



bienestock
natural playgrounds

The logo features the word "bienestock" in a large, bold, dark teal sans-serif font. Above the letters "e", "n", "s", and "t" is a decorative dotted line that forms a path starting from the left, curving upwards, then downwards, and ending at a stylized bee icon on the right. Below "bienestock" is the phrase "natural playgrounds" in a smaller, dark teal, lowercase sans-serif font.



**Great park design
but what's with the tree?
That's a maintenance issue.
Plus, someone could hit
their head on it.**

Lockwood

What Drives Design in Your Community?



PROSPECT

THE CITY

LANDSCAPE



GEOLOGICAL INVESTIGATION
MISSISSIPPI RIVER ALLUVIAL VALLEY
ANCIENT COURSES
MISSISSIPPI RIVER MEANDER BELT
CAPE GIRARDEAU, MO.-DONALDSONVILLE, LA.

IN 15 SHEETS SCALE IN MILES SHEET 7


OFFICE OF THE PRESIDENT, MISSISSIPPI RIVER COMMISSION
MOBILE, MISS. 1944

TO ACCOMPANY REPORT OF HAROLD W. PERKINS, CONSULTANT
LOUISIANA STATE UNIVERSITY BAYOU BOULE, LA. DATED 1 DEC 1944

FILE NO. MRC/1944-54-315







Resilience in children has dropped in direct proportion to their ability to assess and experience risk

Children who play in natural settings have higher math and language scores

There is a direct and positive correlation between contact with nature and imaginative play

Time spent in nature is as effective as Ritalin in most children previously diagnosed with ADHD

Only 37% of children play outside every day

Students will spend more time in the care of an ECE than they will in College or University

Children are significantly more likely to be injured indoors than out

DIRT AND BACTERIA ARE REQUIRED FOR THE DEVELOPMENT OF A HEALTHY IMMUNE SYSTEM

Balance and Agility scores increase in the forest when compared to traditional playstructures

40 to 60% of children at a traditional playstructure are completely sedentary

This is the first time in history that we, as parents will have longer lifespans than our children

Children between 8 and 18 average 52.5hrs per week of screen time

Only 7% of children under 10 are allowed outside alone

Cognitive engagement increases the more sensory the experience. Risk assessment improves when a child is cognitively engaged

More nature = less bullying

Teacher absenteeism drops when they work in a natural setting

















What is the relationship between risky outdoor play and health in children? A Systematic Review

Dr. Marianna Brussoni

The Helsinki Alert

The Biodiversity Hypothesis

The relationship between inflammatory disease biodiverse macro and microbiota in urban settings.

Dr. Leena von Hertzen























MAXIMUM
40
BEGINS



Welcome!

This play equipment is
designed for children
1.5 to 5 years old (CAN)
2 to 5 years old (USA)

- Adult supervision is strongly recommended.
- Regular inspection of play equipment is vital. Please report missing, worn or damaged parts to the owner.















