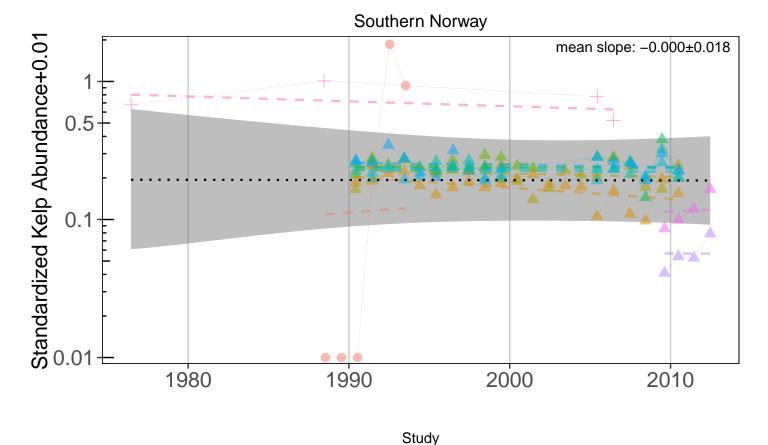
  SNI
- □ Edwards\_baja



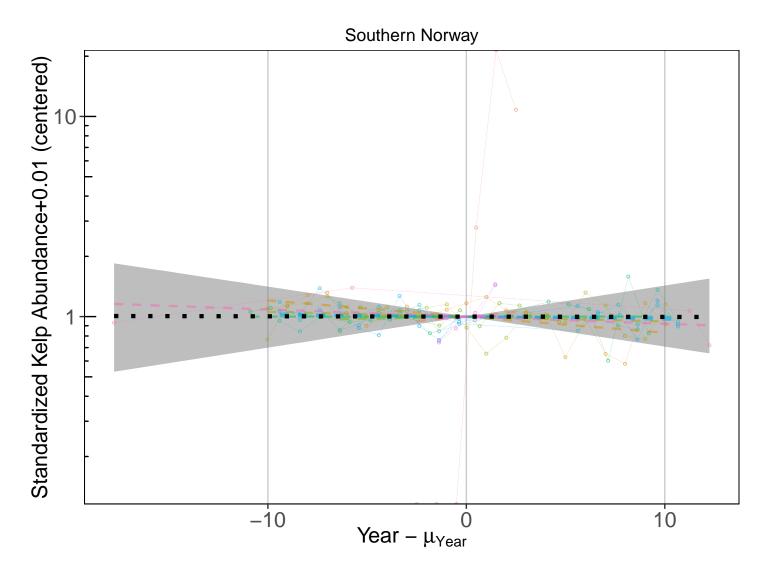


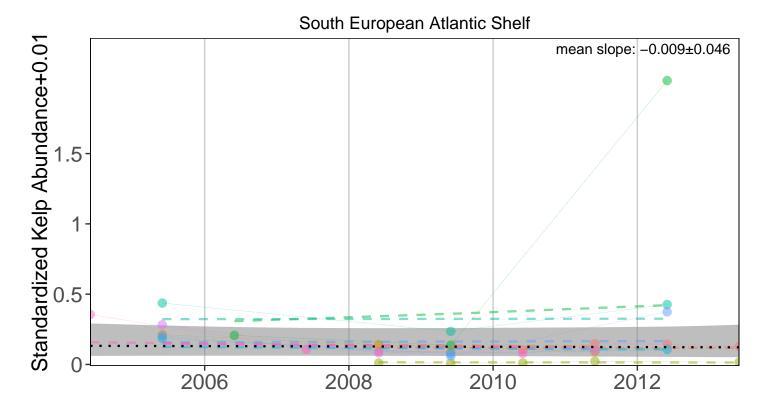
Leinaas\_Christie\_1996 + norway\_moy\_christie\_with\_..sen\_2

