

NATIONAL
GEOGRAPHIC



National Parks



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The background of the slide is a map of Afghanistan. It features several National Geographic overlays: a green circular pattern in the upper left, a colorful topographic map of the western region, and a detailed map of the mountainous area around Mount Everest in the lower left. The title text is overlaid on the right side of the map.

National Parks National Geographic



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National Parks National Geographic National Priorities



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I'll talk about...

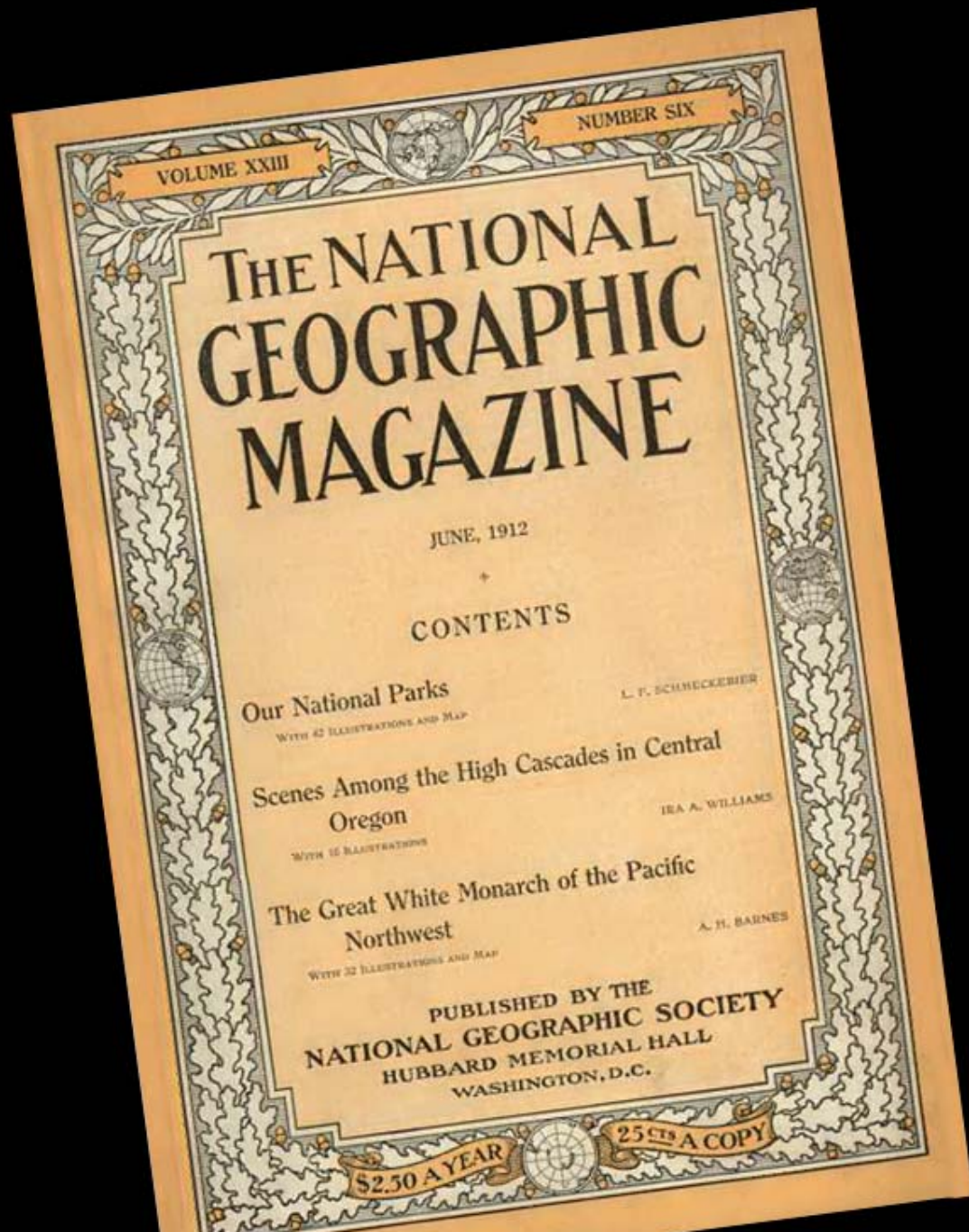
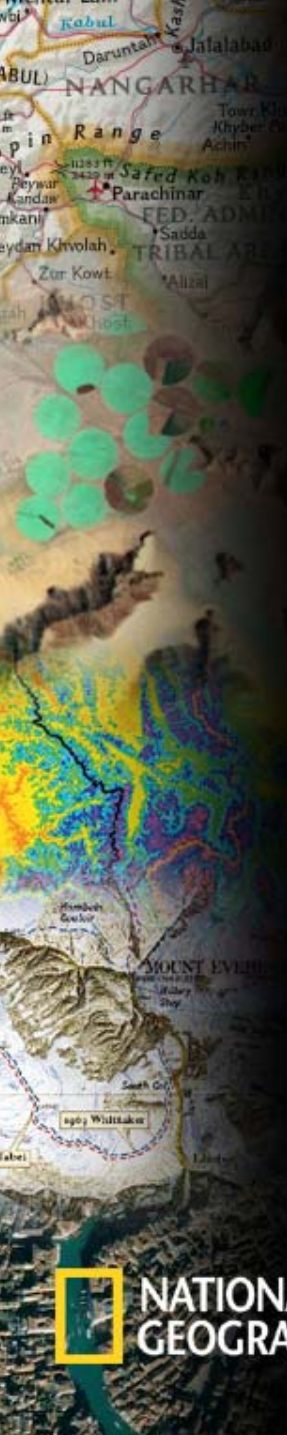
Past:
94 years of NGS-NPS collaboration

Present:
A happily entangled alliance

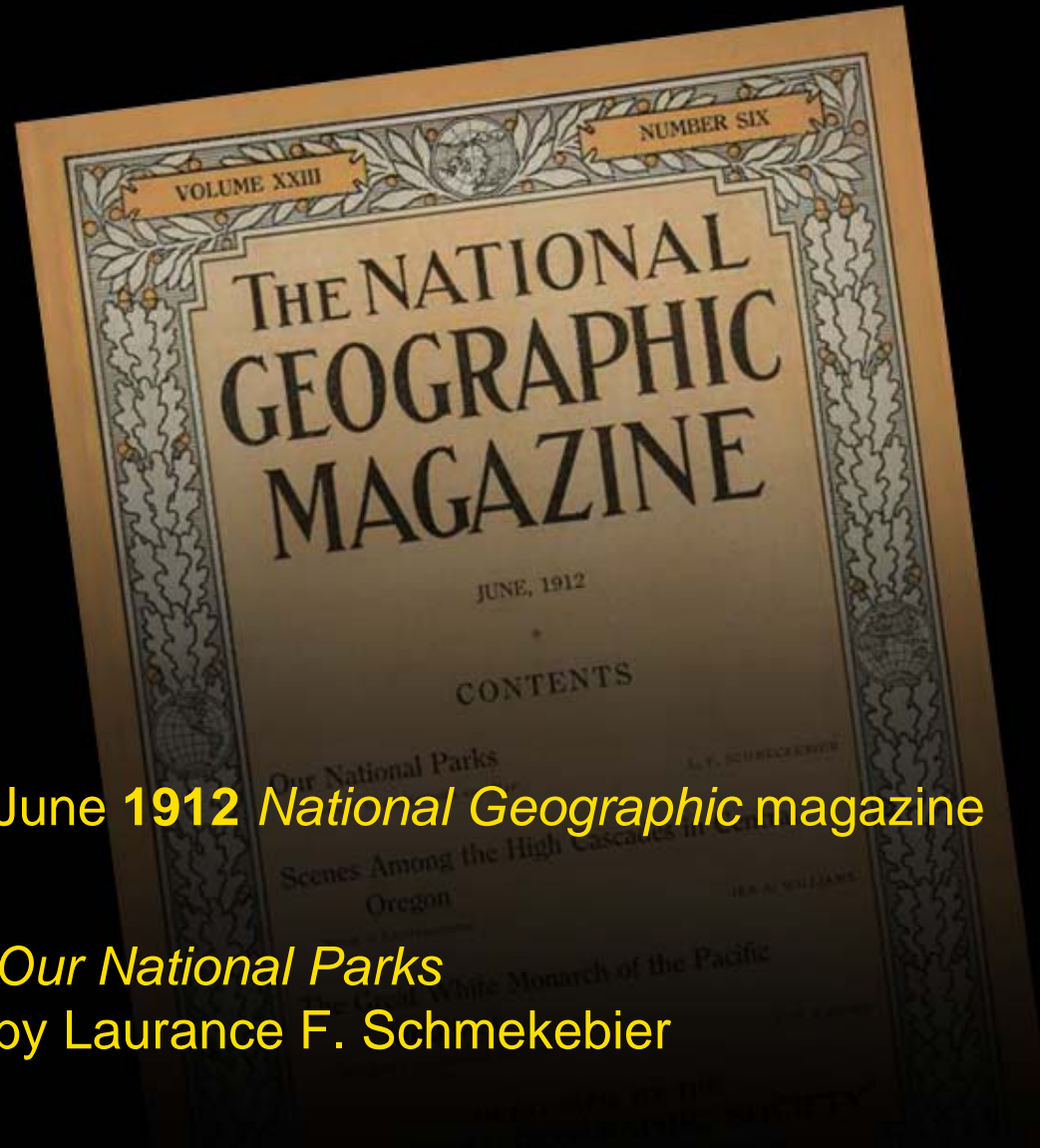
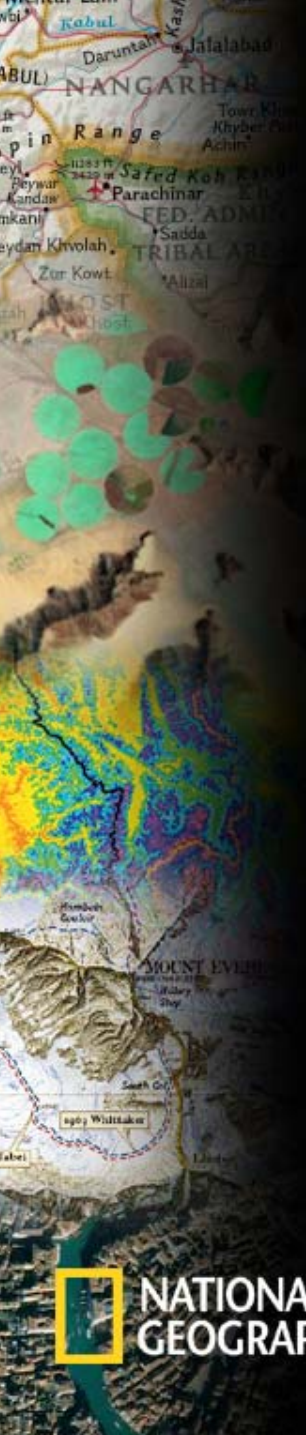
Potential:
New technology, new opportunity

National Geographic and NPS: a history of collaboration



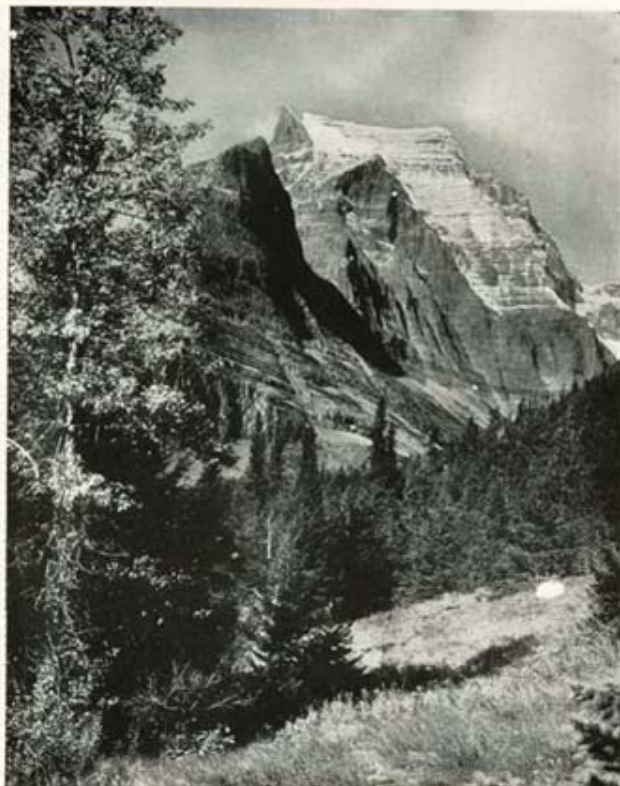


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June 1912 *National Geographic* magazine

Our National Parks
by Laurance F. Schmekebieer



Copyright, 1911, by Kinet Photo Co., for Great Northern Railway

GOING-TO-THE-SUN MOUNTAIN; GLACIER NATIONAL PARK

and seethed in its efforts to find an outlet, for Crater Lake is all that remains of a great volcano that ages ago reared its lofty summit high above the crest of the Cascade Range.

