



City of Palm Coast
Agenda
BEAUTIFICATION AND
ENVIRONMENTAL
ADVISORY COMMITTEE

City Hall
160 Lake Avenue
Palm Coast, FL 32164
www.palmcoastgov.com

Chairman Jeffery Seib
Committee Member Edward Beier
Committee Member Robert Knapp
Committee Member Glenn Partelow

Thursday, December 5, 2019

5:00 PM

COMMUNITY WING OF CITY HALL

>In accordance with the Americans with Disabilities Act, persons needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 386-986-3713 at least 48 hours prior to the meeting.

>Public comment on issues on the agenda or public participation shall be limited to 3 minutes.

>The City of Palm Coast is not responsible for any mechanical failure of recording equipment

>All pagers and cell phones are to remain OFF during the Committee meeting.

>Other matters of concern may be discussed as determined by Committee during the meeting.

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A CALL TO ORDER AND PLEDGE OF ALLEGIANCE

B ROLL CALL

C MINUTES

1 MEETING MINUTES OF THE OCTOBER 25, 2019 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE MEETING

D OLD BUSINESS

2 MONARCH BUTTERFLY AND OTHER POLLINATORS

3 CLIMATE CHANGE AND BIRD POPULATIONS REPORT

E NEW BUSINESS

F PUBLIC PARTICIPATION

G DISCUSSION OF MATTERS NOT ON THE AGENDA

H ADJOURNMENT

City of Palm Coast, Florida Agenda Item

Agenda Date: DECEMBER 5, 2019

Department	PLANNING	Amount
Item Key	7434	Account
		#
Subject	MEETING MINUTES OF THE OCTOBER 25, 2019 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE MEETING	
Background :		
Recommended Action : Approve the minutes as presented.		



City of Palm Coast Minutes BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE

City Hall
160 Lake Avenue
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www.palmcoastgov.com

*Chairman Jeffery Seib
Committee Member Edward Beier
Committee Member Robert Knapp
Committee Member Glenn Partelow*

Thursday, October 24, 2019

5:00 PM

COMMUNITY WING OF CITY HALL

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CALL TO ORDER AND PLEDGE OF ALLEGIANCE

*Chair Seib called the October 24, 2019 Beautification and Environmental
Advisory Committee (BEAC) meeting to order at 5:00PM.*

ROLL CALL

Present and responding to roll call were:

*Chair Seib
Mr. Partelow
Mr. Beier
Mr. Knapp*

City Staff present were:

*Beth Dawson, City Landscape Architect
Jordan Myers, Environmental Planning Technician*

MINUTES

1 MEETING MINUTES OF THE SEPTEMBER 26, 2019 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE

Pass

Motion made to approve as presented made by Committee Member Knapp and seconded by Committee Member Beier

Approved - 4 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp

OLD BUSINESS

2 FINAL REVIEW OF THE CLIMATE CHANGE AND SEA RISE LETTER

Chair Seib introduced this item and presented the final format of the memorandum for the review of the BEAC members.

Pass

Motion made to approve as presented made by Committee Member Knapp and seconded by Committee Member Beier

Approved - 4 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp

3 REVIEW OF EAGLE IN FLIGHT ART DONATION

Chair Seib moved this item to the second position on the agenda. Mr. Ron Wallace, a local artist, was introduced to the BEAC members by Chair Seib. Mr. Wallace spoke about himself and his artwork, Eagle in Flight.

Ms. Dawson informed the BEAC members that the Parks Team did review the art work and they suggested the artwork be placed at the Long Creek Nature preserve when that facility is completed. Also the Parks Team suggested City Hall (2nd floor) and/or Fire Station #25 for this artwork, as alternate locations. Ms. Dawson walked through the steps of approval of artwork for the members.

Mr. Wallace explained that the Eagle in Flight is made of wood with a steel frame and indicated that the artwork would need to be placed inside.

Pass

Motion made to approve the Eagle in Flight artwork donated to the City of Palm Coast by Mr. Ron Wallace would be accepted and the first preference for choice of location would be the 2nd floor at City Hall made by Committee Member Knapp and seconded by Committee Member Partelow

Approved - 4 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp

4 UPDATE ON MONARCH CITY USA WITH THE PALM COAST GARDEN CLUB

Chair Seib introduced Ms. Kathy Reichard-Ellarsky, member of the Palm Coast Historical Society, spoke to the BEAC members about partnering with the City and the Palm Coast Garden Club on moving forward with the City's Monarch City launch.

