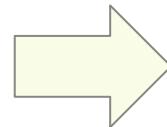


The Future of BC Parks Attendance according to Population Growth and Climate Change

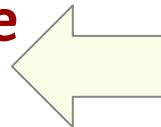


Dayna Weststrate
BSc, Honours Biology
The University of British Columbia, Okanagan

BC Parks: A Dual Mandate



**Human-Wildlife
Conflict**





How do we minimize human-wildlife conflict?





How do we minimize human-wildlife conflict?





How do we minimize human-wildlife conflict?



Study Areas



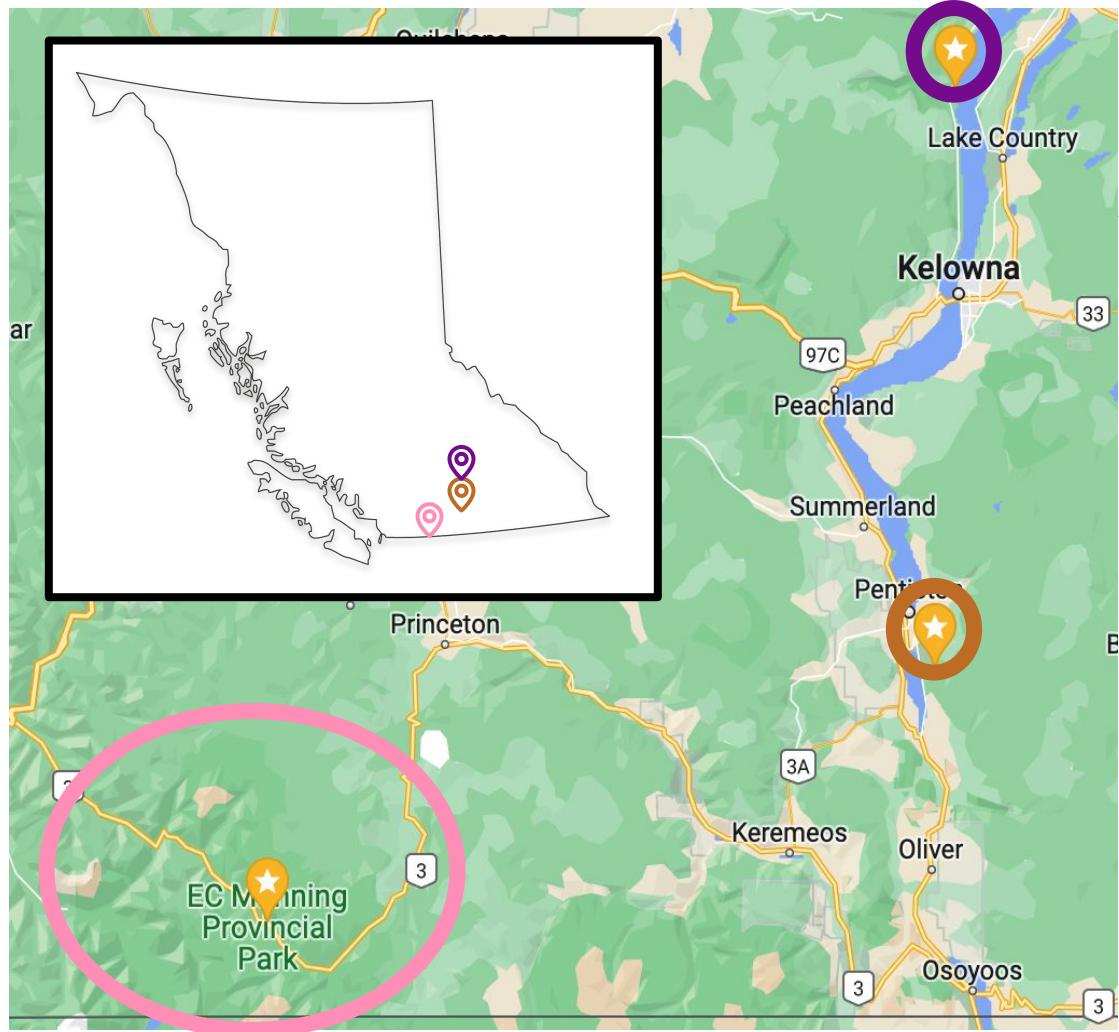
Fintry Park



Skaha Bluffs Park



E.C. Manning Park





Study Areas



Fintry Park



Skaha Bluffs Park



E.C. Manning Park





Study Areas



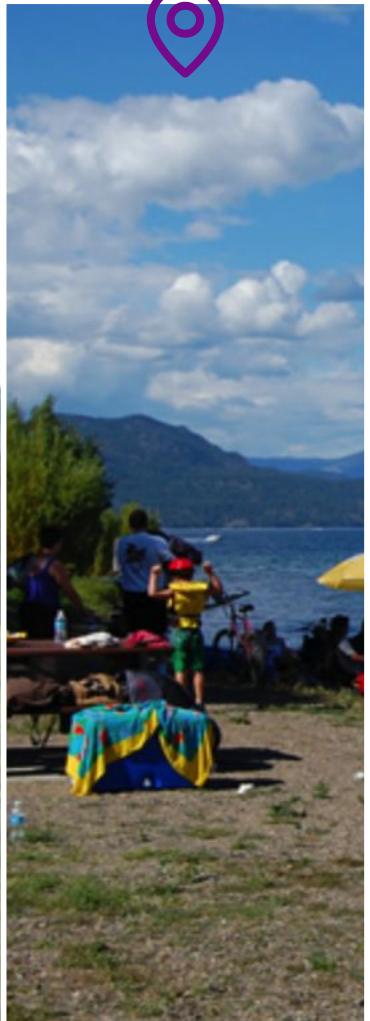
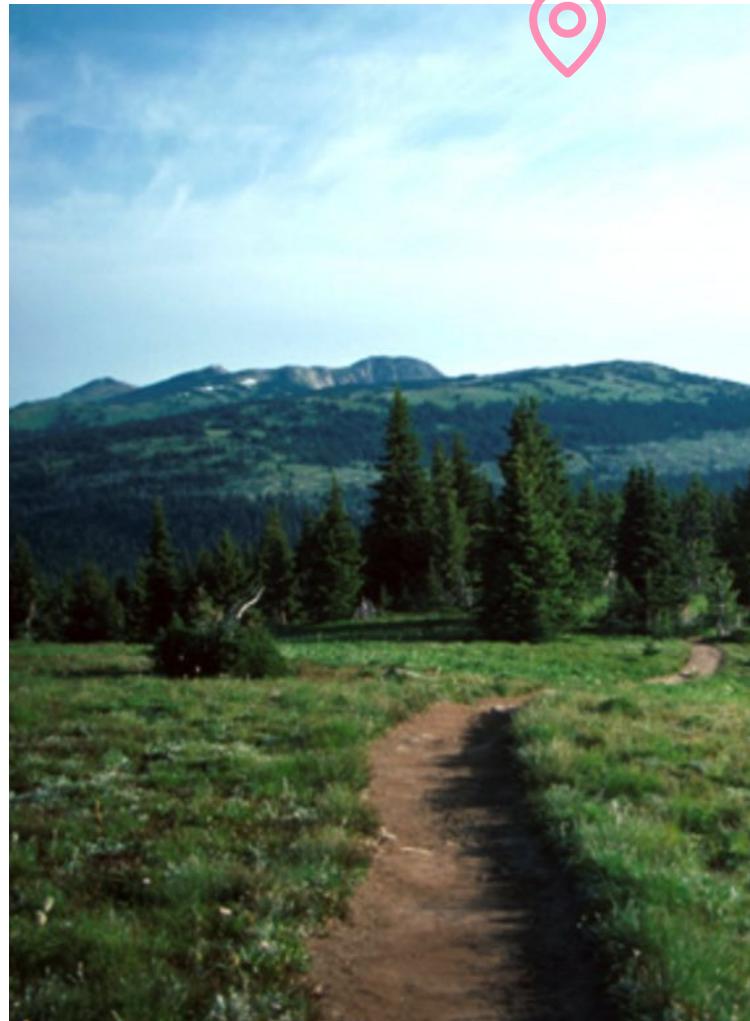
Fintry Park