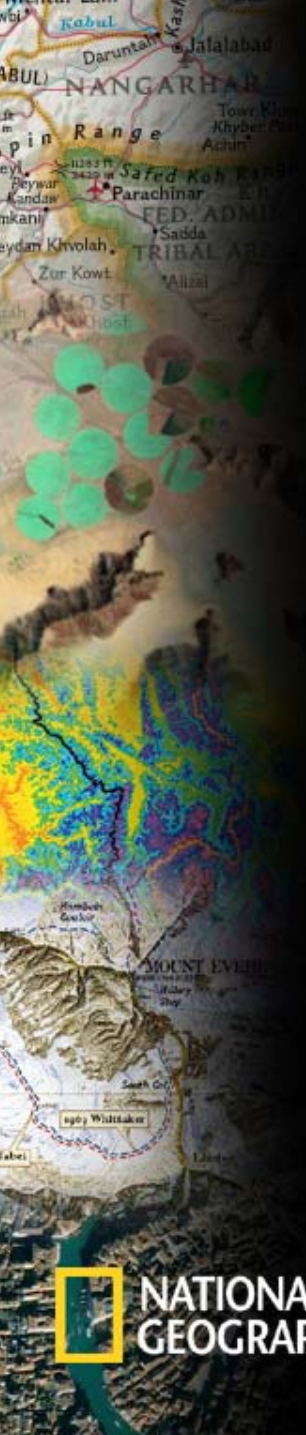
This mountain in its prime rose to a height of over 14,000 feet above the sea. Mount Scott, which towers above Crater Lake on the east, was only a minor cone on its slope. The portion of the moun-



Copyright, 1911, by Kinet Photo Co., for Great Northern Railway

LOOKING SOUTH ALONG THE EAST SIDE OF THE GARDEN WALL, SHOWING A 2,000-FOOT WATERFALL; GLACIER NATIONAL PARK





1915 Industrialist Stephen Mather, who was to become father of the Park Service, begins a long alliance with magazine editor Gilbert H. Grosvenor

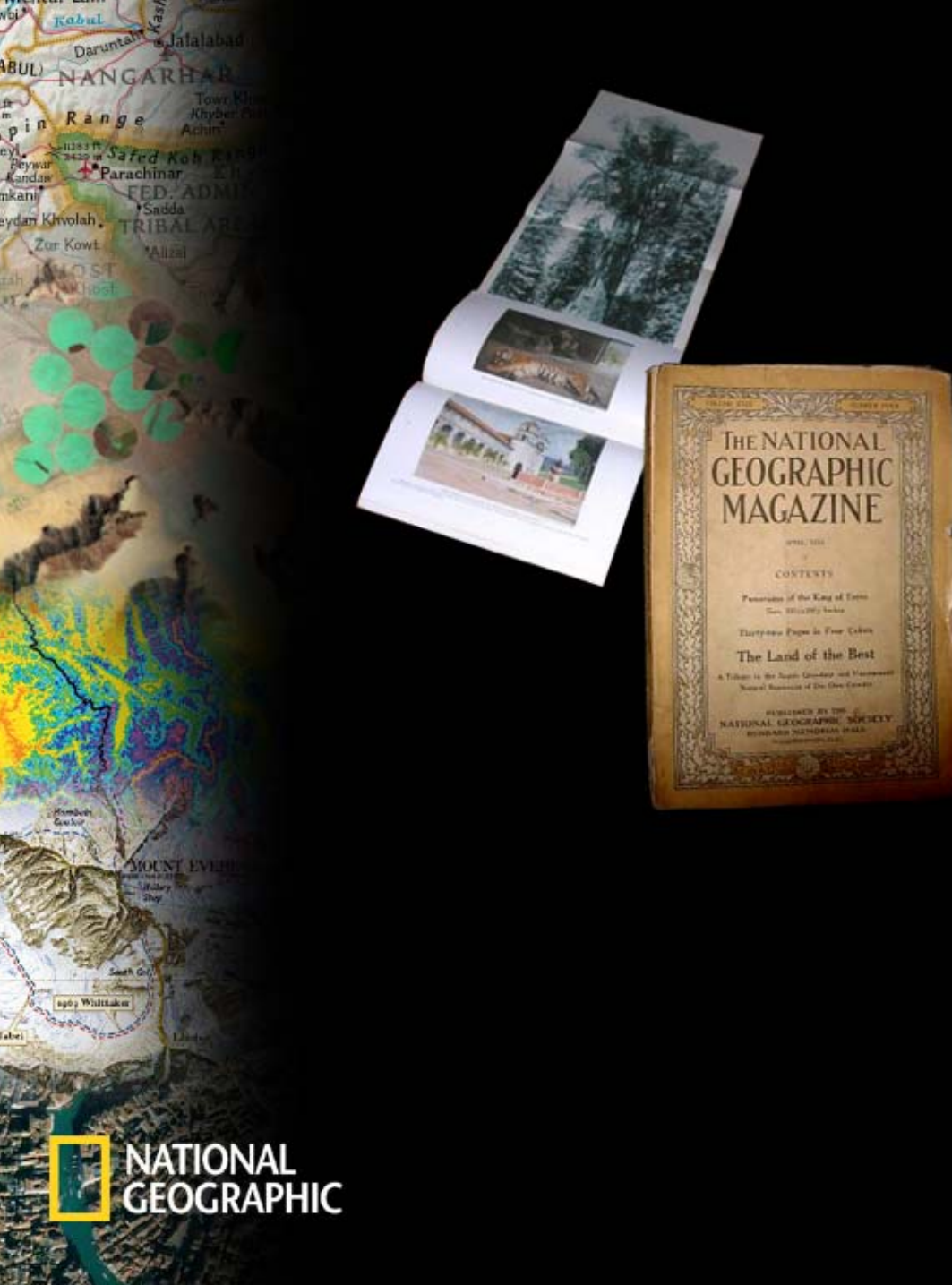


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Mather brings Grosvenor,
other journalists to Sequoia
National Park



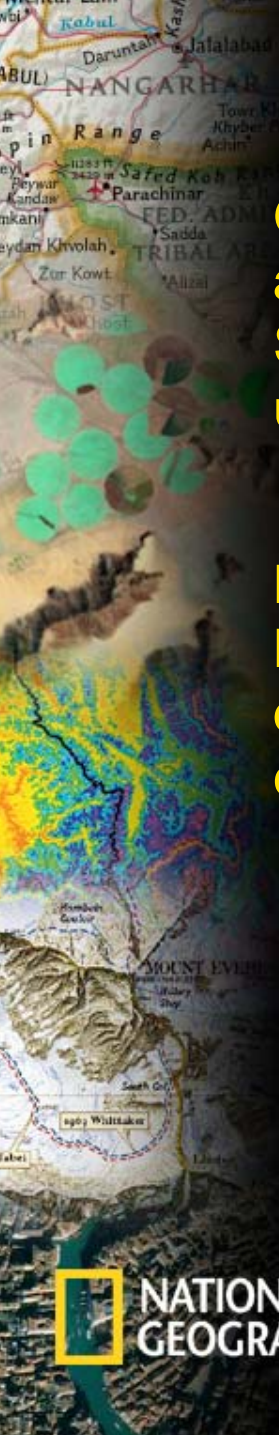
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April **1916**: *National Geographic* devotes an entire issue to “Land of the Best” —coverage of our national parks

Grosvenor helps draft the Raker-Smoot bill to establish a new National Park Service

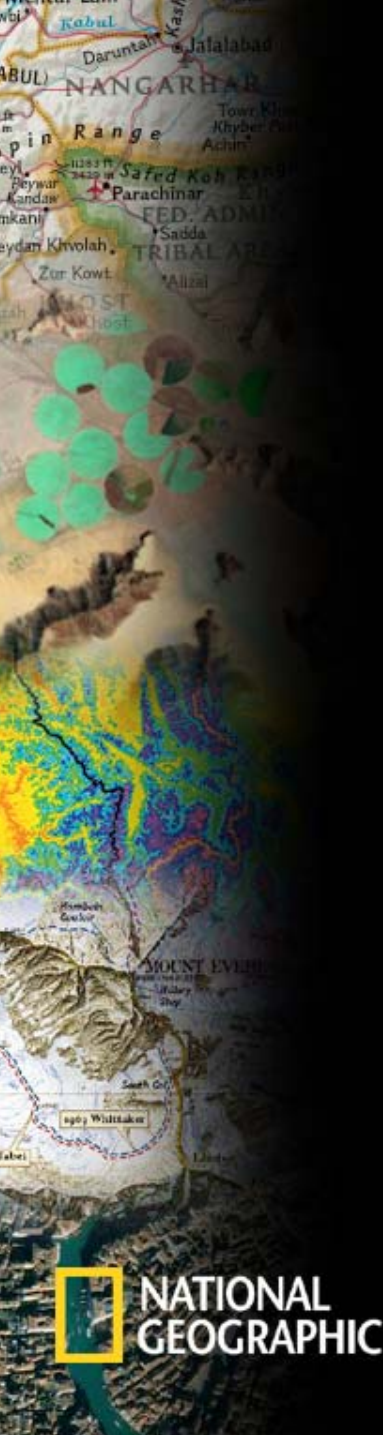
August **1916**: Woodrow Wilson signs the bill into law



Giant Forest, a key 167-acre tract in the midst of Sequoia, remains unprotected

November 1917:
National Geographic
donates \$20,000 to help
enable its purchase

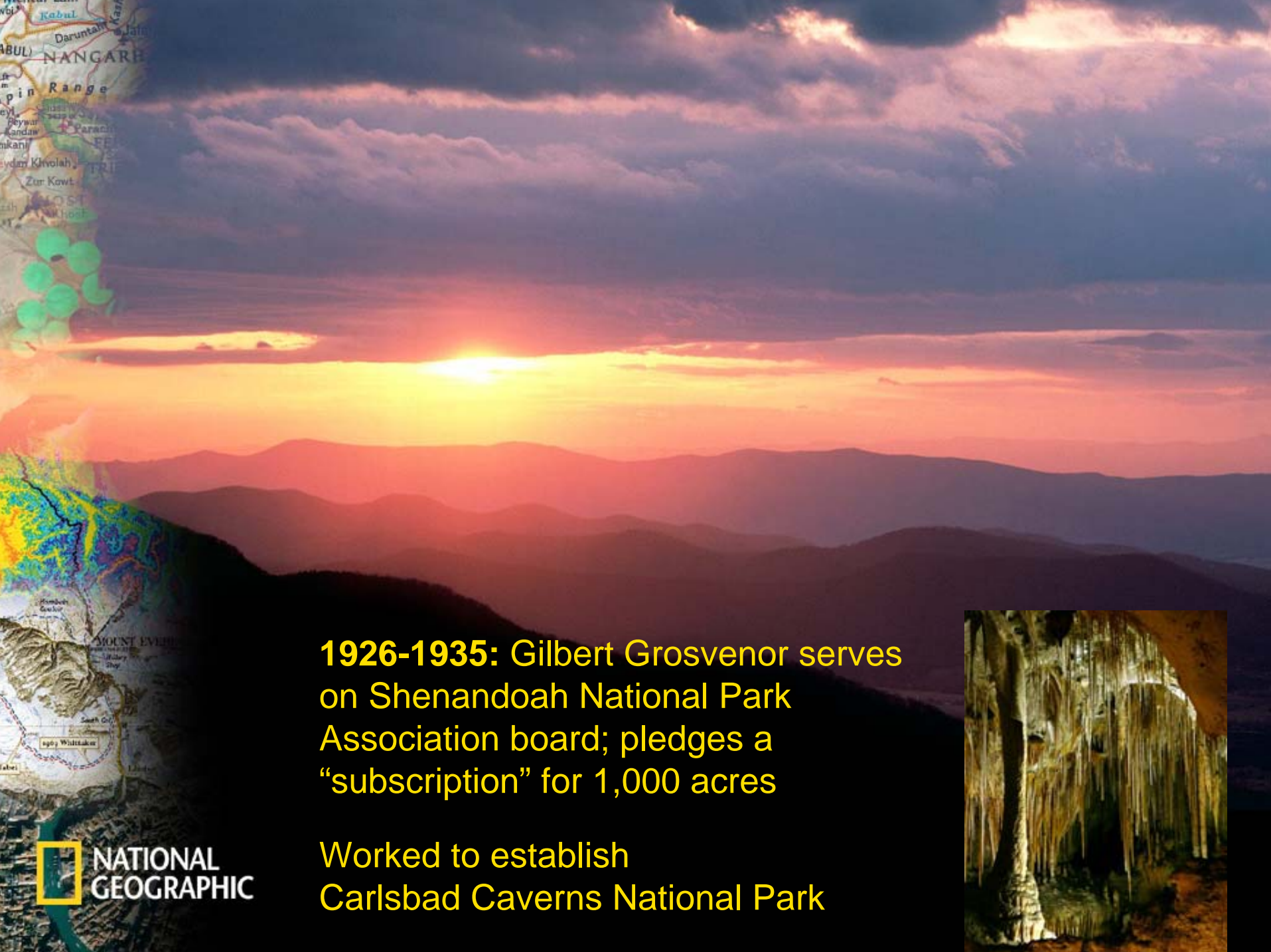




1918: Society mounts an expedition to Alaska's Katmai and Valley of 10,000 Smokes

November **1918:** Katmai National Monument is created

Today: Most of the smoke is gone!



1926-1935: Gilbert Grosvenor serves on Shenandoah National Park Association board; pledges a “subscription” for 1,000 acres

Worked to establish
Carlsbad Caverns National Park

July 1938:
Reaches of the Nation's Capital map features
Shenandoah National Park

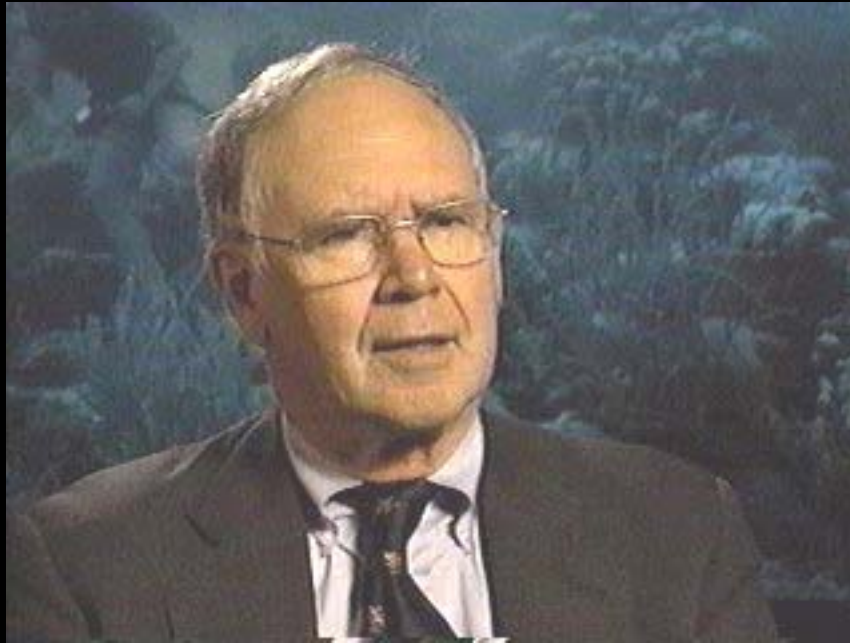


1950s: National Geographic helps establish Russell Cave National Monument and Redwood National Park





May 1958:
National Parks
map supplement



2001:

Third generation of Grosvenor dynasty
works with National Park System
Advisory Board on a report
“National Parks in the 21st Century”