Ms. Dawson discussed various loctions that are being considered for the Monarch gardens within the City. Ms. Reichard-Ellarsky clarified that one location that would be beneficial for the Palm Coast Historical Society would be near the Garfield Turtle installation located at the Palm Coast Historical Society building in Holland Park.

Discussion of the upcoming Garfield Turtle dedication on October 26, 2019 at the Palm Coast Historical Society ensued.

Received and Filed

NEW BUSINESS

5 FPL EVOLUTION PROGRAM

Ms. Jordan Myers gave a presentation on this agenda item and it is attached to these minutes. Discussion ensued about the proposed locations for the charging stations and their convenience, specifically 1 charging station at the Community Center and 2 charging stations at Holland Park. Discussion for the need for additional parking at the Community Center in general and that the new charging stations requires 1 parking space each took place.

Pass

Motion made to approve as presented made by Committee Member Beier and seconded by Committee Member Partelow

Approved - 4 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp

6 DISCUSSION OF PALM COAST PARK DEVELOPMENT OF REGIONAL IMPACT (DRI) ENVIRONMENTAL

Chair Seib introduced this item, its location and a brief history regarding the 185 acres of wetlands involved in this development.

Chair Seib also addressed the Hulett Swamp which is enclosed within the Palm Coast Park development area and its importance of the buffering system in the

wetland systems of the area. An aerial presentation was made to clarify the location of the Hulett Swamp.

Ms. Myers clarified for the members that the zoning area is conservation not wetlands, in reference to a comment made by Chair Seib. Also she clarified for the members that the City's Land Development Code (LDC) calls for an average of a 25 foot buffer around a wetland and that this standard is consistent with St. John's River Water Management District and the Army Corps of Engineers. She also clarified for the BEAC members, by reading from the LDC, the definition for optimal, low quality and moderate wetlands buffering standards. She also stated that the Palm Coast Park Development Order states that it is consistent with the LDC. She also clarified that the Uniform Mitigation Assessment Method (UMAM) is the scoring system used to determine the quality of a wetland. Ms. Myers clarified that the 185 acres of wetlands per the development order will not change and that it has a significant buffer. Ms. Myers clarified that an environmentalist would have to go out to Hulett Swamp to rate the wetlands as they have not yet been rated.

Ms. Myers informed the BEAC members about enforcement of conservation easements for the Palm Coast Park subdivisions.

Received and Filed

PUBLIC PARTICIPATION

Chair Seib introduced Ms. Robbyn Mackler who was in the audience and who also applied for the open BEAC position. Chair Seib addressed Ms. Mackler as the only person in the audience at 6:23PM and seeing no one else he closed the meeting to public comment at 6:24PM.

DISCUSSION OF MATTERS NOT ON THE AGENDA

Mr. Beier requested that Ms. Mackler addressed the BEAC about Monarch butterflies. Mr. Seib mentioned that he would bring in an expert for the next meeting to speak about the needs of a Monarch butterfly garden.

ADJOURNMENT

Motion made that the meeting be adjourned by Mr. Partelow and the motion was seconded by Mr. Knapp. The meeting was adjourned at 6:27PM.

Respectfully Submitted by:
Irene Schaefer, Recording Secretary

City of Palm Coast, Florida Agenda Item

Agenda Date: DECEMBER 5, 2019

Department	PLANNING	Amount
Item Key	7443	Account
		#
Subject	MONARCH BUTTERFLY AND OTHER POLLINATORS	
Background : Chair Seib has invited Master Gardener Mr. PM Reddy to give a presentation on Monarch butterflies as it relates to the BEAC members' previous discussion about the City of Palm Coast becoming a Monarch City.		
Recommended Action : Presentation purposes only		

City of Palm Coast, Florida Agenda Item

Agenda Date: DECEMBER 5, 2019

Department	PLANNING	Amount
Item Key	7444	Account
		#
Subject	CLIMATE CHANGE AND BIRD POPULATIONS REPORT	
Background :	Chair Seib will provide an update on the BEAC members' earlier discussions regarding climate change.	
Recommended Action :	Presentation purposes only.	