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Study Areas



Fintry Park



Skaha Bluffs Park



E.C. Manning Park





Factors influencing park attendance

- BC population growth

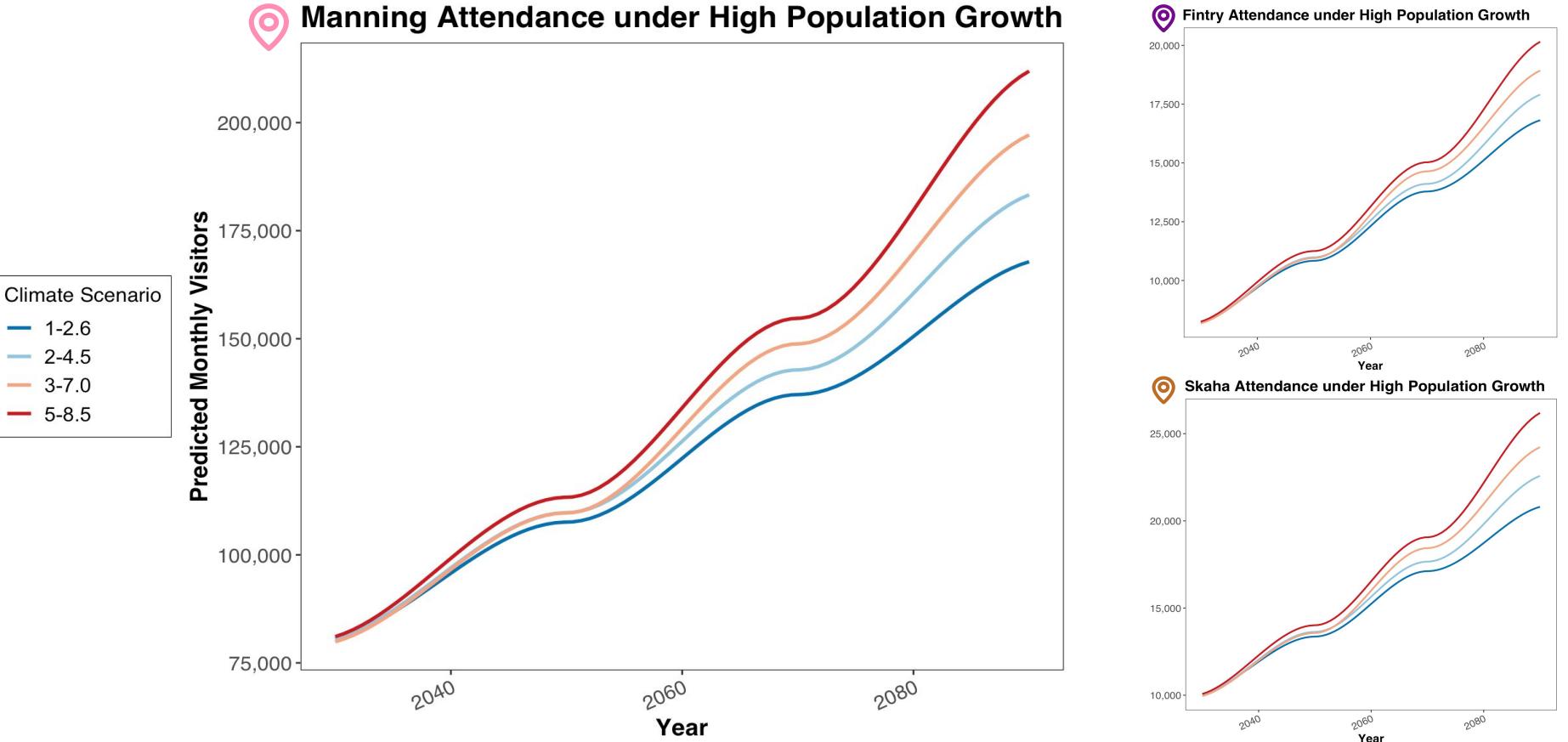
- Increasing population, but uncertain growth rates

- Climate change

- Rising temperatures
 - More precipitation



Park attendance will increase as we approach 2100, and climate change plays a big role



Park attendance will increase as we approach 2100, and climate change plays a big role