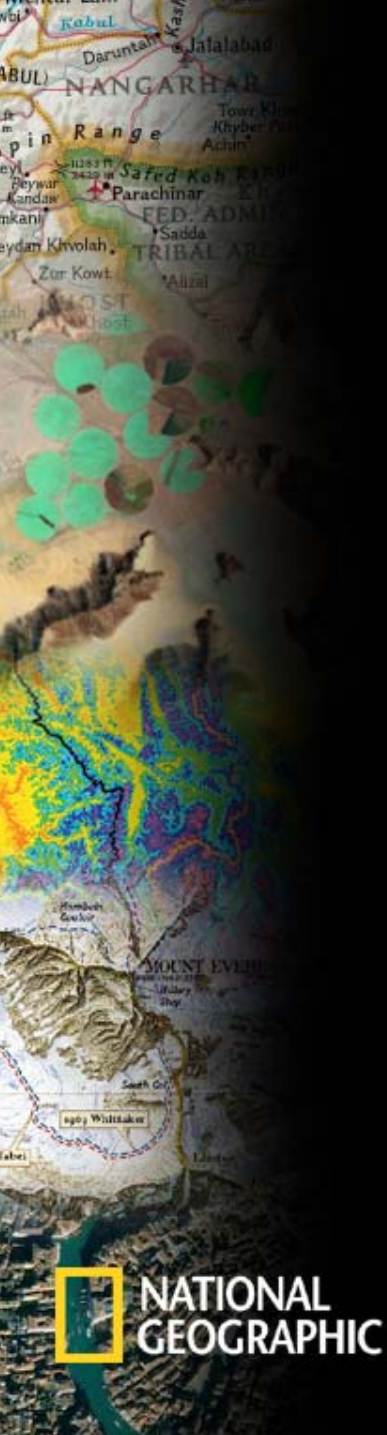
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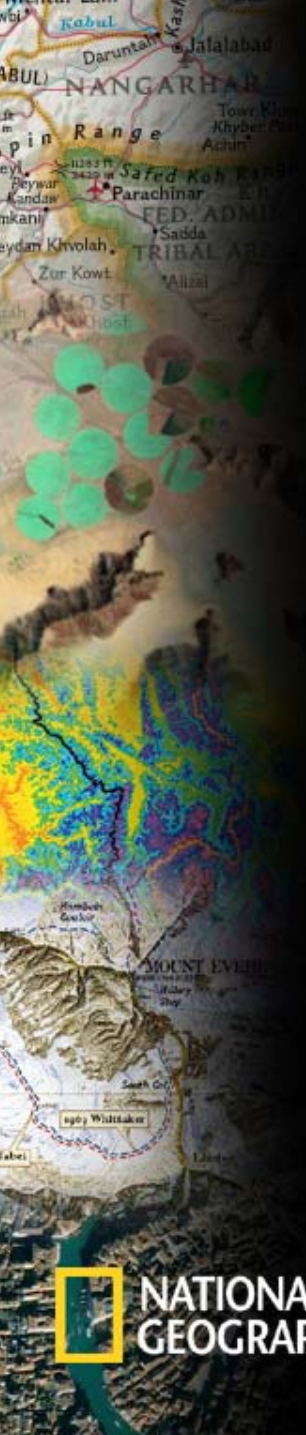
2002: National Geographic's park stewardship goes international

Through efforts of Explorer in Residence Michael Fay, Gabon protects 10% of its land in new national parks





2005:
Civil War map supplement



MAIN INTERACTIVE MAP SEARCH AND BROWSE MY SAVED MAPS EVENT OF THE DAY

MapMachine

NATIONAL GEOGRAPHIC ESRI

CIVIL WAR

Edition

Explore our interactive map of over 5,200 U.S. Civil War battlefields and historic sites. Get detailed descriptions of 384 major battlefields, and view the 25 sites most in danger of being lost.

Start by choosing complete map below.

Complete Map 1861-1865

SEARCH FOR PLACES AND EVENTS

Find a Place: (city, region, battle, skirmish, U.S. zip codes)

EVENT OF THE DAY

[More Events >>](#)

SHOP

[Purchase the "Battles of the Civil War" wall map >>](#)

EXPLORE

[Explore more than 600 Civil War locations in 32 states.](#)



Presented Online in Association With

 Civil War Preservation Trust

 National Park Service

 Powered by ESRI GIS

2005: National Geographic, National Park Service, Civil War Preservation Trust and ESRI create Civil War website



Event of the Day

August

Select a month

- | | |
|----|--|
| 1 | Federal cavalry advance from Wytheburg on a campaign to capture Little Rock, Arkansas (1863) |
| 2 | First national income tax passed by the United States Congress (1861)
Cavalry skirmish at Hancock, Maryland (1864) |
| 3 | Balloon ascension by John LaMountain at Hampton Roads, Virginia (1861) |
| 4 | Operations around Brazos Santiago, Texas (1864) |
| 5 | Engagement at Baton Rouge, Louisiana (1862)
Battle of Mobile Bay, Alabama (1864) |
| 6 | Birthday of Judah P. Benjamin, Confederate Secretary of War and—later—Confederate Secretary of State (1811)
C.S.S. <i>Arkansas</i> scuttled near Baton Rouge, Louisiana (1862)
C.S.S. <i>Tallahassee</i> departs Wilmington, North Carolina, on a three-week cruise (1864) |
| 7 | Engagement at Moorefield, West Virginia (1864) |
| 8 | Robert E. Lee offers to resign as commander of the Army of Northern Virginia (1863) |
| 9 | Battle of Cedar Mountain (Slaughter Mountain), Virginia (1862)
Confederates detonate bomb aboard ship at City Point, Virginia (1864) |
| 10 | Battle of Wilson's Creek (Oak Hill), Missouri (1861)
Affair on Nueces River, Texas (1862) |
| 11 | Confederate partisans capture Independence, Missouri (1862) |
| 12 | Confederates ambushed by Mescalero Apaches in the Big Bend country south of Fort Davis, Texas (1861) |
| 13 | Skirmish on Yellow Creek, Missouri (1862) |

SEARCH FOR MAPS

Find a Place: (city, region, battle, skirmish, U.S. zip codes)

FIND

 [SHOP OUR MAP STORE](#)



Purchase the
"Babies of the Civil
War" wall map >>

MapMachine **CIVIL WAR** Edition

Interactive Map

Select a trip:

Map Legend

SEARCH FOR MAPS

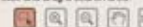
Find a Planet (or, maybe, a new planet, U.S. Zip code)

LOCATOR MAP



MAP TOOLS

Click and drag a search area



CUSTOMIZE MAP

To add a label to your map, type text in the box below and click on map to place your label.

© 1999

100

 SHOP OUR MAP STORE

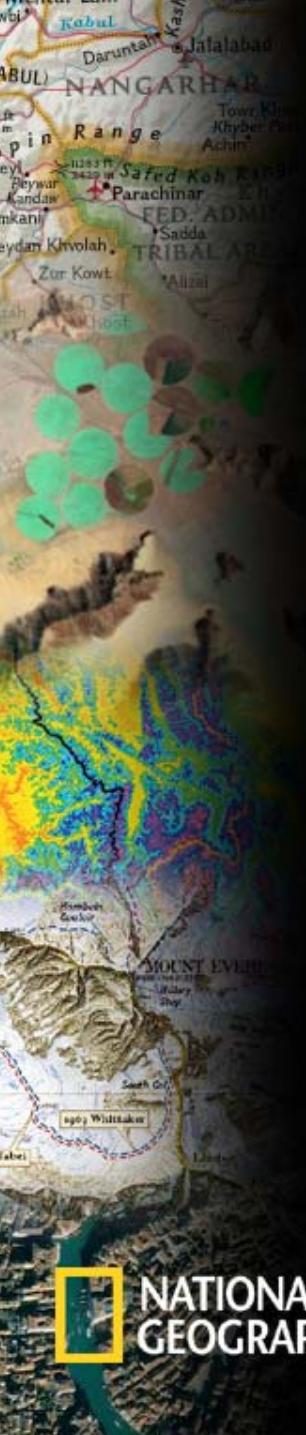
Enrich the Themes of the Civil War and more...

 TURN LAYERS ON/OFF Modern Highways and Roads

Interactive map
featuring every
significant battle
site



NATIONAL
GEOGRAPHIC



MapMachine CIVIL WAR Edition

MAIN

INTERACTIVE MAP

SEARCH AND BROWSE

MY SAVED MAPS

EVENT OF THE DAY

Interactive Map

Select a map

[Map Legend](#)

SAVE THIS VIEW

E-MAIL THIS MAP

PRINT



0 TURN LAYERS ON/OFF

☒ Modern Railroads

SEARCH FOR MAPS

Find a Place (city, region, battle, skirmish, U.S. zip codes)

FIND

LOCATOR MAP



MAP TOOLS

Click and drag a search area.



Choose this tool to activate click and drag to choose viewing area.

CUSTOMIZE MAP

To add a label to your map, type text in the box below and click on map to place your label.

Text:

CLEAR MAP

SHOP OUR MAP STORE



Purchase the 'Battle of the Civil War' map now.



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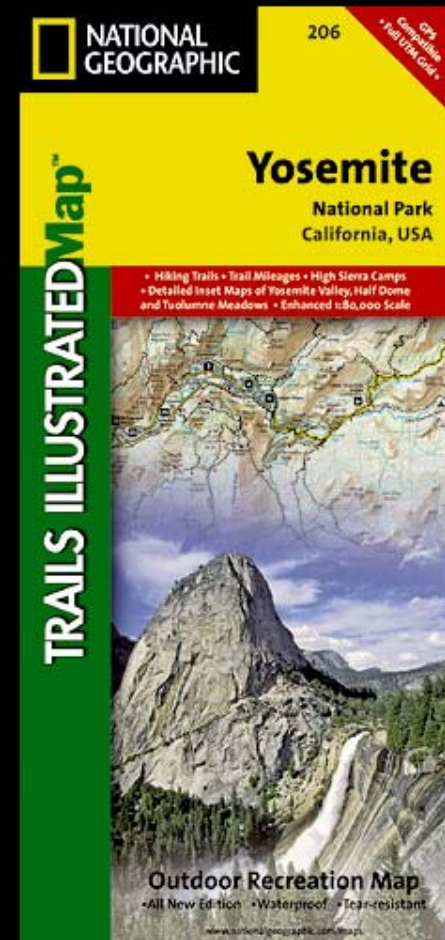
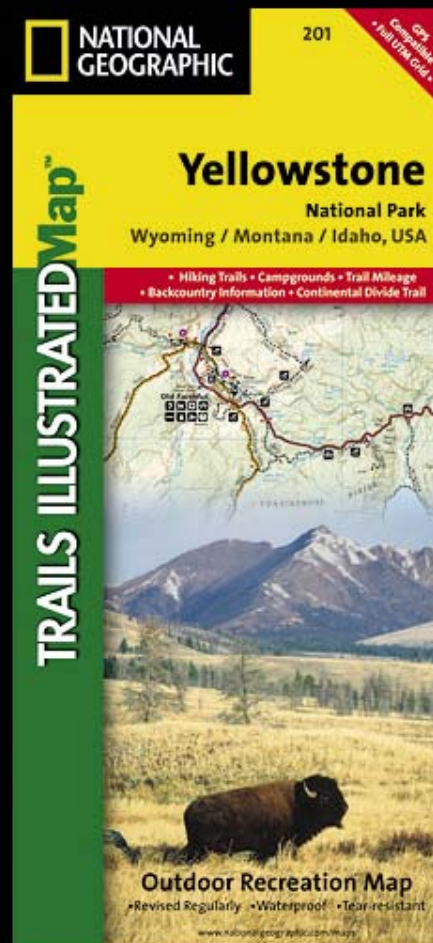
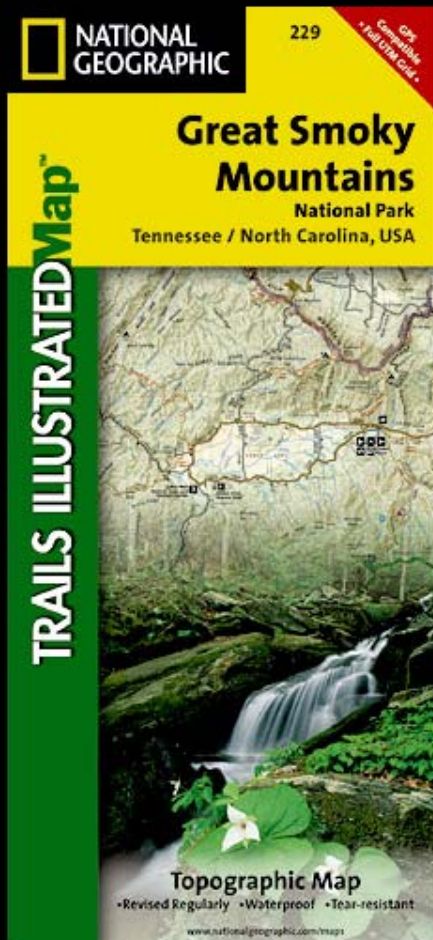
2