Update on New and Related Studies On Climate Change, Public Attitudes, and Environmental Effects

Yale University School of Public Policy,
International Panel on Climate Change
(IPCC), Cornell University School of
Ornithology and the EPA

Climate Change in the American Mind

- A series of surveys conducted by Yale University and George Mason University, April 2019
- Examines the American public's views on climate change

POLL SUMMARY

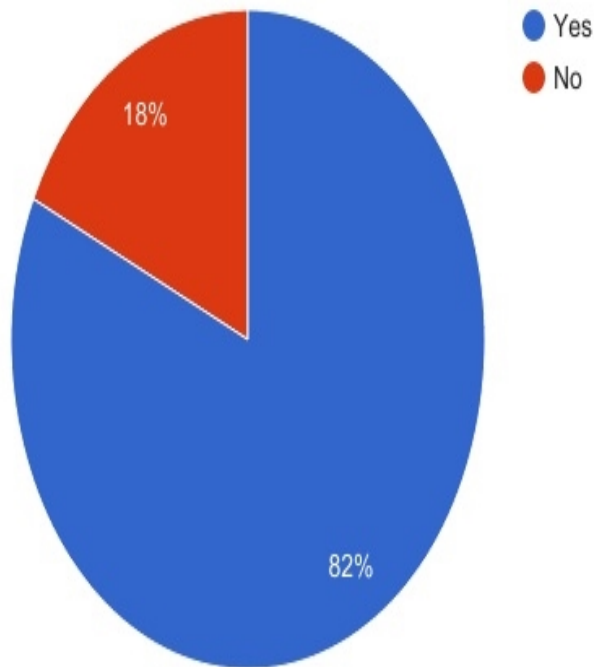
- • About seven in ten Americans (69%) think global warming is happening.
- Only about one in six Americans (16%) think global warming is not happening. warming is happening
- • Many Americans are certain that global warming is happening; 46% are “extremely” or “very” sure it is happening.
- By contrast, far fewer (8%) are “extremely” or “very sure” global warming is not happening.
- • A majority of Americans (55%) understand that global warming is mostly human-caused.
- By contrast, only about one in three (32%) think it is due mostly to natural changes in the environment.

Summary Continued

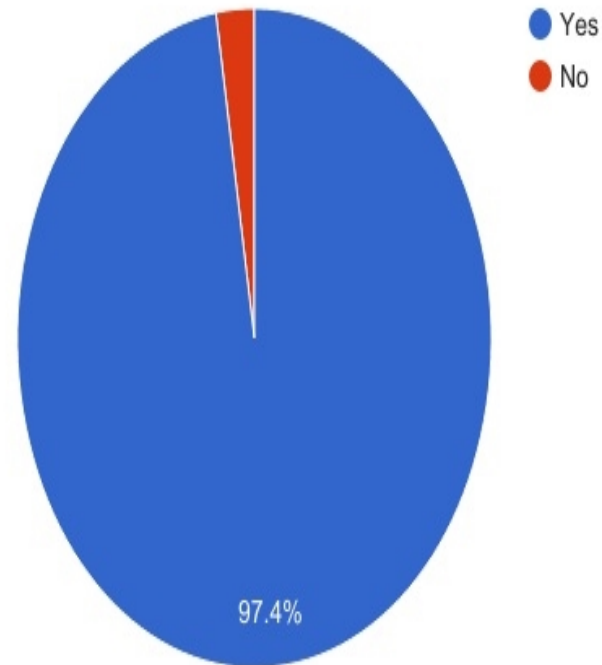
- • More than half of Americans (53%) understand that most scientists think global warming is happening.
- However, only about one in six (17%) understand how strong the level of consensus among scientists is (i.e.,
 - that more than 90% of climate scientists think human-caused global warming is happening).
- • About six in ten Americans (62%) say they are at least “somewhat worried” about global warming. More than
 - one in five (23%) are “very worried” about it.
- • About four in ten Americans (38%) think people in the United States are being harmed by global warming

