

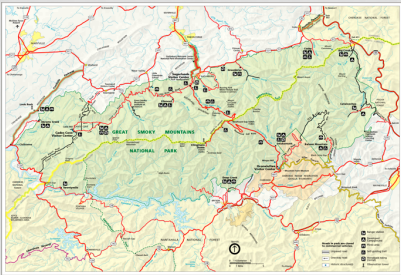
THE POWER OF EXPERIENTIAL LEARNING:
CONNECTING STEM EDUCATION, RESEARCH,
AND OUTREACH IN SOUTHERN APPALACHIA

JENNIFER JONES, PHD
PRESIDENT & CEO

GREAT SMOKY
MOUNTAINS
INSTITUTE AT
TREMONT

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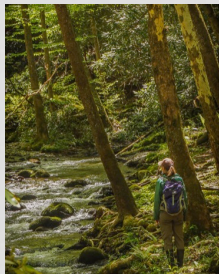
MAKING AN IMPACT



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CONNECTING PEOPLE & NATURE

How can people
care for nature if
they have never
been in it?



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EXPERIENCE MATTERS



2,500 Educator training days each year

149,141 Hours spent learning outdoors each year



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EXPERIENCE THE BENEFITS



1.75 equivalent # times our participants walk around the earth each year

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EDUCATION PROGRAMS

This is the slide with obligatory acronyms:



- STEM
- BEETLES
- #SmokiesCOOL

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RESEARCH

- Academy
- Conservation decision-making
- Outreach & Citizen Science
- Pedagogy



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RESEARCH: 30 YEARS OF DATA WITH/FOR THE NATIONAL PARK

Phenology



Monarch tagging



Bird Banding



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RESEARCH: STUDENTS & THE COMMUNITY

MAPS: MONITORING AVIAN PRODUCTIVITY AND SURVIVORSHIP

Interactive Map of MAPS Stations

Since the MAPS program began in 1989, over 1200 stations have been operated for at least one year by IBP and our collaborators. Stations have been operated in nearly every province and state. The interactive map below shows the location of our past and present stations. Click on the red dots to find out more about each station.



Station Number	Station Name	Land Owner	Nearest Town	Latitude	Longitude	Habitat	History of Operation	Number of Years Operated
15620	Great Smoky Mt	Great Smoky Mt	Townsend	35.5972	83.6917	Forest	01/01/89 - 01/01/15	26

GREAT SMOKY MOUNTAINS INSTITUTE AT TREMONT FINDING YOUR PLACE AT TREMONT INSTITUTE

- New and existing...
 - Fun: Homecoming, scavenger hunt, etc.
 - Research projects
 - Grants
 - Publications
 - Courses and workshops
 - Internships
 - QEP: Certificates, degrees, and more

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- Health and well-being
 - Personal
 - Community
 - Nature
- Virtualization
 - Complementing the field
- Experiential learning matters
 - Legitimization

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