**National Geographic
and NPS:
The alliance continues**

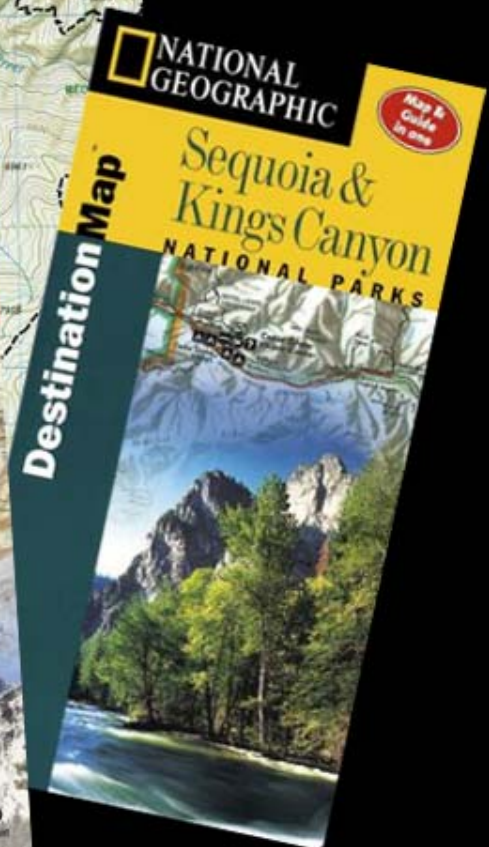
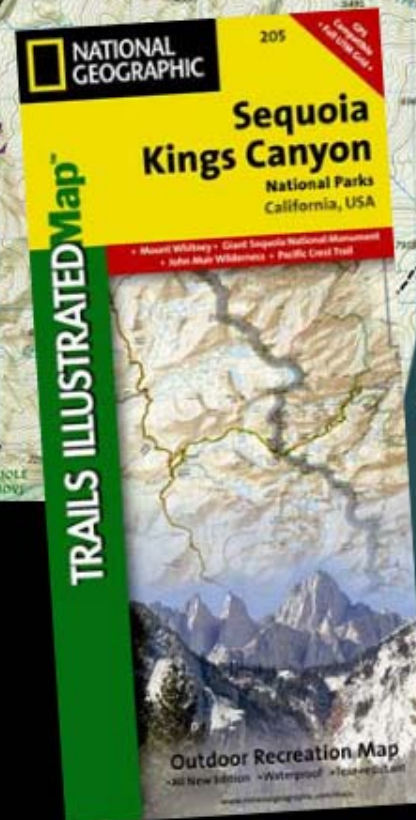
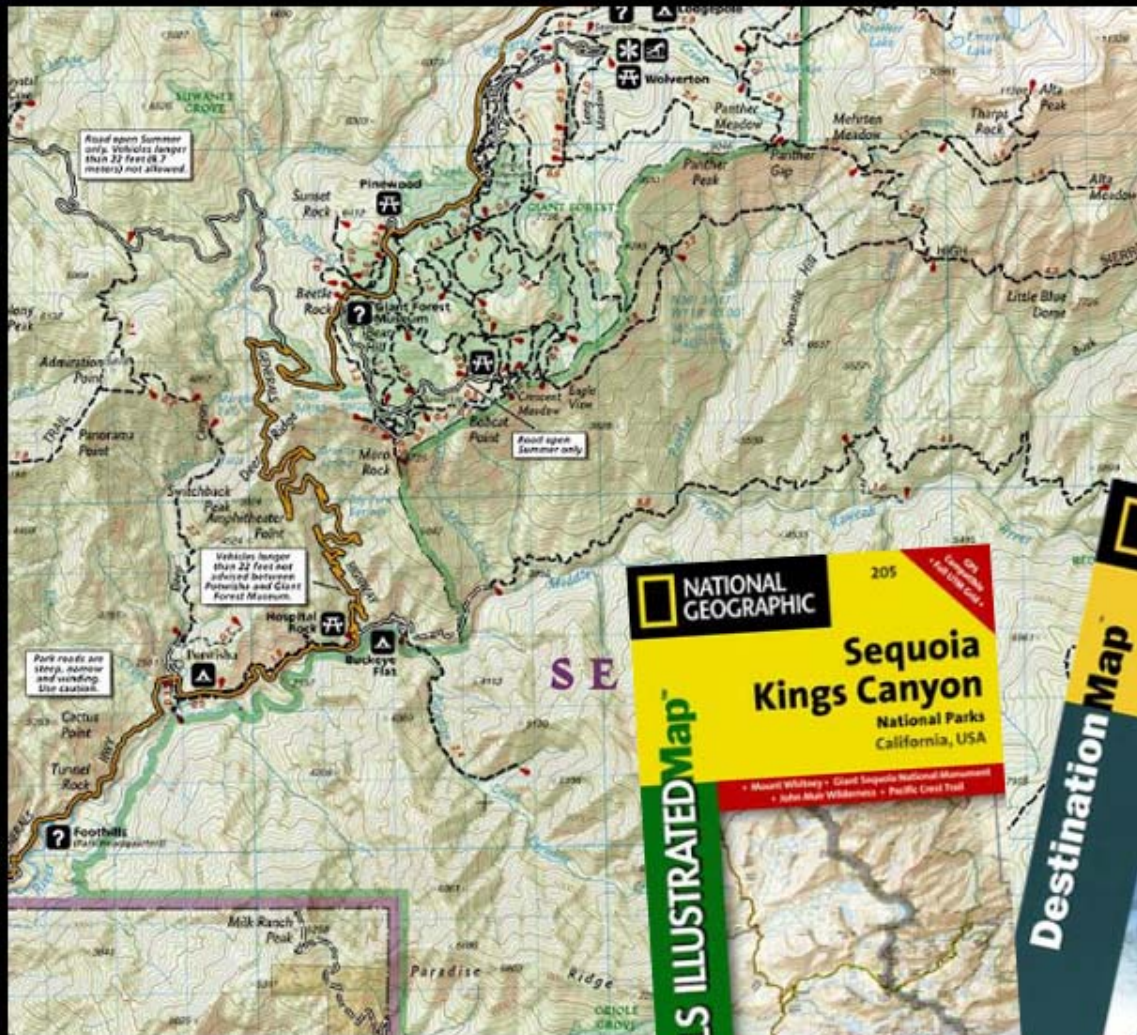
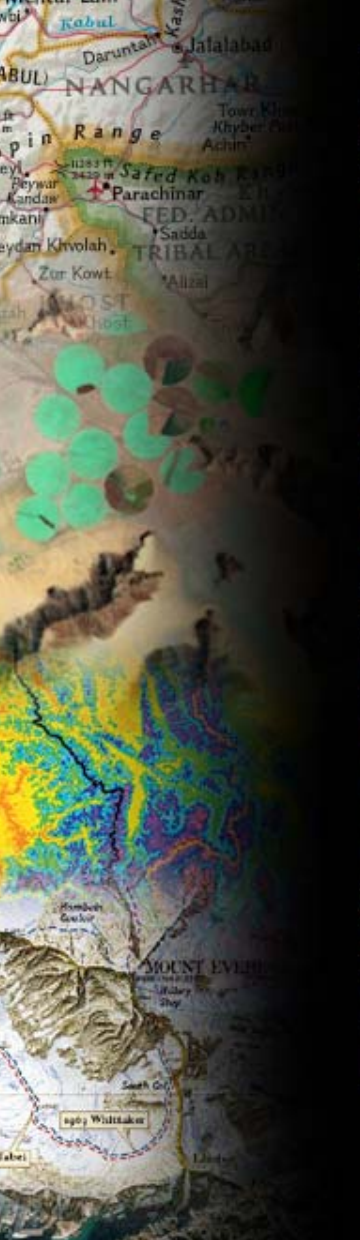


**NATIONAL
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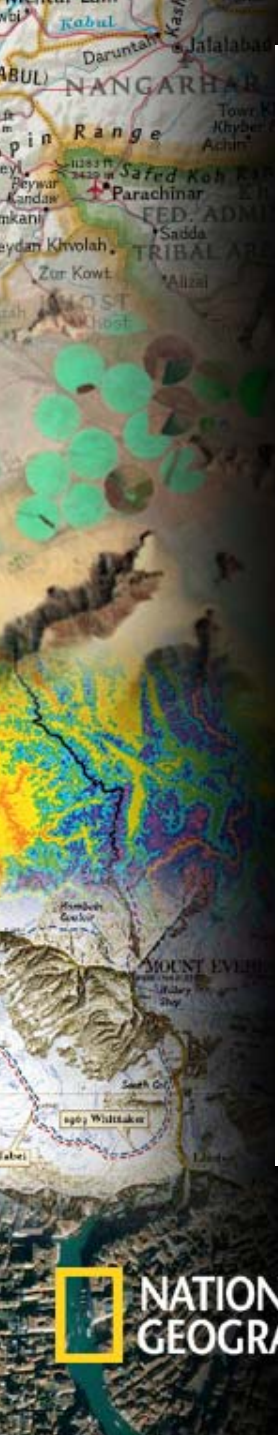
NGMaps distributes 60 National Park maps



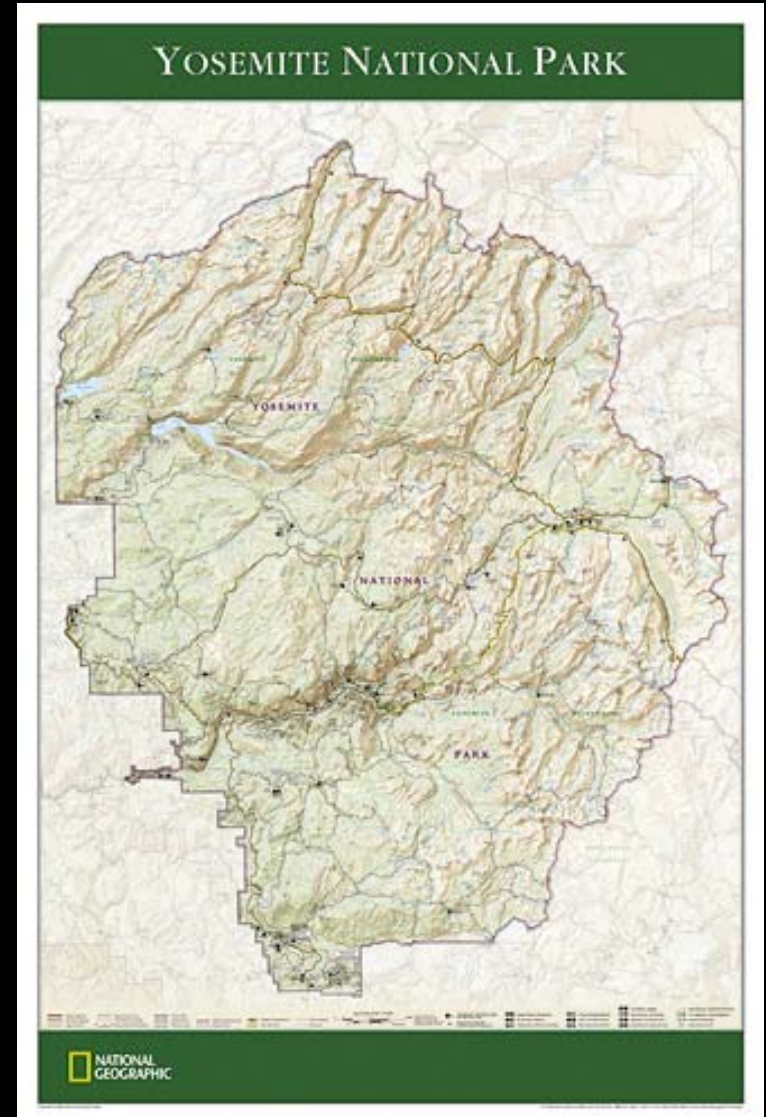
Half updated
since 2003

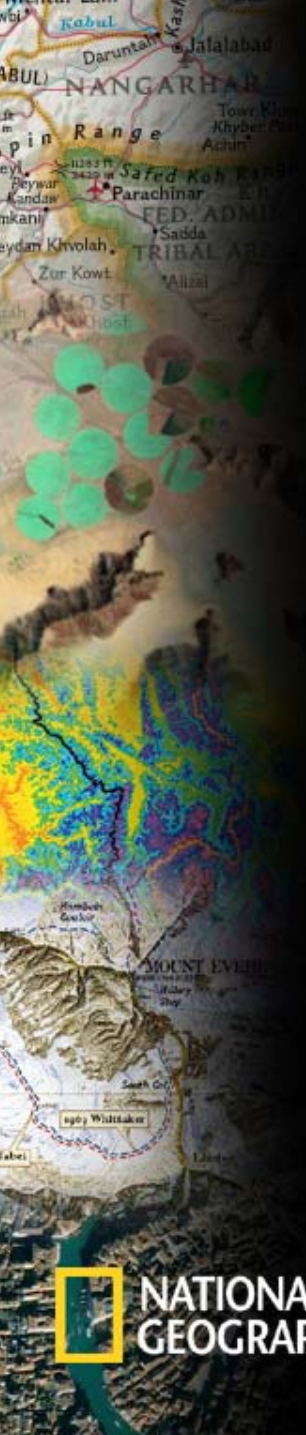


Today:
Two maps of Sequoia

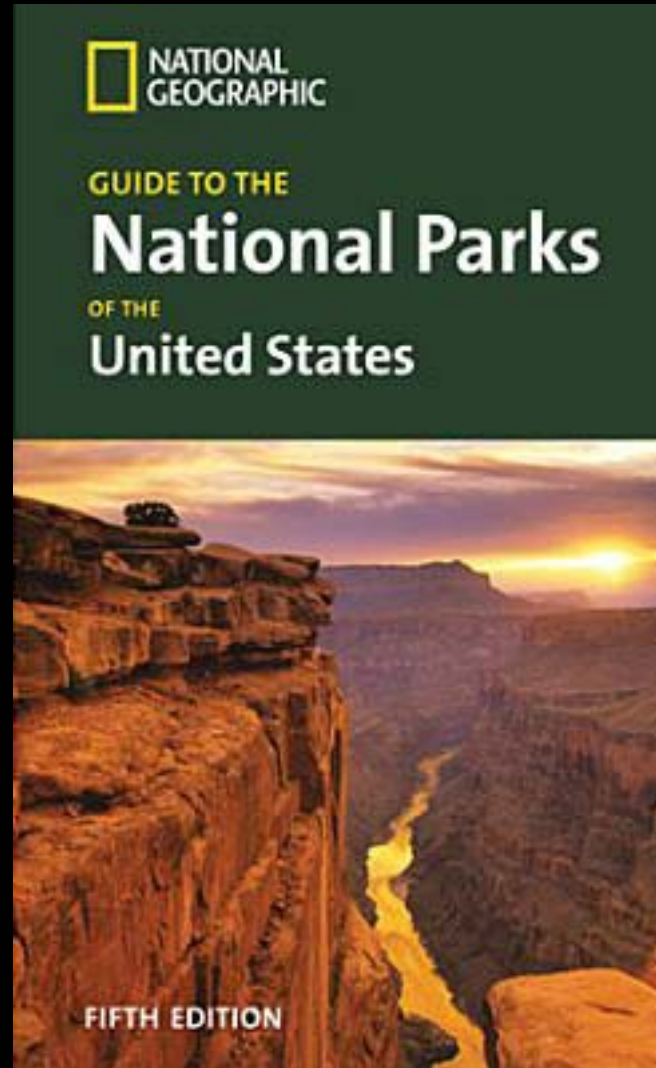


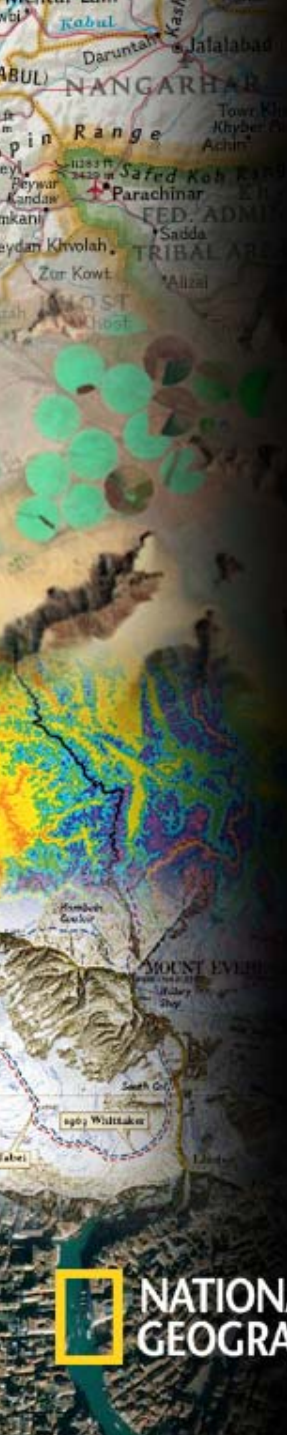
New National Park wall maps



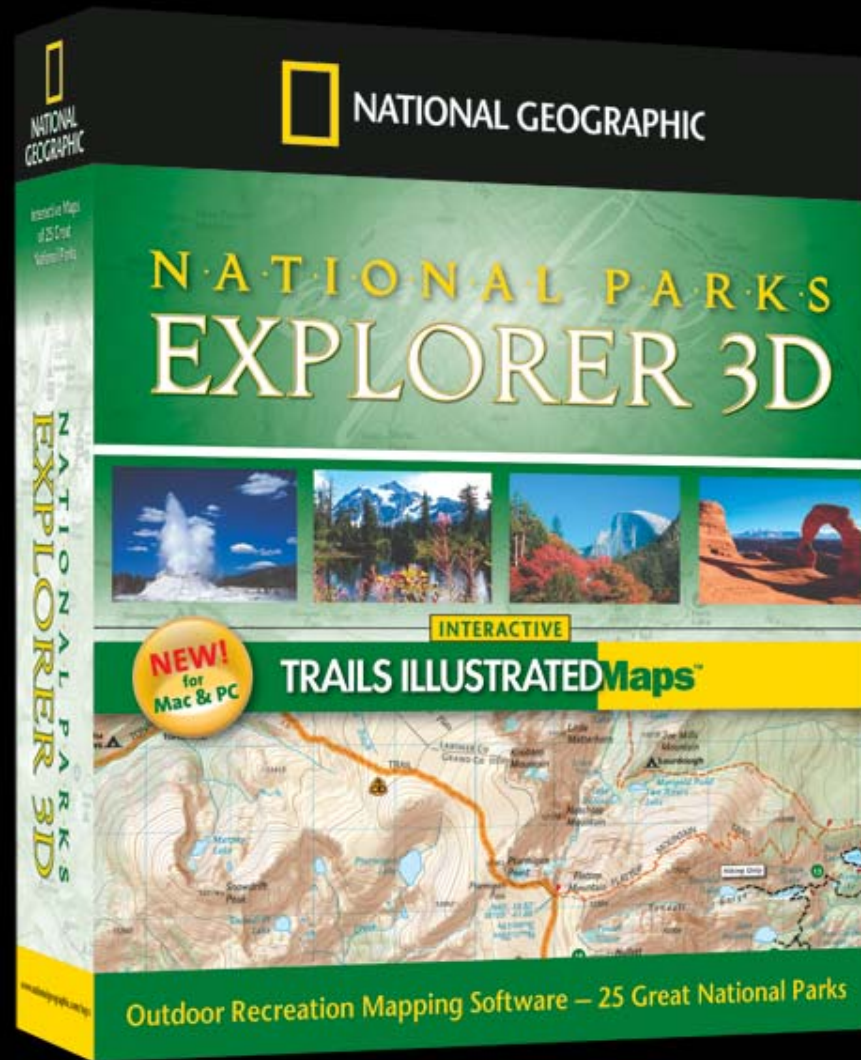


Fifth edition of
National Parks
guide
published this
year





Coming next month:
National Park maps on CD





Stay tuned:

National Geographic
magazine article on the state
of our national parks



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National Parks Advisory Board



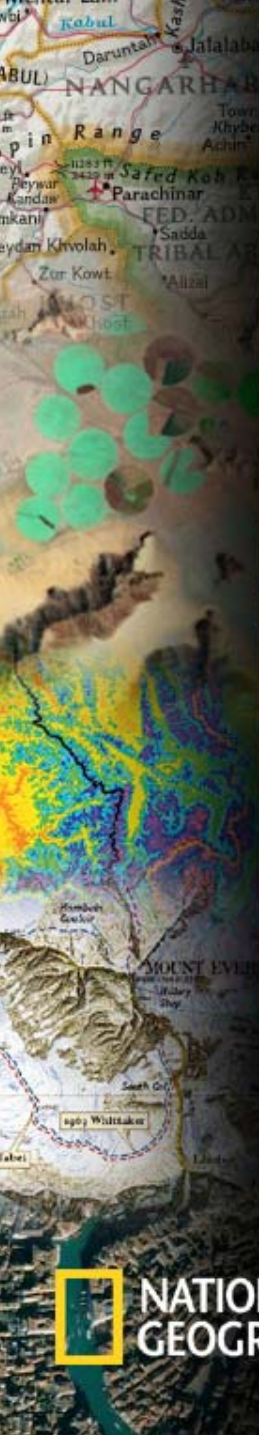
John Francis

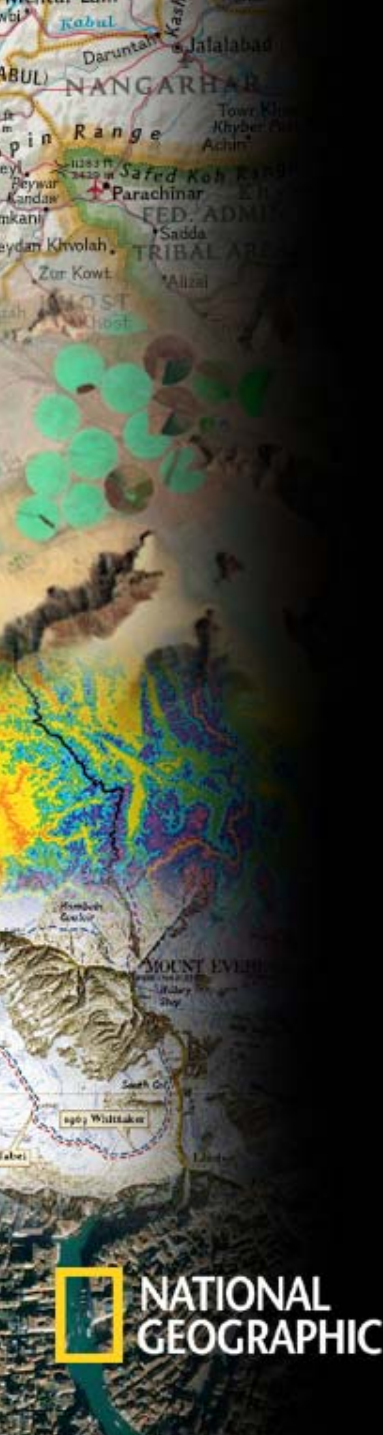


BioBlitzes

June 2006
Potomac Gorge







National Natural Landmarks Program

Administered by the National
Park Service

Revived after an 18-year
hiatus

The screenshot shows the official website for the National Natural Landmarks Program. The header includes the National Park Service logo and the text "National Park Service, U.S. Department of the Interior". Below the header, there is a search bar and a navigation menu. The main content area features a large banner with the text "Welcome to the National Natural Landmarks Program" and a series of five small images showing various natural landscapes. Below the banner, there is an "Overview" section with text describing the program's purpose and goals. The text states: "The National Natural Landmarks Program recognizes and encourages the conservation of outstanding examples of our country's natural history. It is the only natural areas program of national scope that identifies and recognizes the best examples of biological and geological features in both public and private ownership. National Natural Landmarks (NNLs) are designated by the Secretary of the Interior, with the owner's concurrence. To date, fewer than 600 sites have been designated. The National Park Service administers the NNL Program, and if requested, assists NNL owners and managers with the conservation of these important sites."

National Park Service
Nature & Science

Input Search Here

Search A to Z

Nature & Science

- Air
- Biology
- Geology
- Natural Sounds
- Water

Explore Topics:

- Critical Issues
- Fire Management
- Global Conservation
- Hazards & Safety
- Help Your Parks
- Laws & Regulations
- Partnerships
- Policies & Guidance
- Protecting & Restoring
- Publications
- Science & Research
- Social Science
- Sounds & Images
- Students & Teachers

Parks: Nature & Science

- National Park Service
- Science in the 21st Century -
- National Park System
- Advisory Board
- Click Here

EXPLORE TOPICS

NPS » Nature & Science » National Natural Landmarks

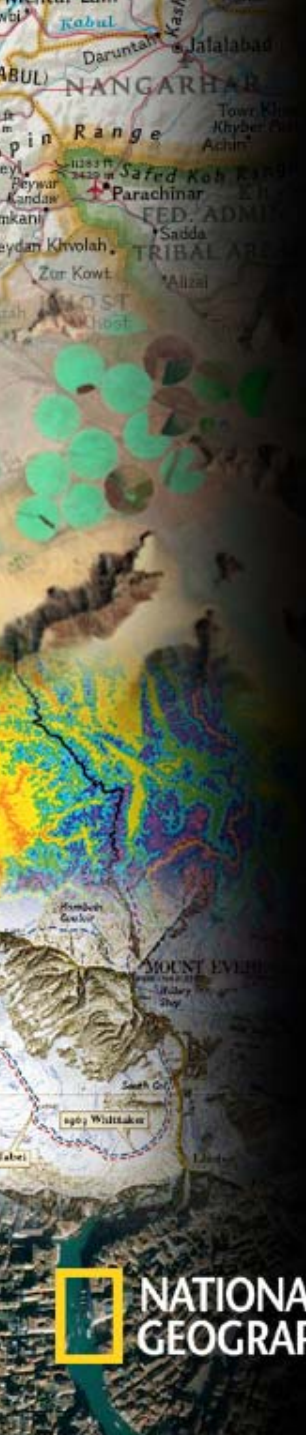
National Natural Landmarks

Welcome to the
National Natural Landmarks Program

Overview

The National Natural Landmarks Program recognizes and encourages the conservation of outstanding examples of our country's natural history. It is the only natural areas program of national scope that identifies and recognizes the best examples of biological and geological features in both public and private ownership. National Natural Landmarks (NNLs) are designated by the Secretary of the Interior, with the owner's concurrence. To date, fewer than 600 sites have been designated. The National Park Service administers the NNL Program, and if requested, assists NNL owners and managers with the conservation of these important sites.

****3rd Annual NNL Photo Contest****



1. Young Adult Male Rhino "Tusker"
2. Large 3-Toed Stallion "Cormo"
3. Adult Female Rhino "Sandy" with Baby "Justin"
4. Scavenged Rhino Calf
5. Twin ? Rhino Calves "T.L." and "R.G.C."
6. Adult Male Rhino "Dr. Marie"
7. Scavenged Camel Skeleton
8. Adult Female Musk Deer
9. Sub-Adult Male Rhino "A.G."
10. Old Bull Rhino "Snag"
11. Adult Male Rhino "Jumbo"
12. Adult Female Rhino "Topsy"
13. Adult Female Rhino "Brockie"
14. 3-Toed Mare and Foal Skeletons
15. Small 3-Toed Stallion "Andria"
16. Immature Female Rhino "Ichabod"
17. Adult Female Rhino with Calf
18. Adult Male Rhino "Bruce's Bull"
19. Scavenged Rhino Calf
20. Young Adult Female Rhino with Calf
21. Immature Female Rhino
22. Small 3-Toed Horse "Socks"
23. Adult Male Musk Deer
24. Hind Legs of Small Camel

10 feet
3 meters

Ashfall Fossil Beds

Ashfall Fossil Beds

Legend

- Rhinos
- Horses
- Camels
- Deer
- Footprints



Ashfall Fossil Beds Antelope County, Nebraska



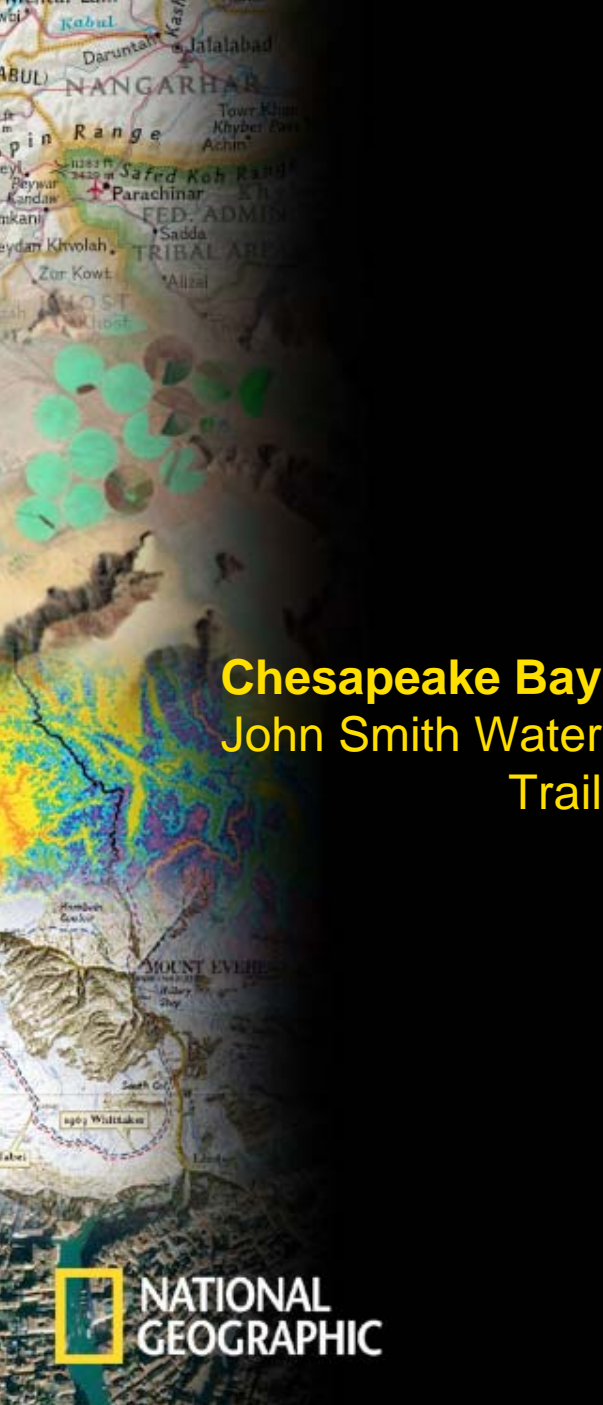
Centennial project

Loran Fraser, retired chief of policy at NPS, now works for John Francis

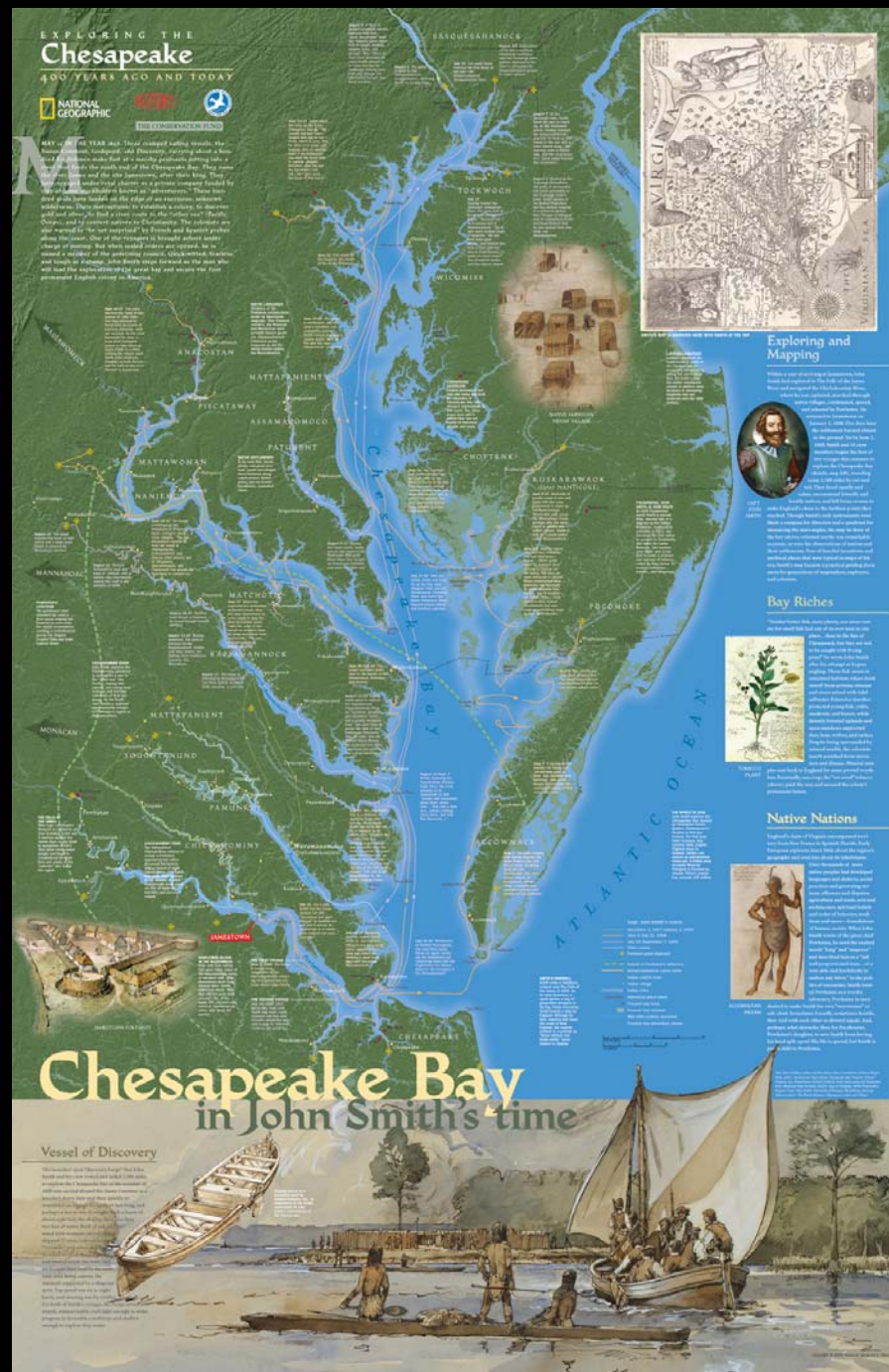
Advising John, NGS on how to work with National Park Service as its centennial approaches (2016)