Scientists in different fields view on/if climate change is due to human factors

3,146 earth scientists



77 climatologists actively engaged in research



IPCC Climate Change Report

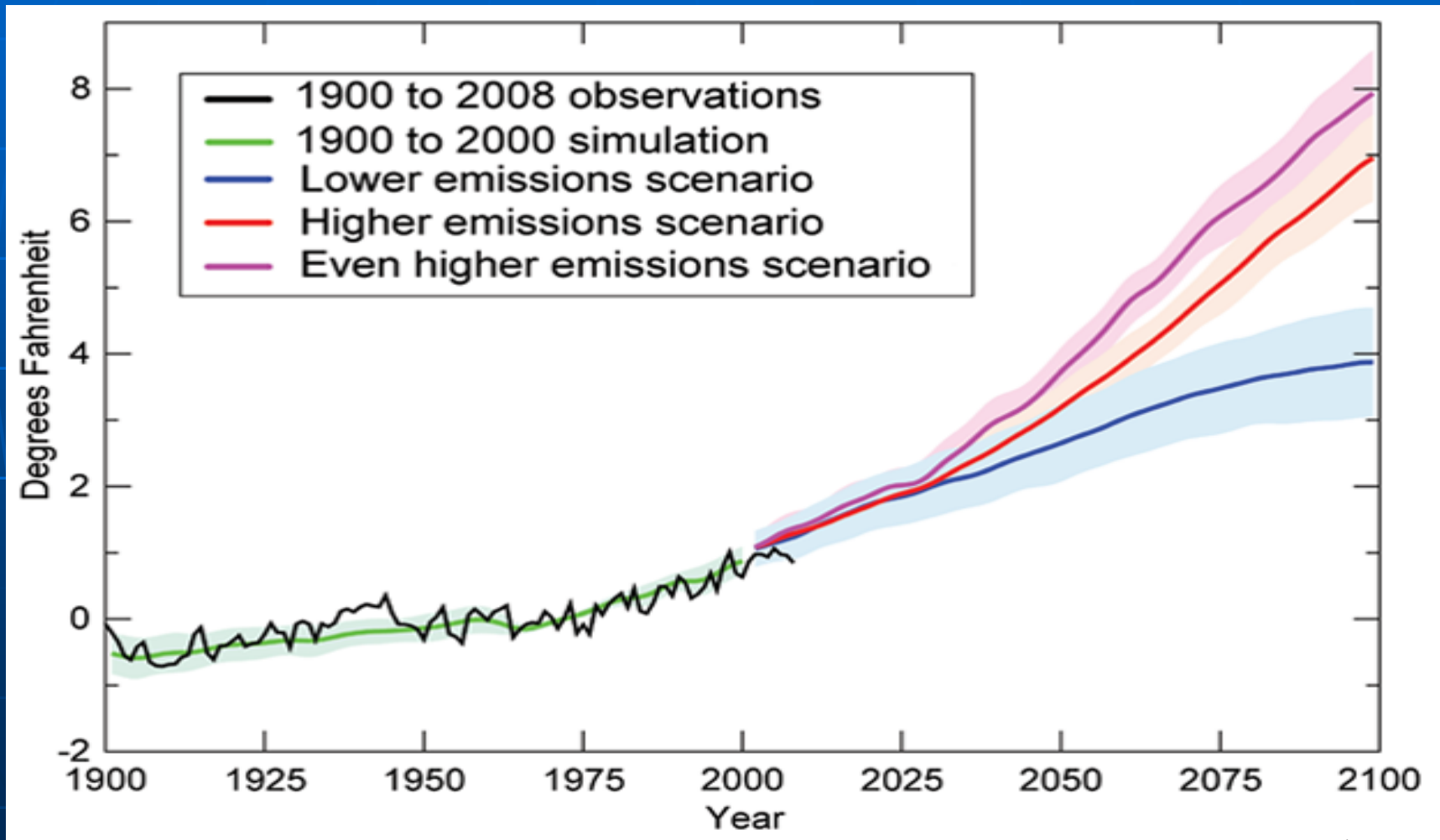
- Human activities are estimated to have caused approximately 1.0°C (1.8 degrees F) of global warming above pre-industrial levels, with a *likely* range of 0.8°C to 1.2°C. Global warming is *likely* to reach 1.5°C (2.7 degrees F) between 2030 and 2052 if it continues to increase at the current rate.