Manning Attendance under Low Population Growth

Climate Scenario
1-2.6
2-4.5
3-7.0
5-8.5

Predicted Monthly Visitors

100,000

90,000

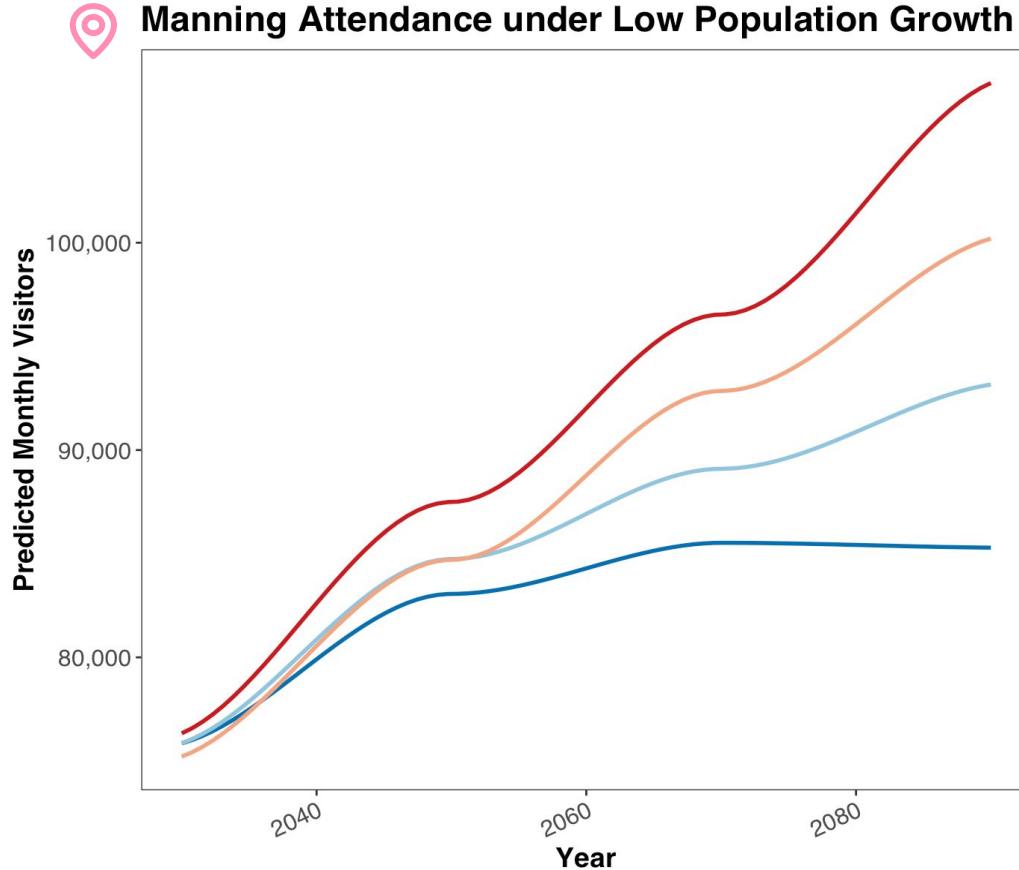
80,000

2040

2060

2080

Year



Fintry Attendance under Low Population Growth

10,000

9,500

9,000

8,500

8,000

7,500

7,000

2040

2060

2080

Year



Skaha Attendance under Low Population Growth

13,000

12,500

12,000

11,500

11,000

10,500

10,000

2040