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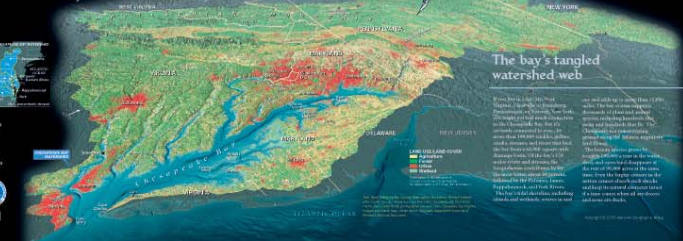


Chesapeake Bay John Smith Water Trail





HAVE THE BAY'S WATERS come from the ocean, half from rivers and streams. These sources mix together at varying depths, an estimate about one million long, but only Chesapeake Bay is one million wide. Eighty percent of the bay's water is fresh water, and the rest is salt water. The bay is a unique ecosystem, and the mix of salt and fresh water is what makes it so. The pollution has caused a significant decline in the bay's ability to maintain this mix, which has led to a further decline in the quality of the water.

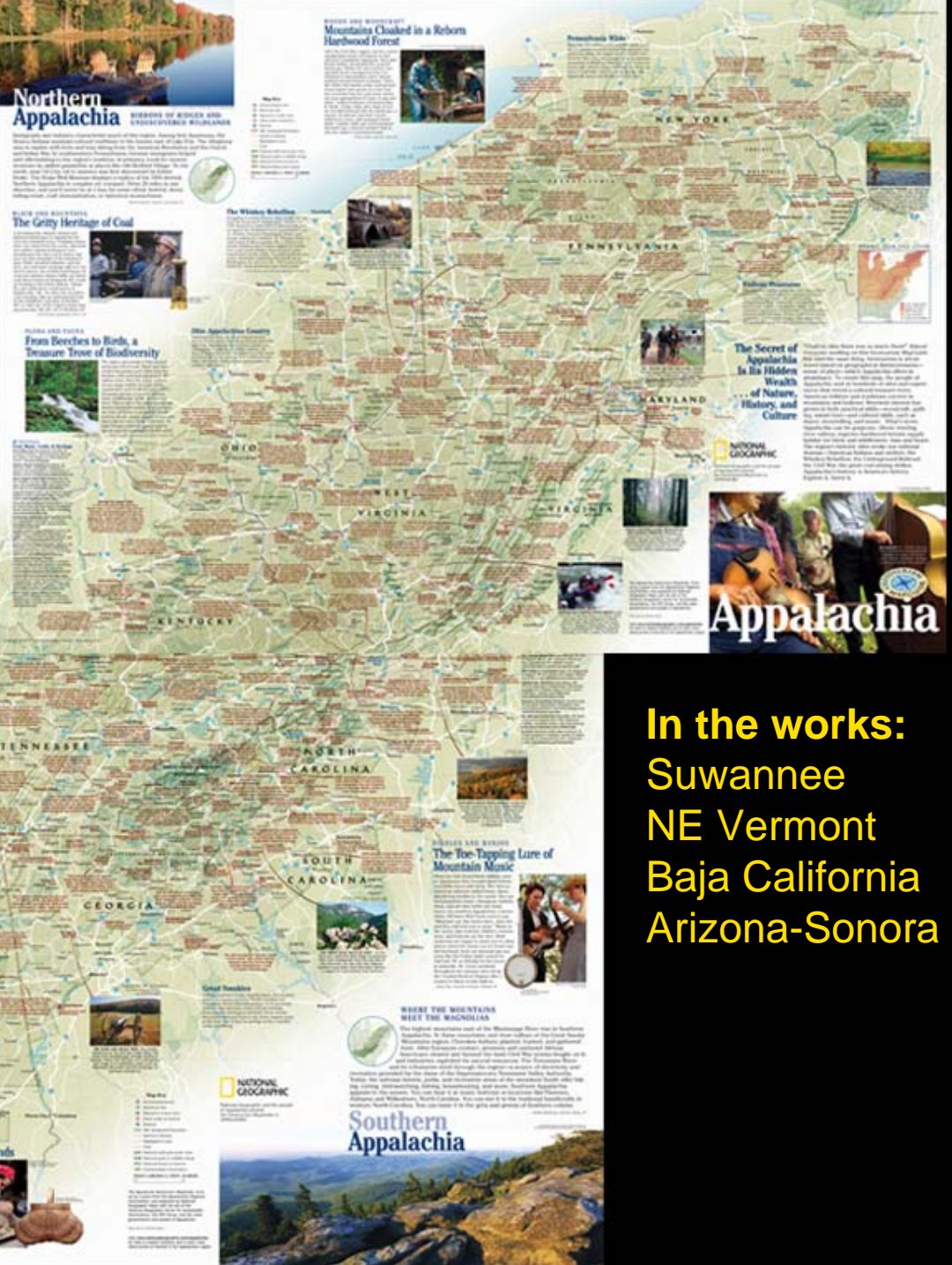




Geotourism

*Tourism that sustains
or enhances the
geographical character
of a place—its
environment, culture,
aesthetics, heritage,
and the well-being of
its residents.*

Appalachia Geotourism MapGuide



In the works:
Suwannee
NE Vermont
Baja California
Arizona-Sonora



Crown of the Continent Geotourism Map



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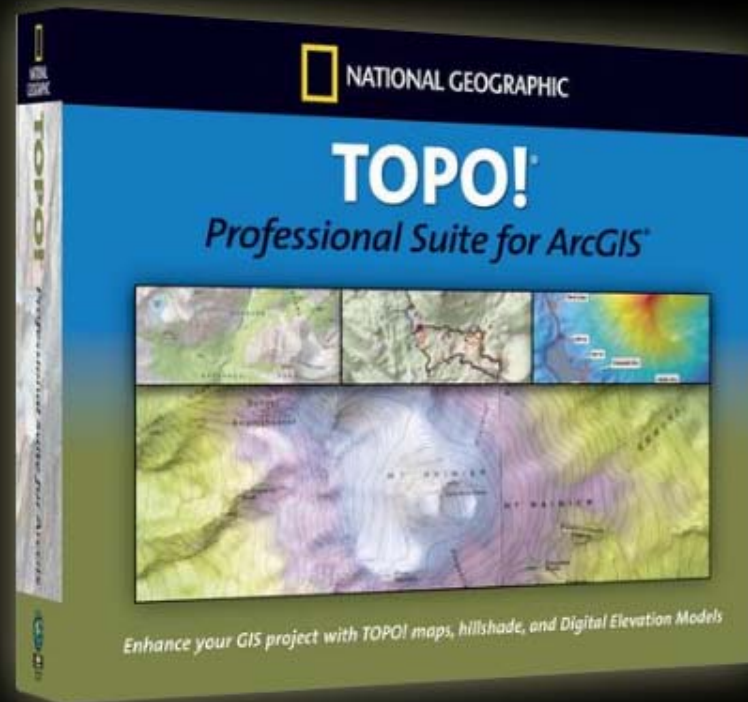
Software and data



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TOPO! raster data

Enterprise agreement with National Park Service
Seamless USGS base maps, hillshading, DEMs



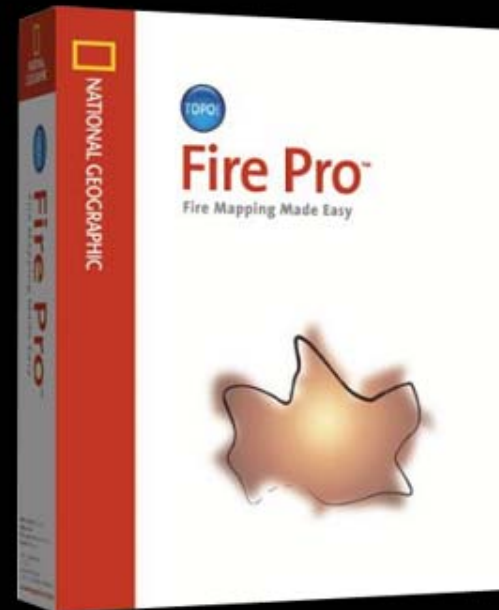
National Geographic Pro Products

Mobile mapping tools for field workers, emergency responders

Works with a variety of GPS-enabled handhelds, PDAs, etc.

Easy to use

Fully interoperable with ESRI GIS





Xport Pro

Easily add National Geographic data to any CAD, cartographic, or GIS application.

Vector Pro™

Vector Control Mapping Made Easy

Fire Pro™

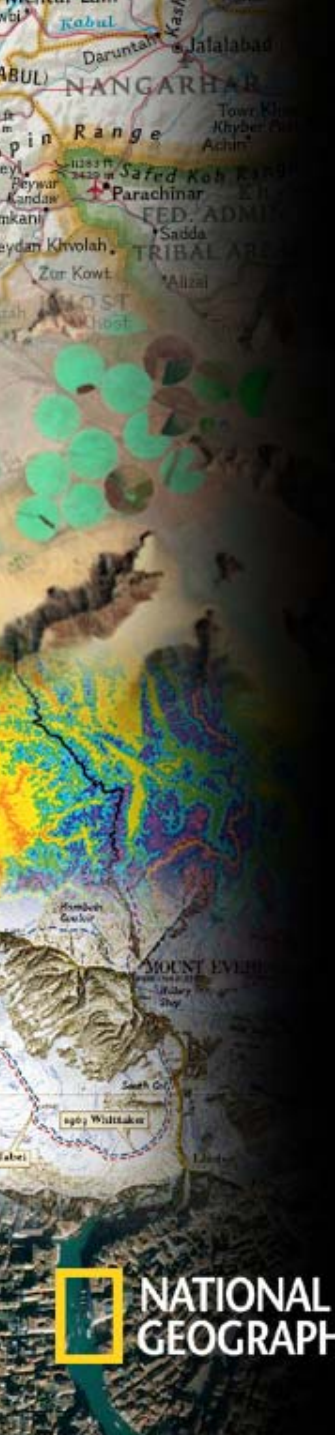
Fire Mapping Made Easy

2 Shape Pro™

Vector to GIS Data Conversion Tool

Data Exchange Pro™

Publish & Subscribe Web Tool

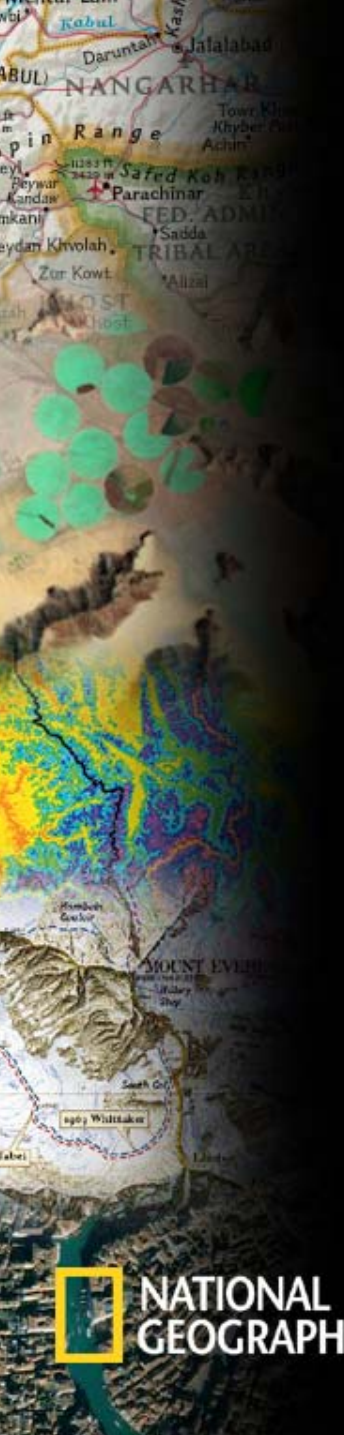


3

**New tools
New opportunity**



**NATIONAL
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**A new information resource
was born two months ago**

Conservation Geoportal

Embryonic...but there's great potential

Initial partners



AMERICAN MUSEUM OF NATURAL HISTORY



UNEP



WCMC

CONSERVATION
INTERNATIONAL



THE CONSERVATION FUND



NatureServe



AmazonGIS



World Resources Institute



ESRI





The problem

Conservation data and maps are widely dispersed and tightly sequestered

Even seasoned conservation professionals have an incomplete knowledge of, and access to, key data

Data can't be used for analysis, decision-making, communication, and education



The idea

Create a place for professionals to find conservation-related spatial data

In a second phase, interpret and distribute some of that data as a World Atlas of Conservation

Allow for collaborative enhancement of “base map” layers: transportation, protected areas, etc.



The Conservation Geoportal

Expression of the Conservation Commons

One-stop access to/publication of GIS data and maps

Metadata catalog: contributors, data/map links, etc.