IPCC Climate Change Report

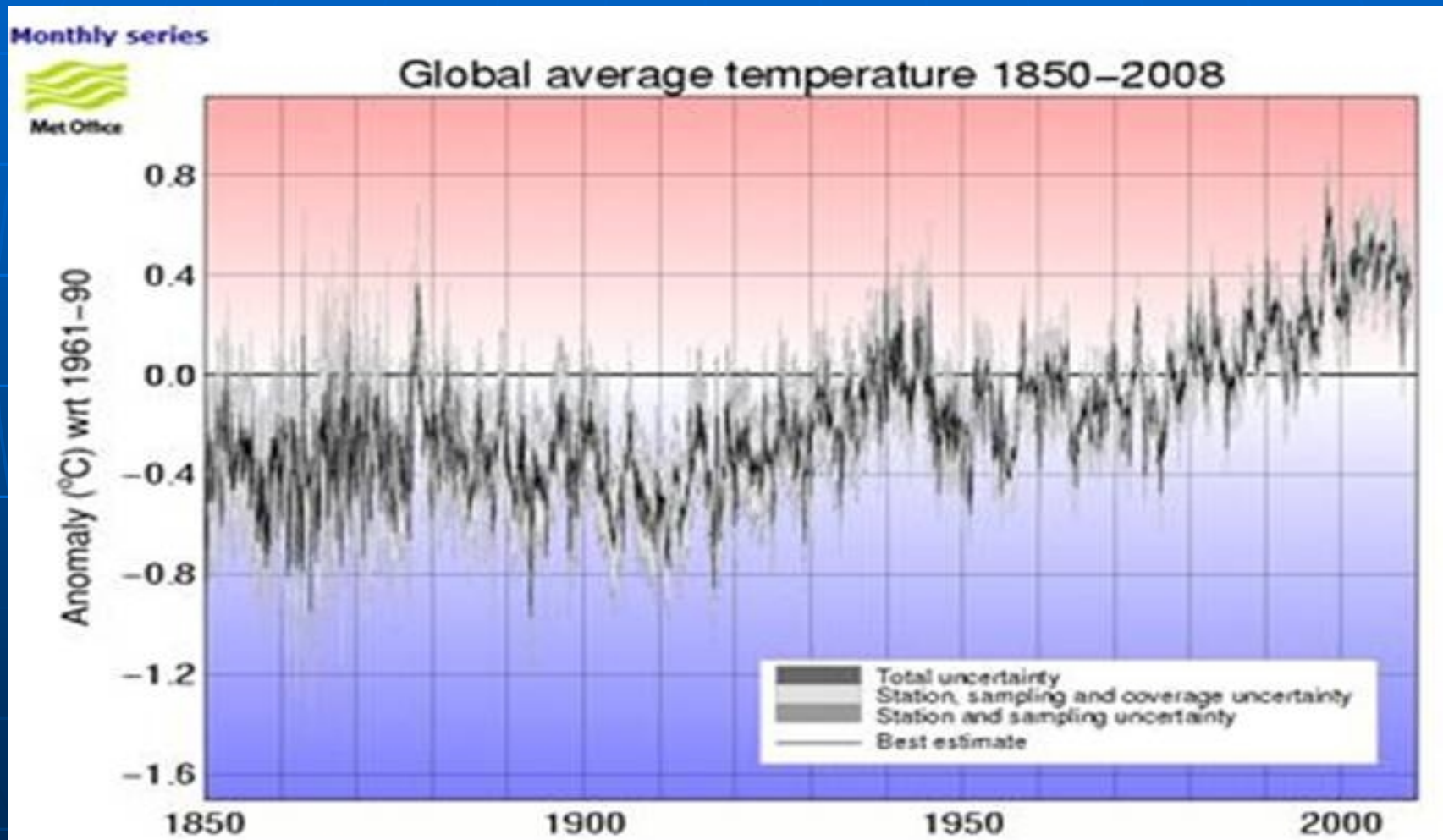
- **On land, impacts on biodiversity and ecosystems, including species loss and extinction, are projected to be lower at 1.5°C of global warming compared to 2°C. Limiting global warming to 1.5°C compared to 2°C is projected to lower the impacts on terrestrial, freshwater and coastal ecosystems and to retain more of their services to humans (*high confidence*).**
- Of 105,000 species studied, 6% of insects, 8% of plants and 4% of vertebrates are projected to lose over half of their climatically determined geographic range for global warming of 1.5°C, compared with 18% of insects, 16% of plants and 8% of vertebrates for global warming of 2°C (medium confidence).

Impacts associated with other biodiversity-related risks such as forest fires and the spread of invasive species are lower at 1.5°C compared to 2°C of global warming (high confidence).

Global Temperature Predictions



Global Temperature Average



New information on 'Superfund' sites affected by climate change and sea level rise

- A superfund site is an area where hazardous wastes or toxic materials have accumulated or been deposited and now our tax dollars in a super fund are cleaning up.
- Gainesville Florida has the former Coppers telephone pole Creosote plant as a superfund site polluting 'Hogtown Creek'.

Superfund sites continued

- The EPA study shows that 60% of polluted sites at 'at risk' of flooding from sea level rise or more intense Hurricane storm surge.
- Hurricane Harvey flooded more than a dozen sites in the Houston area.
- More than two million people in the U.S. live within a mile of 327 sites in areas prone to flooding.