2060

2080

Year



Skaha Attendance under Low Population Growth

13,000

12,500

12,000

11,500

11,000

10,500

10,000

9,500

9,000

8,500

8,000

7,500

7,000

6,500

6,000

5,500

5,000

4,500

4,000

3,500

3,000

2,500

2,000

1,500

1,000

500

0

2040

2060

2080

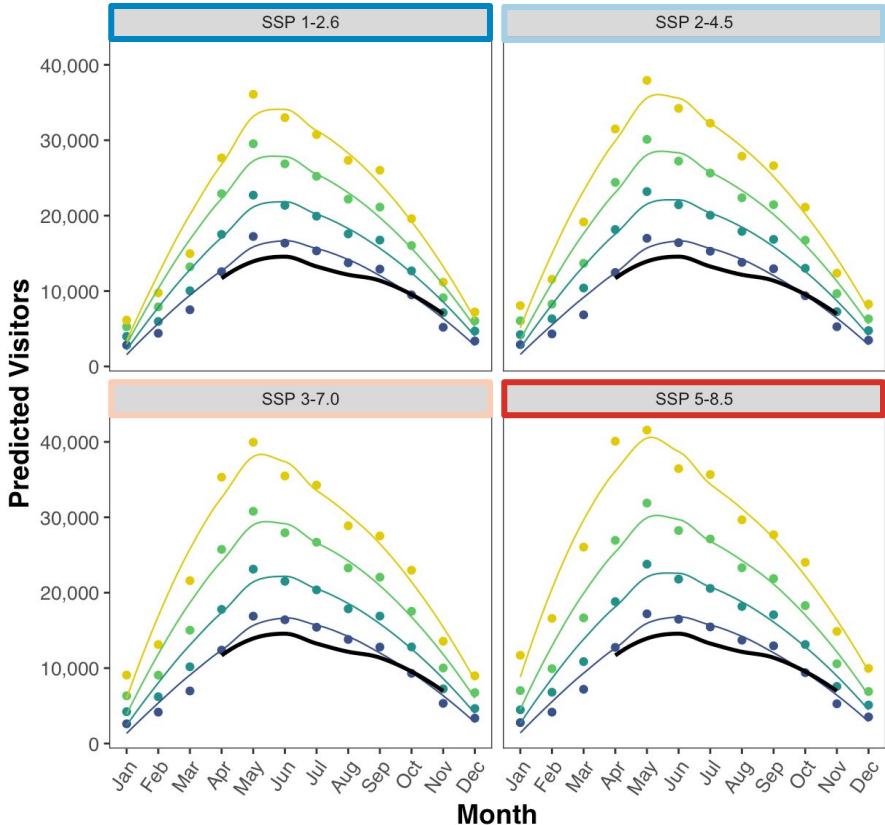
Year

Summer is peak season and will generally continue to get busier

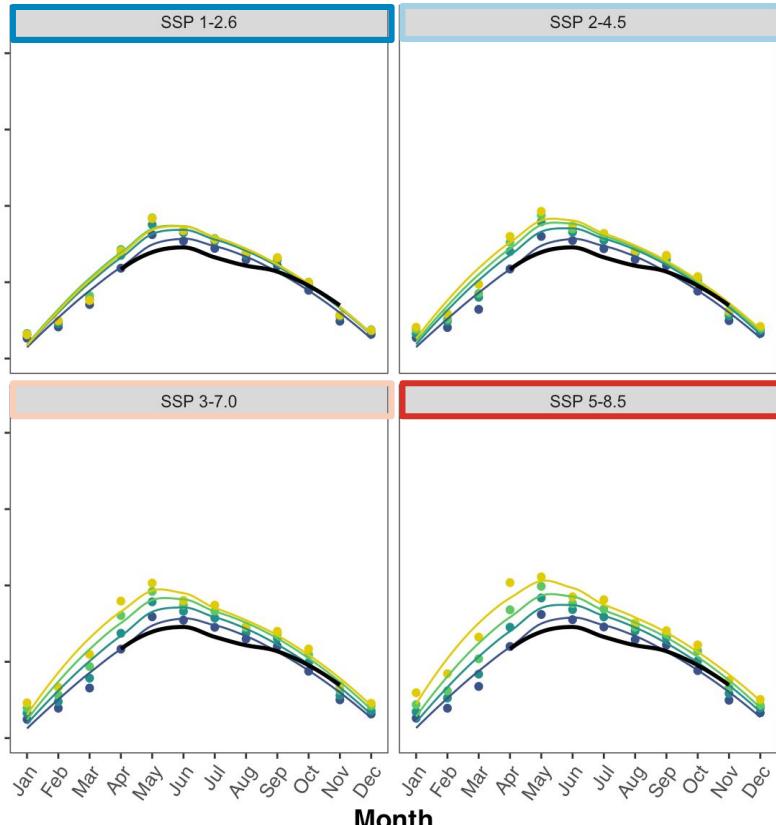