Map viewer enabling display of multiple live map services

Collaboratively developed and maintained

Scalable, with future enhancements already planned



Current status

Version 1.0 released a few weeks ago

Contains 1300+ records, but needs more

Developed and hosted by ESRI

Design Team established (14 orgs)

Governance being established

Fundraising underway

Recruiting partners and channel stewards

Home page



CONSERVATION GEOPORTAL

Discover and Publish Conservation Maps and Data
A Shared Resource of The Conservation Commons

About | Feedback | Help



Portal Functions

- Home
- Advanced Search
- Map Viewer
- Login (optional)

Username:
Password:

[Join](#)
[Why should I join?](#)
[Forgot Password?](#)

Home

Search Terms:

Portal Functions

Advanced Search



Map Viewer



Data Channels

- [Conservation Areas](#)
- [Species](#)
- [Habitats](#)
- [Threats](#)
- [Environmental Factors](#)
- [Socioeconomics](#)
- [Base Map Layers](#)
- [Regions](#)

Partners

- [Data Providers](#)
- [Sponsors](#)

What's New?

- [New Data & Maps](#)
- [New Clearinghouses](#)

About this Site

- [What is it?](#)
- [Partners](#)
- [How do I participate?](#)
- [Frequently Asked Questions](#)

Help

- [Quick Start Guide](#)
- [General Help](#)
- [Metadata Resources](#)

This is a project of the [Conservation Commons](#). Please read the [Disclaimer](#) and [Privacy](#) statements or [Contact Us](#)



Heroes of the Geoportal

Frank Biasi, TNC

Jack Dangermond

Charles Convis

Dick Lawrence



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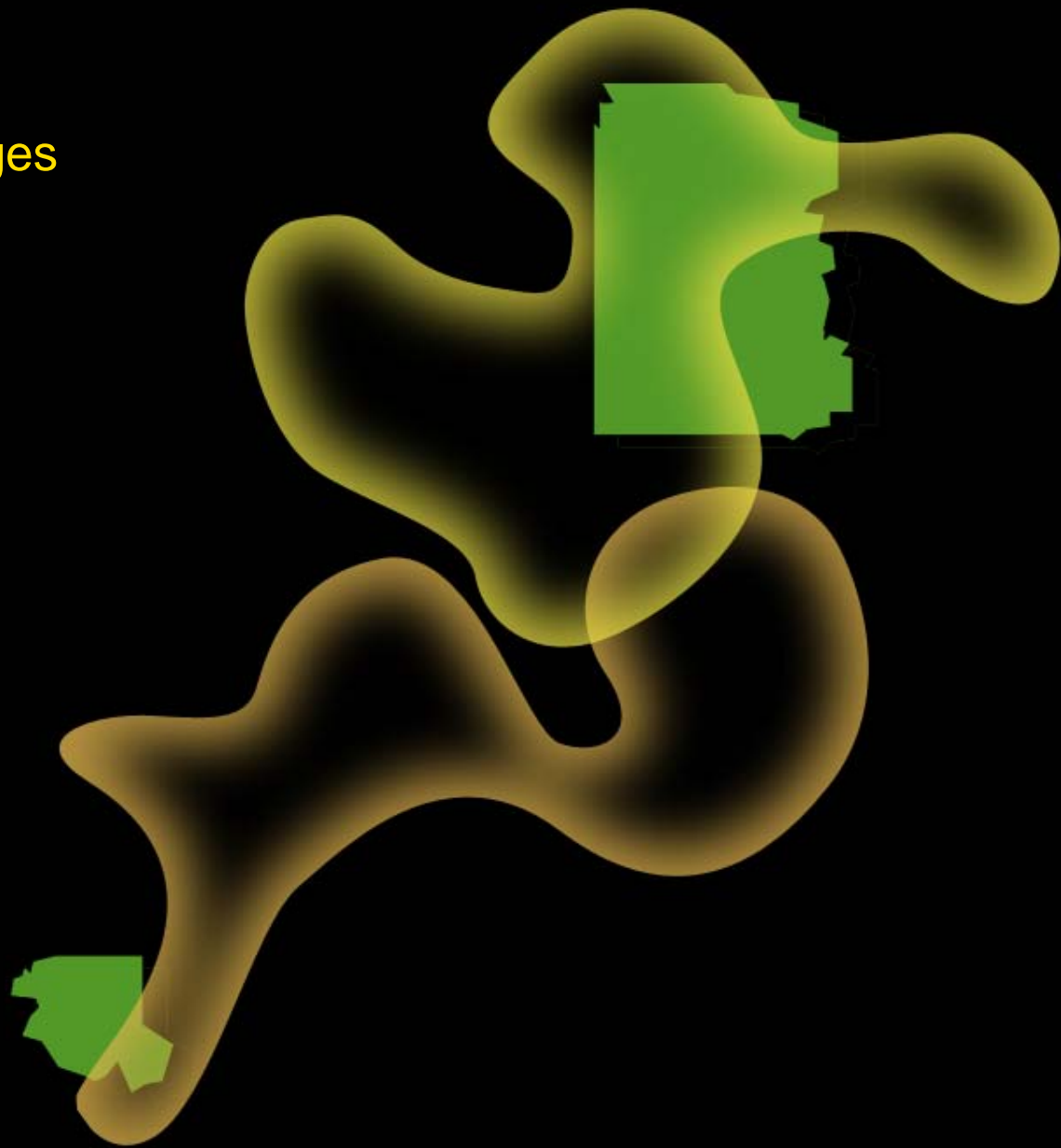
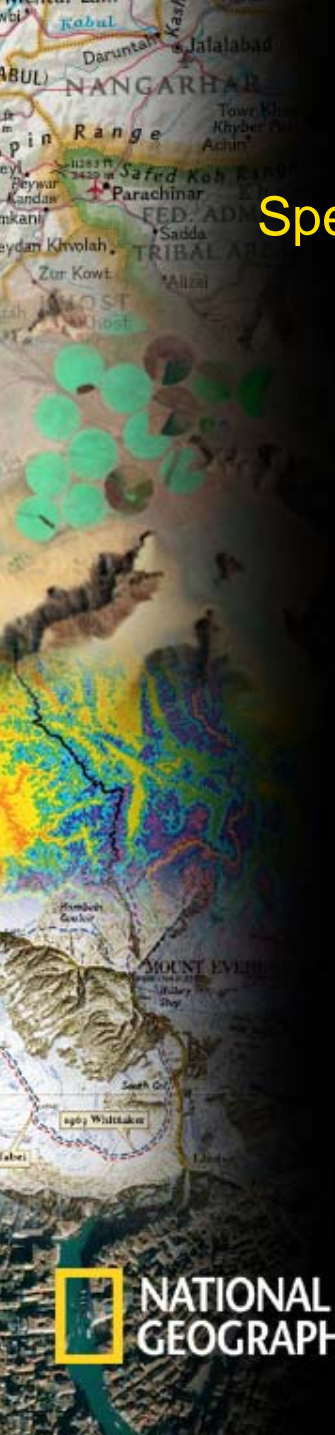
Our National Parks are precious

But the concept of national parks is a century old

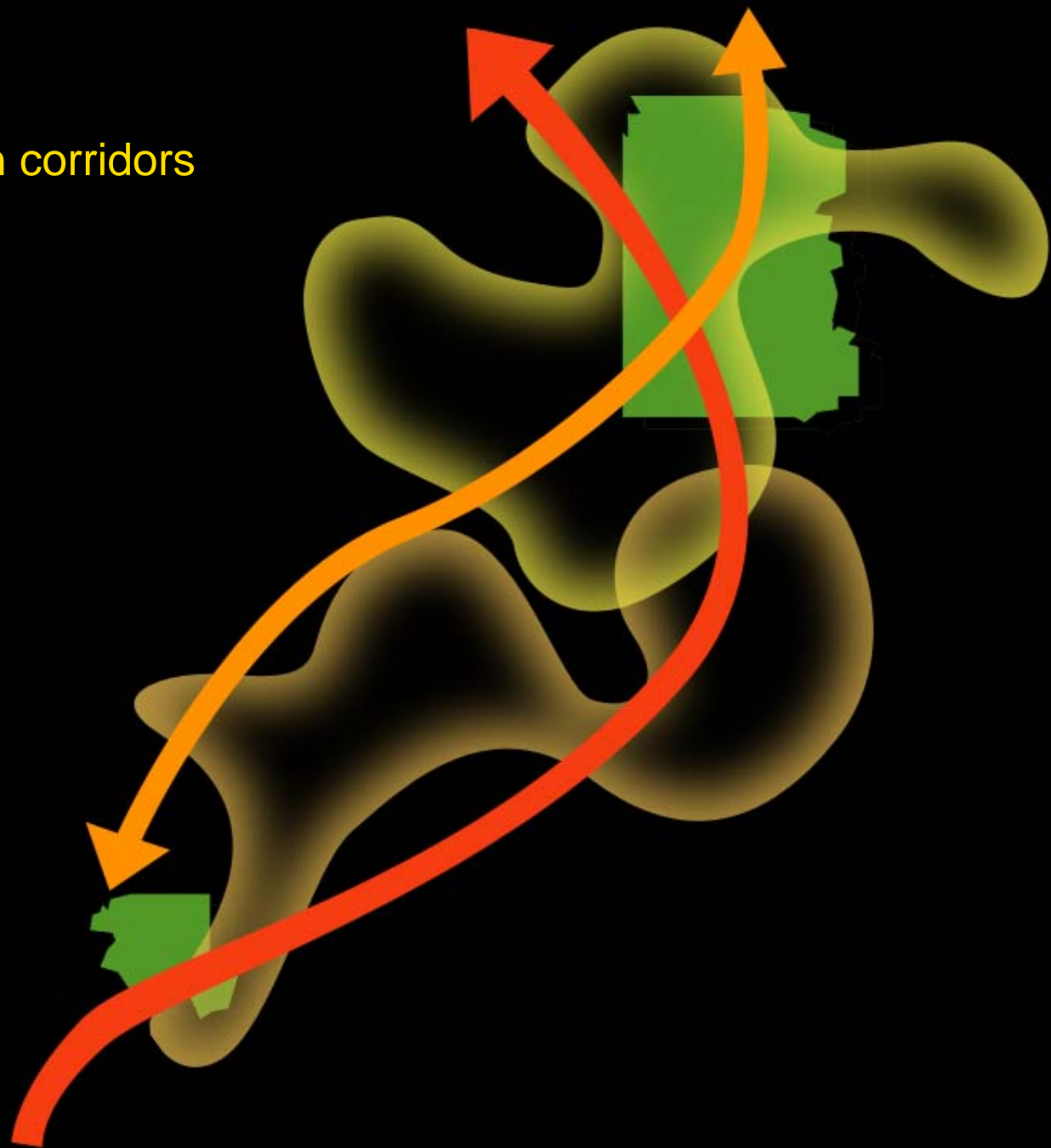
We now know we have to consider...