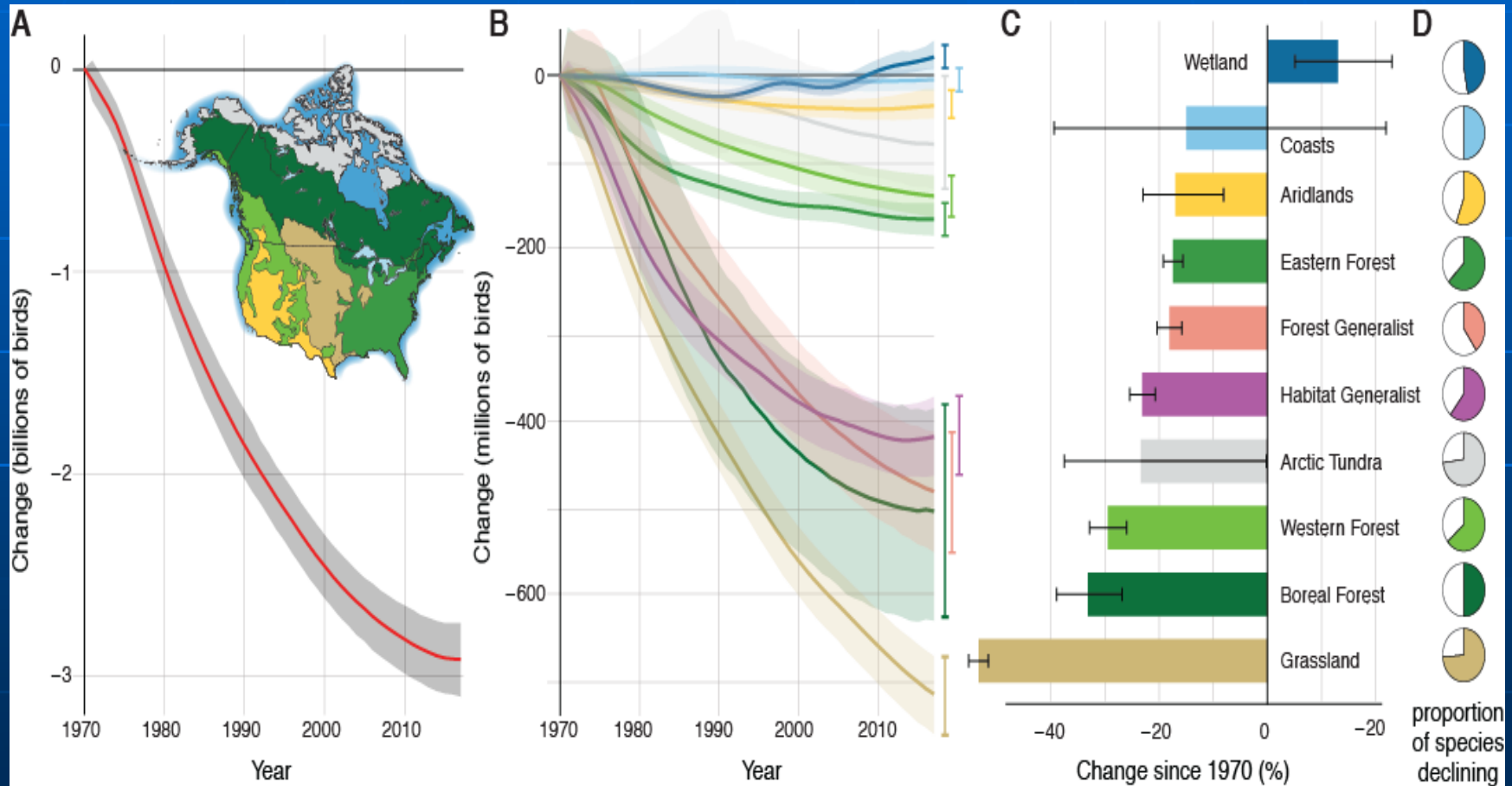
Cornell University School of Ornithology Major Report

- Study examines the time period from 1970 to present
- Consists of analyzing all bird data nationwide on bird migrations, wintering, and breeding populations
- Tracks of weather radar data that show the large movements in fall and spring