Skaha Bluffs Park

Skaha Attendance under High Population Growth



Skaha Attendance under Low Population Growth

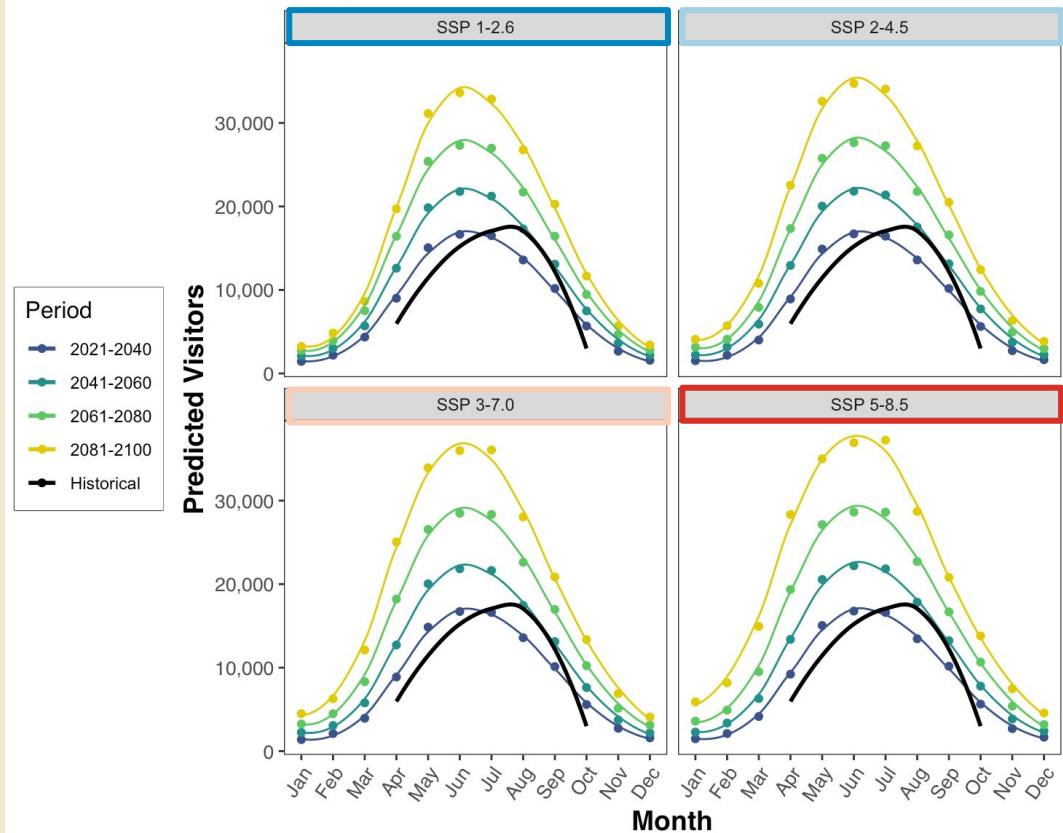


Summer is peak season and will generally continue to get busier

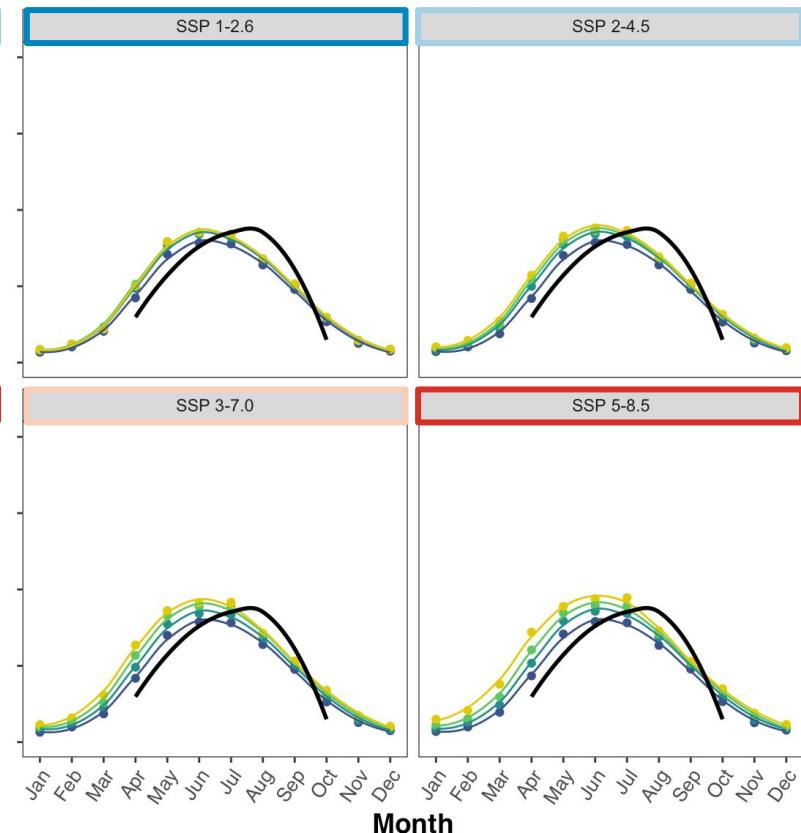


Finsky Park

Finsky Attendance under High Population Growth



Finsky Attendance under Low Population Growth

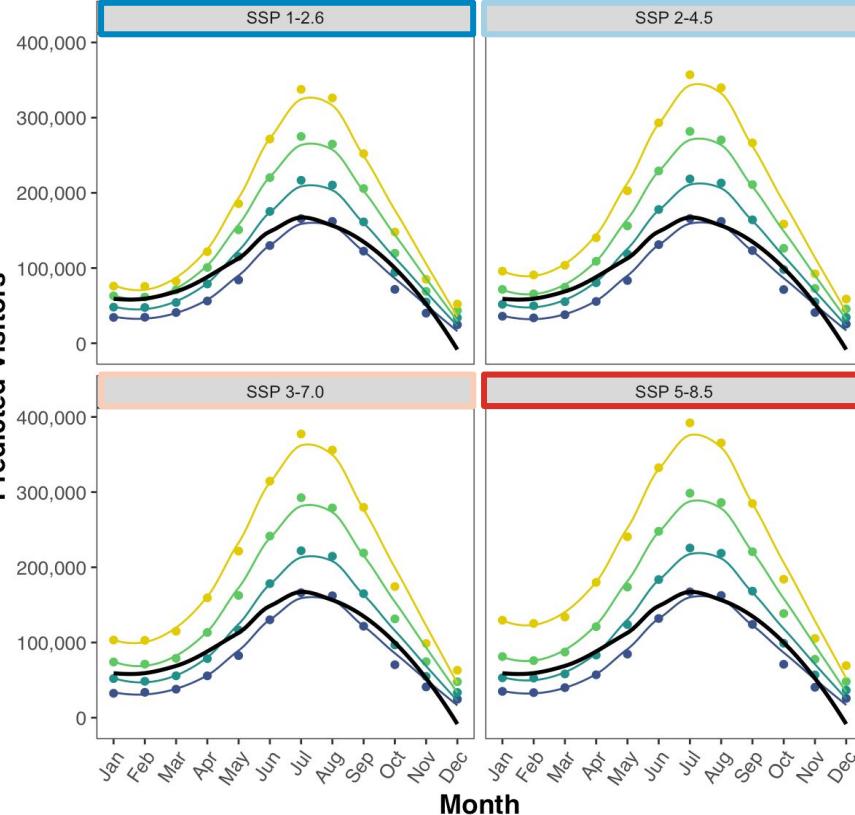