taste



smell



touch



sight



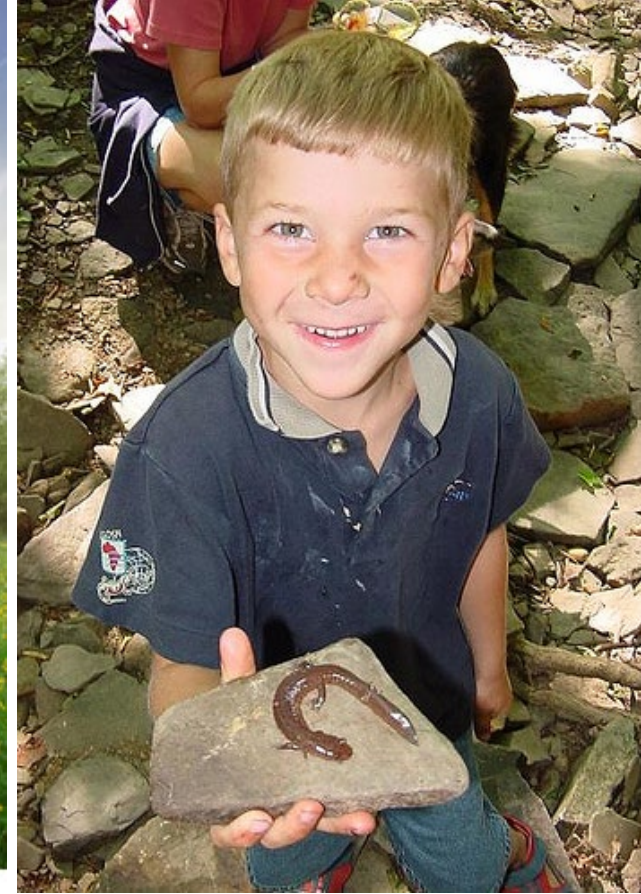
sound



kinaesthetic sense



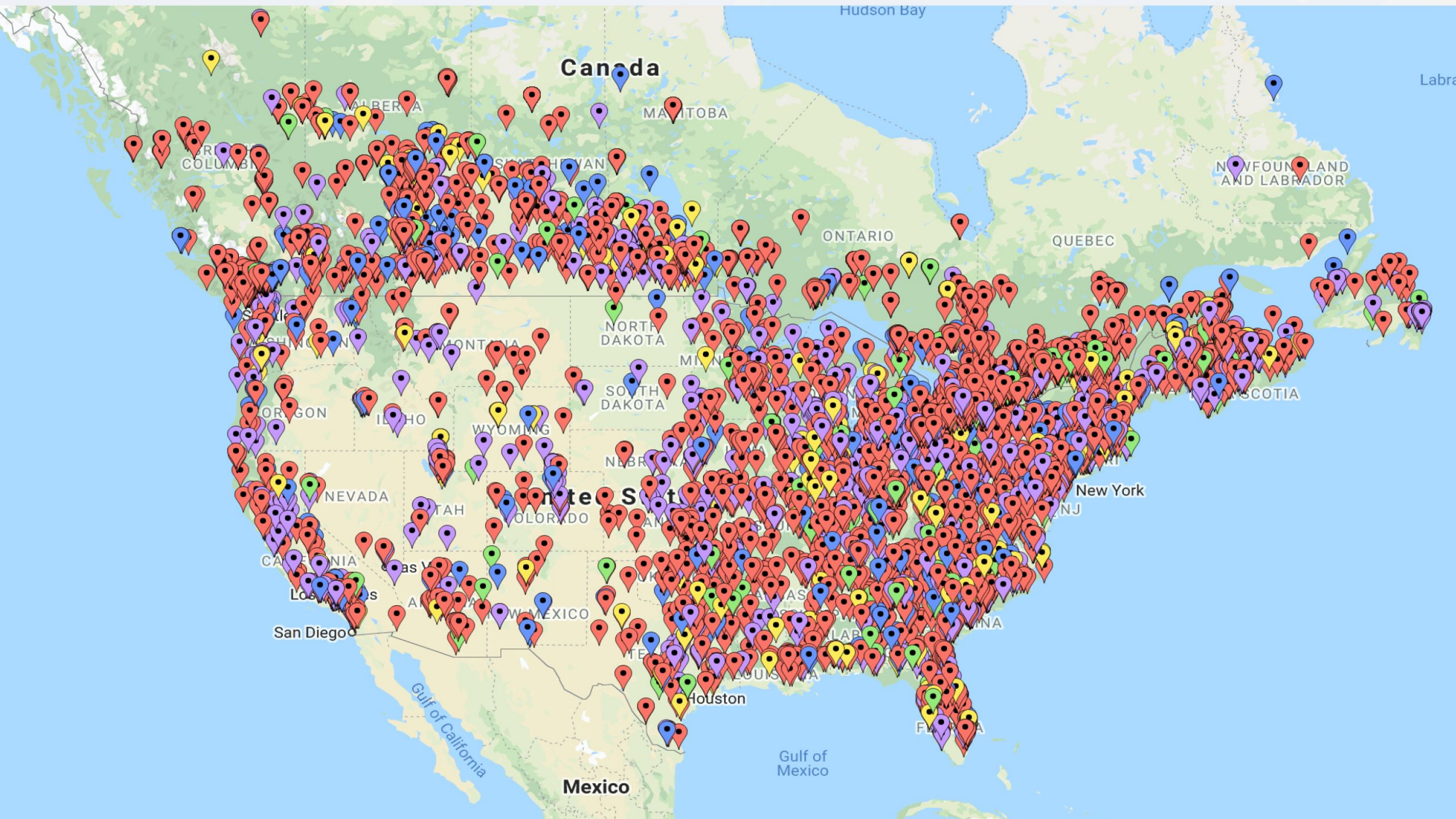
www.shutterstock.com · 61051801



sense of place

sense of wonder





Canada

ALBERTA
SASKATCHEWAN
MANITOBA

NEWFOUNDLAND
AND LABRADOR

ONTARIO

QUEBEC

NORTH
DAKOTA

SOUTH
DAKOTA

OREGON

ILLINOIS

WYOMING

NEBRASKA

COLORADO

NEVADA

UTAH

CALIFORNIA

Los Angeles

San Diego

NEW MEXICO

ARKANSAS

MISSISSIPPI

LOUISIANA

MISSOURI

ILLINOIS

INDIANA

OHIO

PENNSYLVANIA

MARYLAND

DELAWARE

VIRGINIA

NORTH CAROLINA

SOUTH CAROLINA

FLORIDA

New York

NJ

PA

MD

VA

NC

SC

GA

AL

LA

MS

TX

OK

MO

Mexico

Gulf of Mexico

Gulf of California