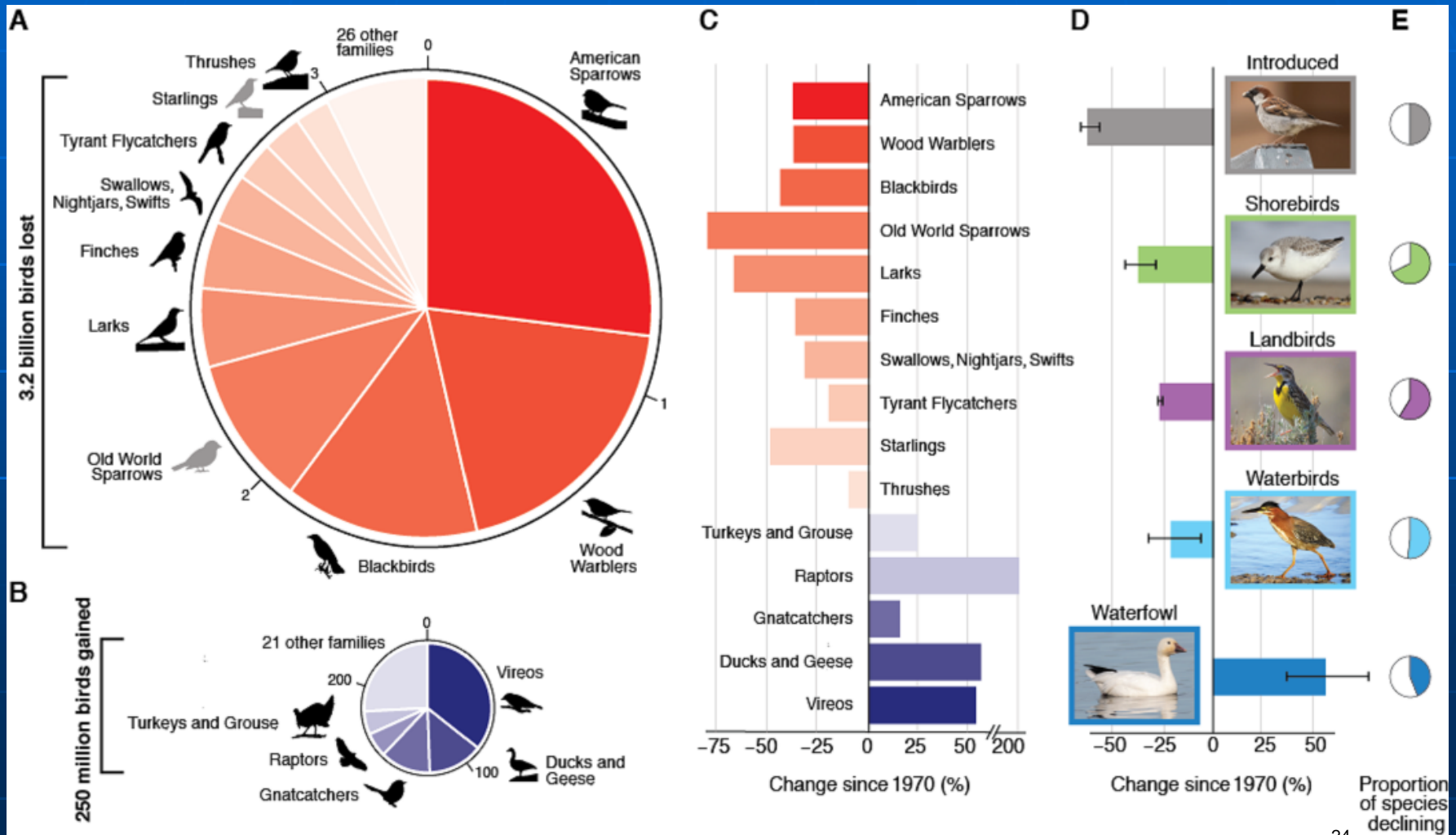
Summary of Cornell Study on Bird Losses

- Species extinctions have defined the global biodiversity crisis, but extinction begins with loss in abundance of individuals that can result in compositional and functional changes of ecosystems.
- This decline is occurring across much of the North American avifauna over 48 years, including once common species and from most biomes showing a net loss approaching 3 billion birds, or 29% of 1970 abundance.
- This loss of bird abundance signals an urgent need to address threats to avert future avifaunal collapse and associated loss of ecosystem integrity, function and services.
- **One Sentence Summary:** Cumulative loss of nearly three billion birds since 1970, across most North American biomes, signals a pervasive and ongoing avifaunal crisis.