Summer is peak season and will generally continue to get busier

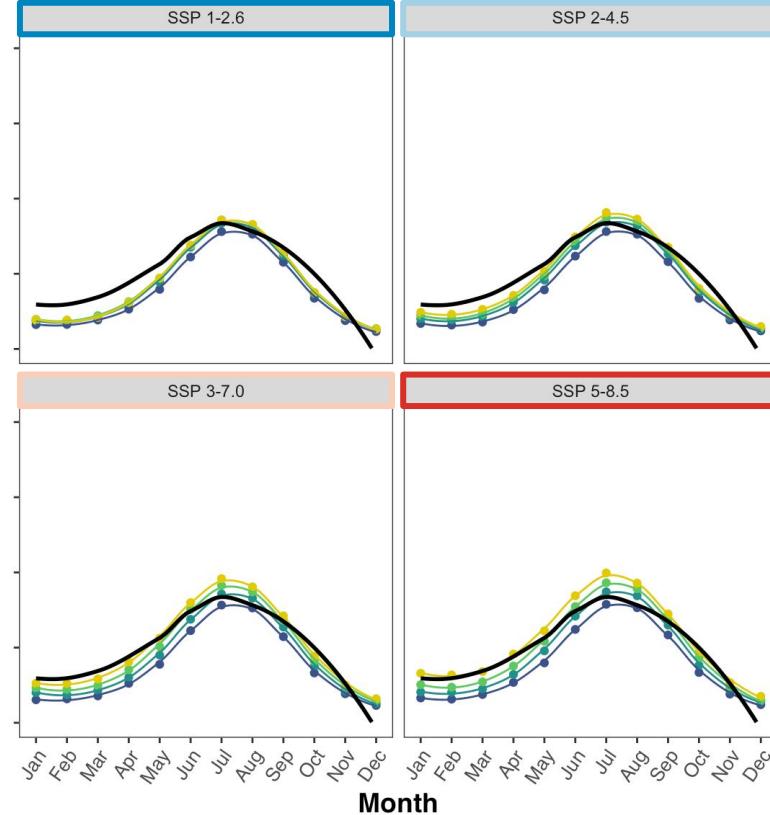


E.C. Manning Park

Manning Attendance under High Population Growth



Manning Attendance under Low Population Growth





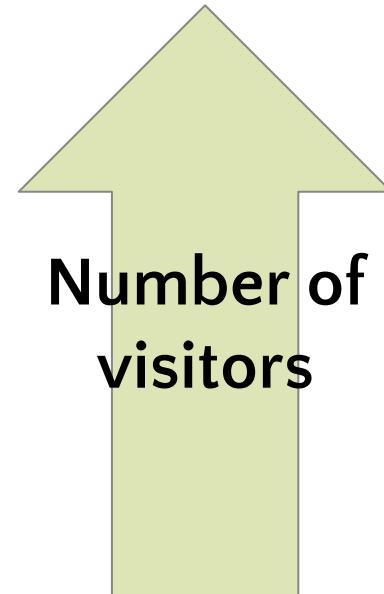
Conclusion

- BC population growth

- Increasing population, but uncertain growth rates

- Climate change

- Rising temperatures
 - More precipitation





What does this mean for these parks?