Norway\_monitoring\_kelp\_data



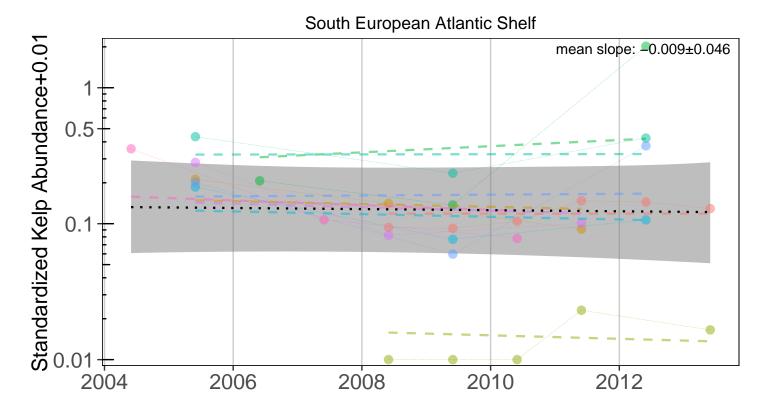
Leinaas\_Christie\_1996 + norway\_moy\_christie\_with\_..sen\_2
 Norway\_monitoring\_kelp\_data



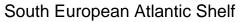


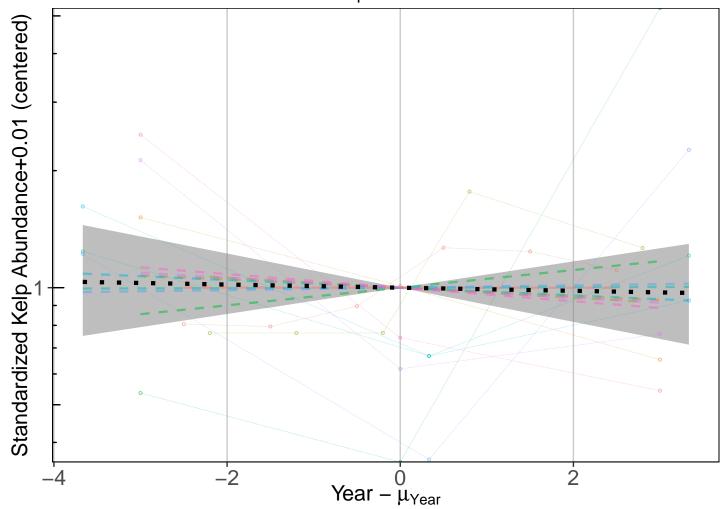
Study

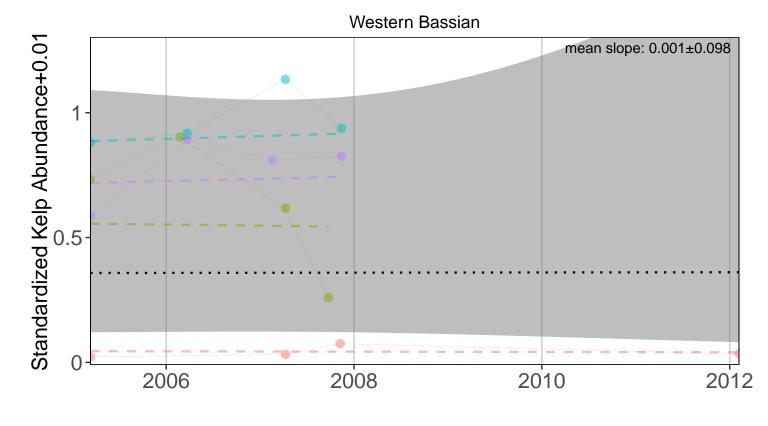
REBENT\_Brittany\_NW\_France



Study
• REBENT\_Brittany\_NW\_France

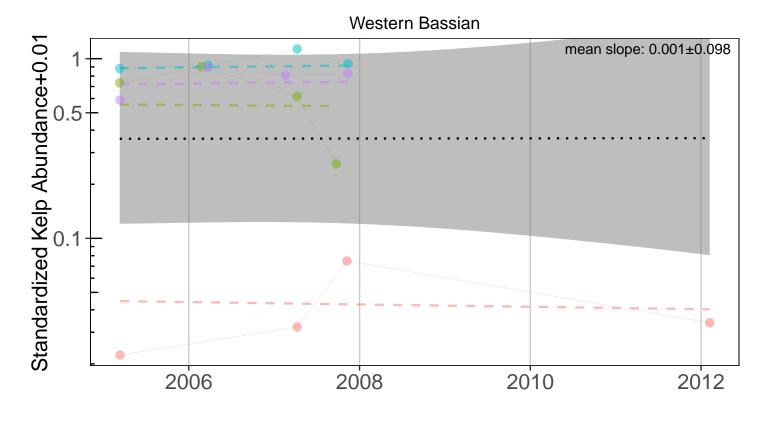






Study

• KelpCover\_Temperate\_Australia



Study

KelpCover\_Temperate\_Australia