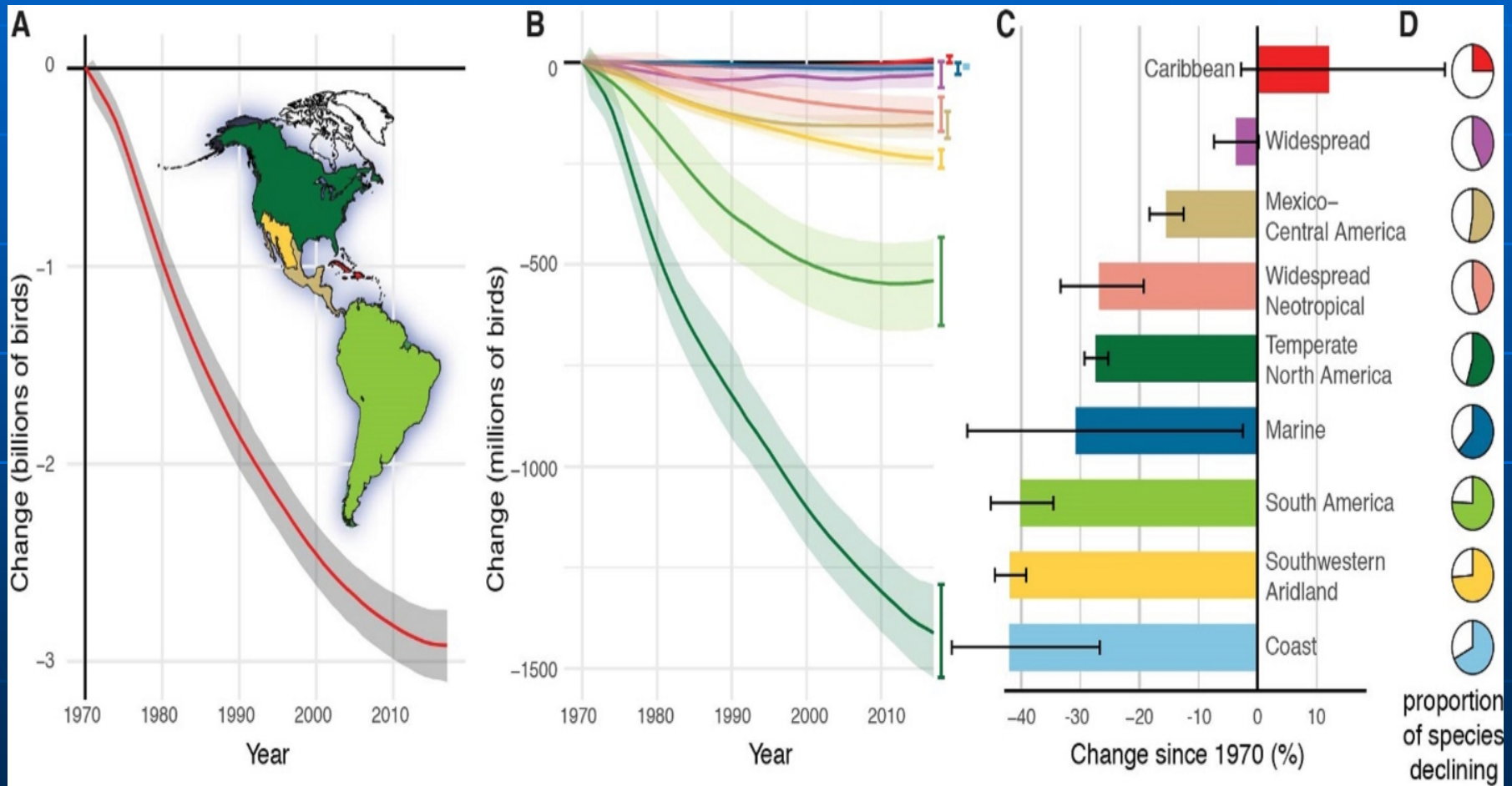
BIRD POPULATION LOSSES SINCE 1970 IN NORTH AMERICA



BIRD LOSSES BY SPECIES



North American Migratory Bird Losses



Conclusions

- The world is rapidly warming due to the 'greenhouse effect' of atmospheric gases
- Possible catastrophic effects if 2.0 degrees Celsius reached by 2050
- People are beginning to understand that it is happening not sometime in the future but right now.
- Polluted superfund sites endangered by climate change
- Birds are the "canary in the coalmine" as indicators of environmental dangers ahead unless?