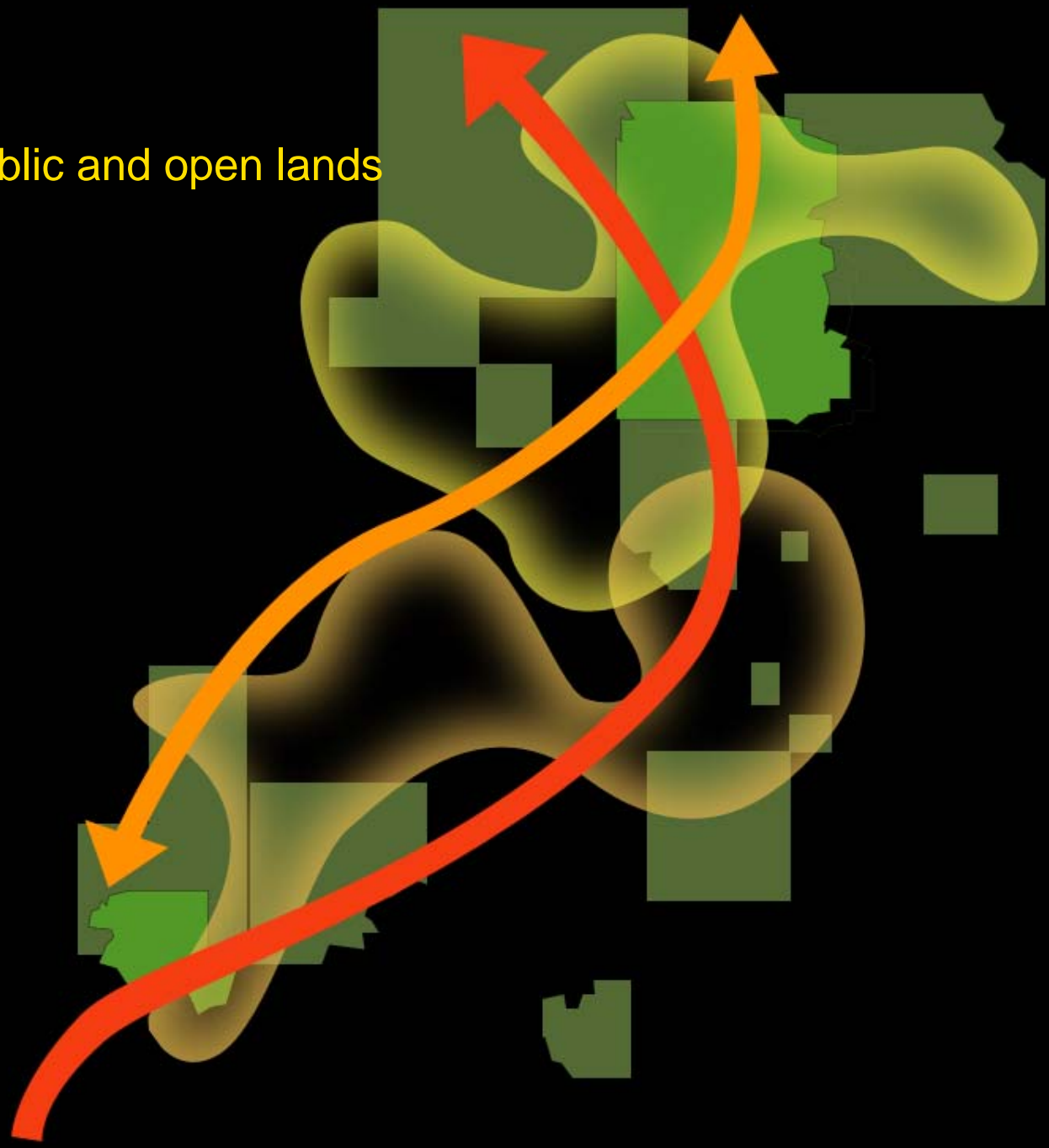
Species ranges



Migration corridors



Other public and open lands



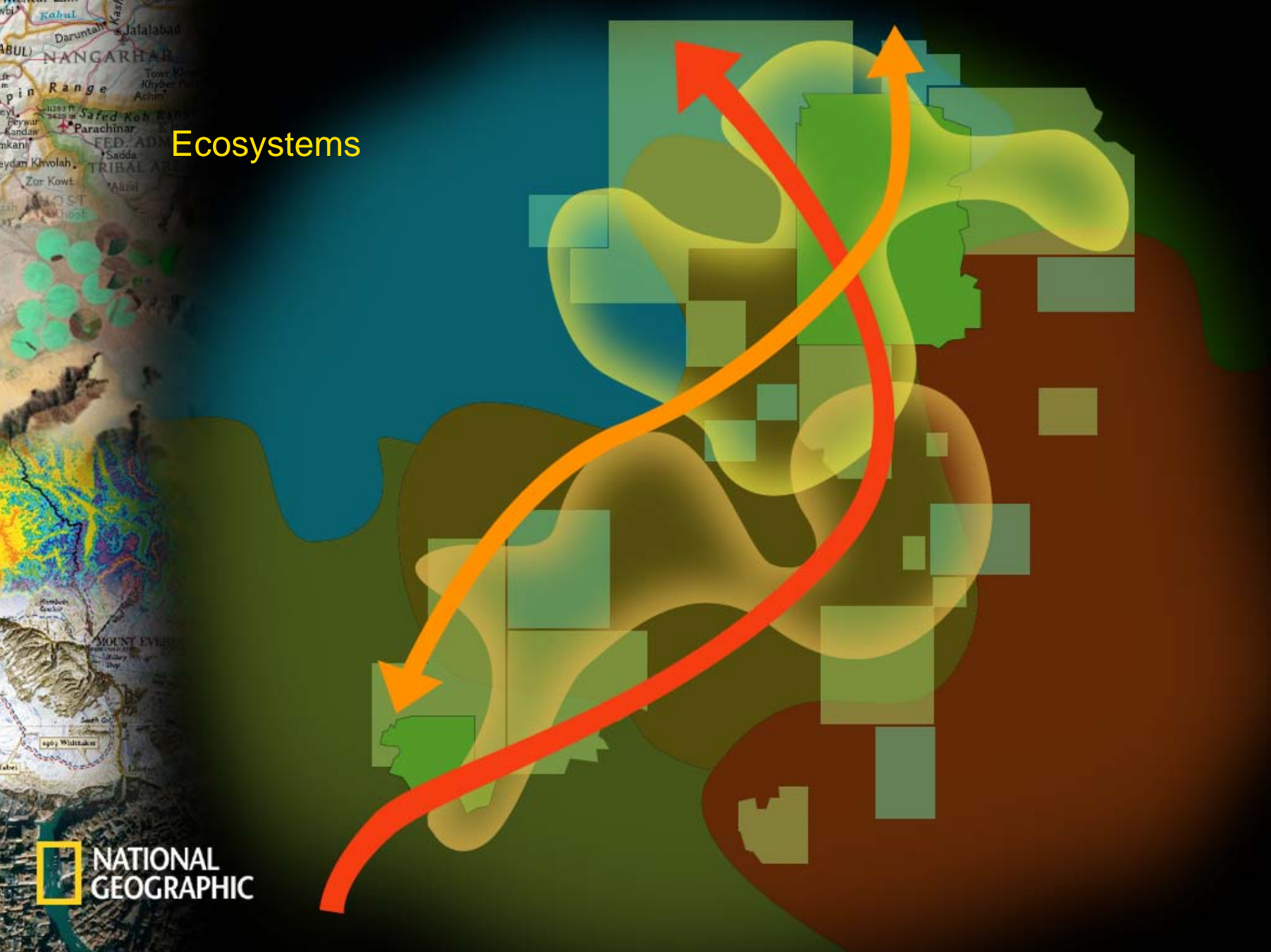


...in many categories

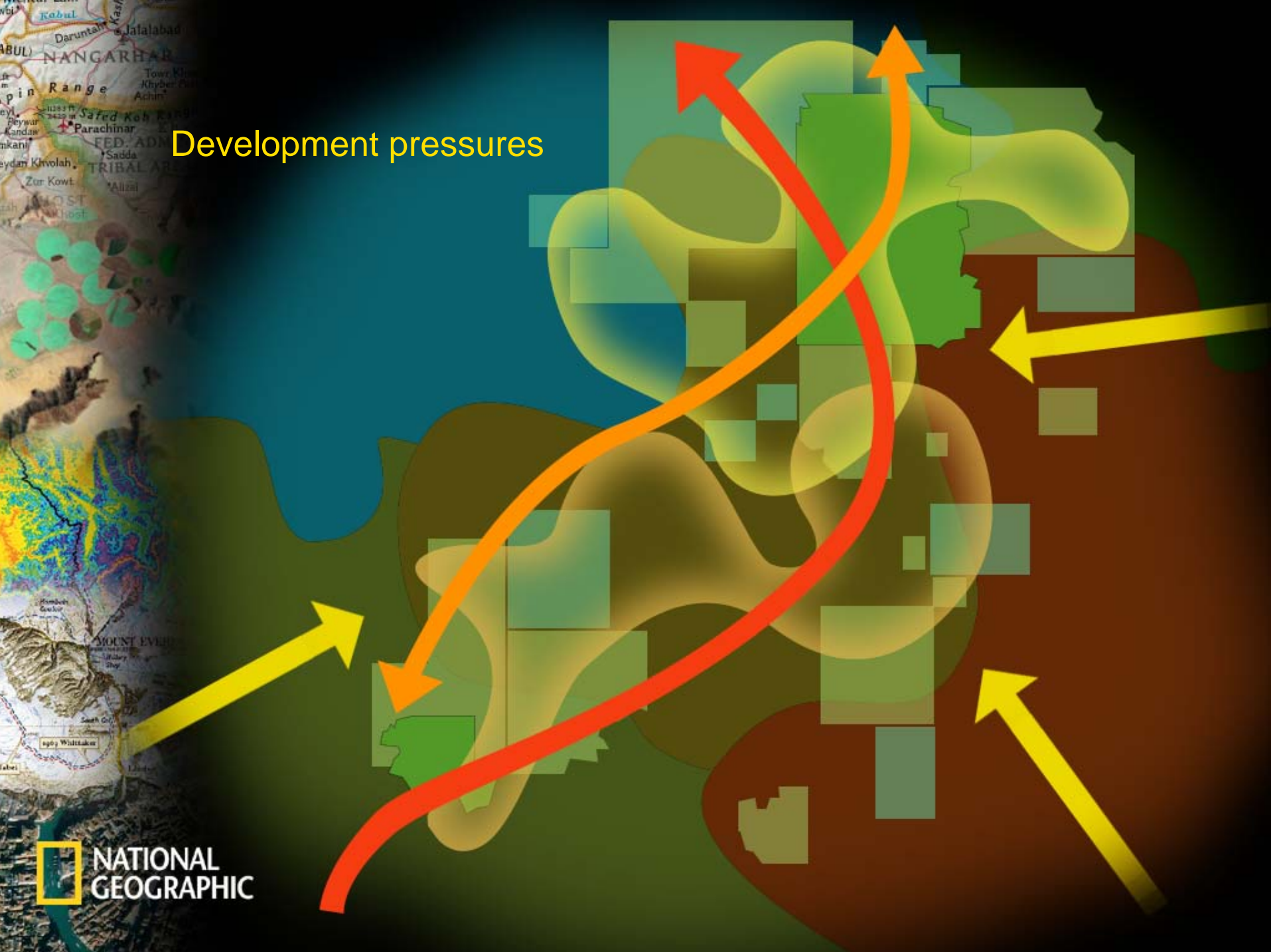


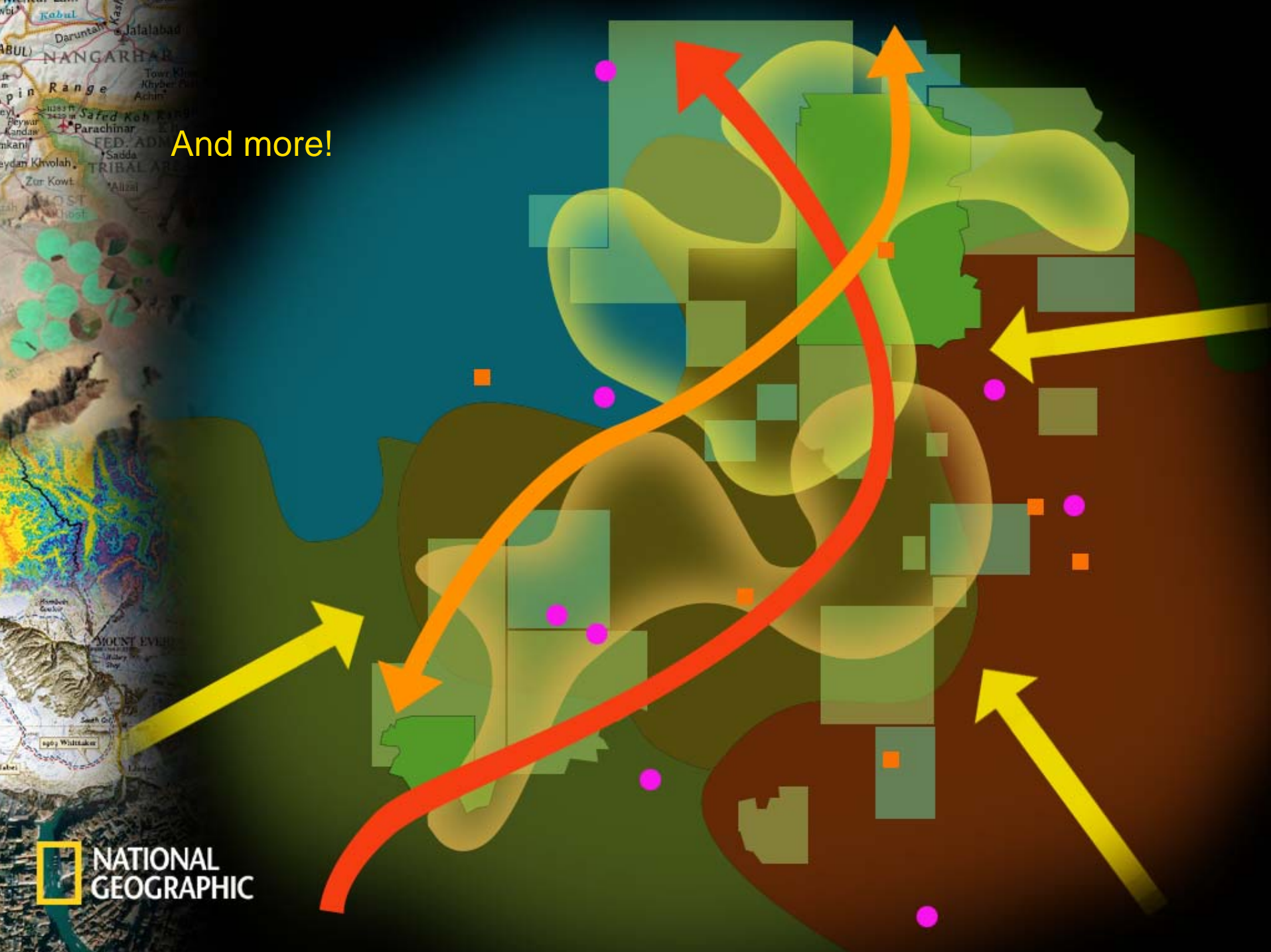
NATIONAL
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Ecosystems



Development pressures





And more!



Wouldn't it be nice if...

We could use the Conservation Geoportal

To make data in all these categories—and more—

Available to conservationists, park administrators,
resource managers, and other professionals

And to the states, counties, and municipalities for
open space planning and preservation

And to the general public and schoolkids

So all of us can have a more vivid picture of our
natural heritage

...and the impact of our growing population on it?

Our national parks

Jewels in the crown



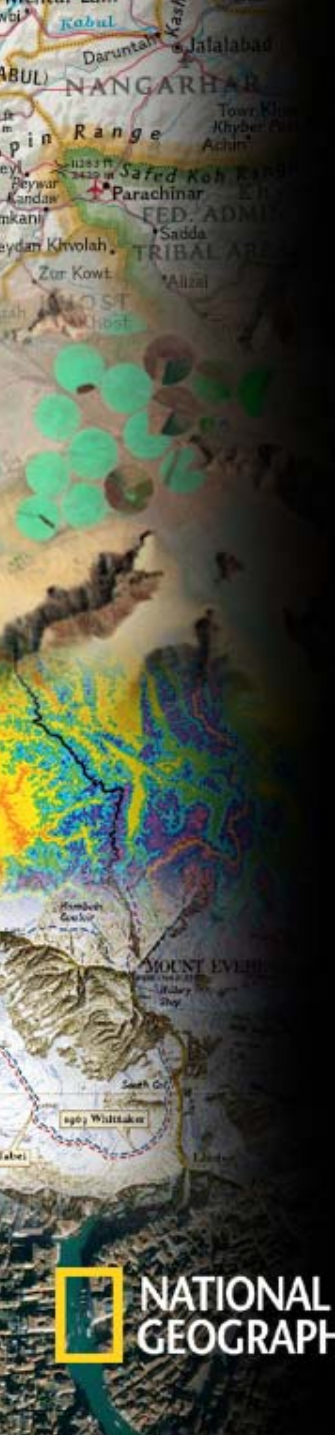
Reflects a topology of awareness

Maybe a better notion

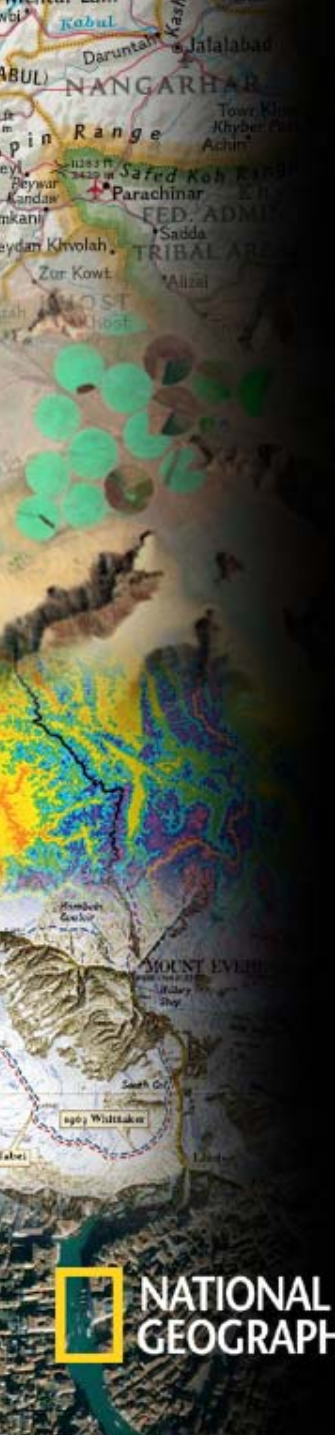
A tapestry of stewardship



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Thank you



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Allen Carroll
August 8, 2006