More visitors as time progresses

More movement in some species

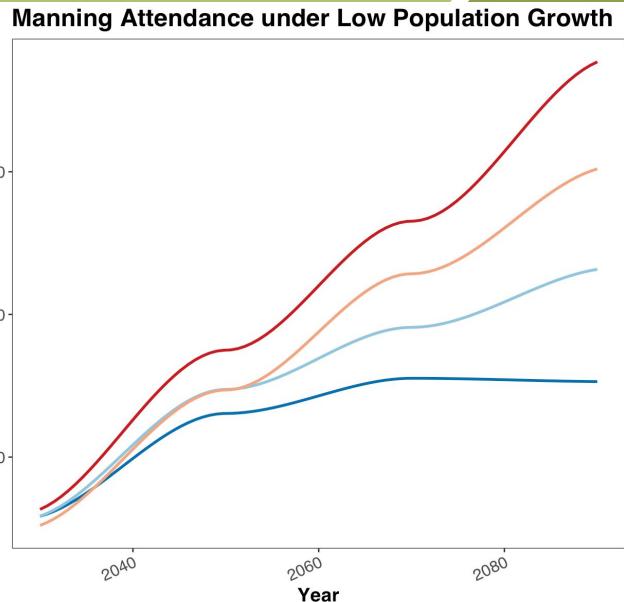
Potentially more human-wildlife conflict

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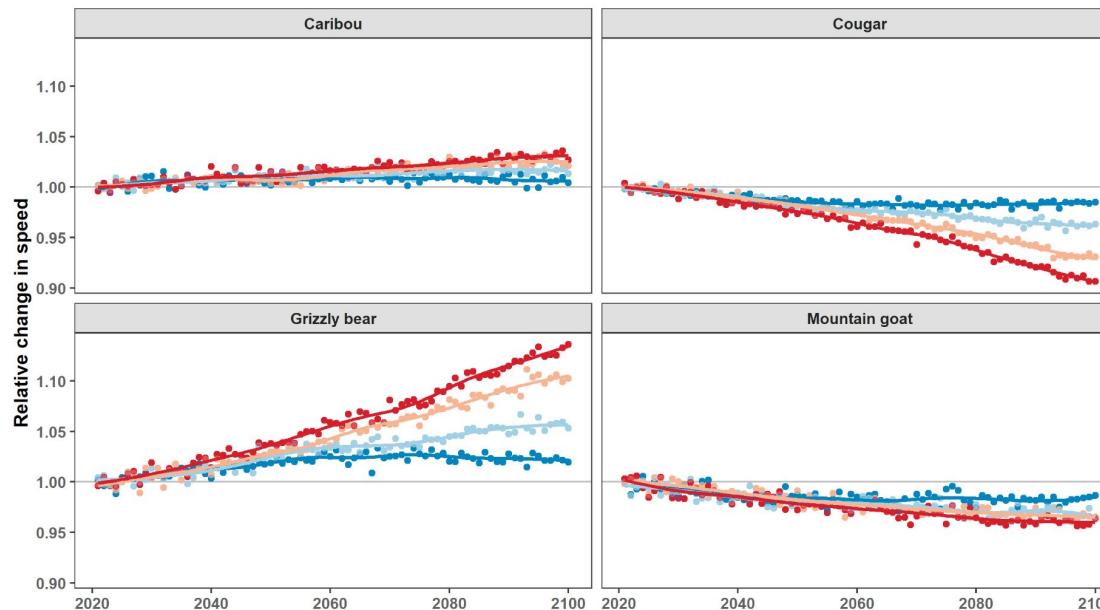


What does this mean for these parks?

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Thank you



OKANAGAN



BRITISH
COLUMBIA

BC Parks



NSERC
CRSNG

INNOVATION
Canada Foundation
for Innovation

Fondation canadienne
pour l'innovation



Contact me at daynawes@student.ubc.ca