

HIGH-RESOLUTION LAND COVER MAPPING.

Faster. Cheaper. Better.



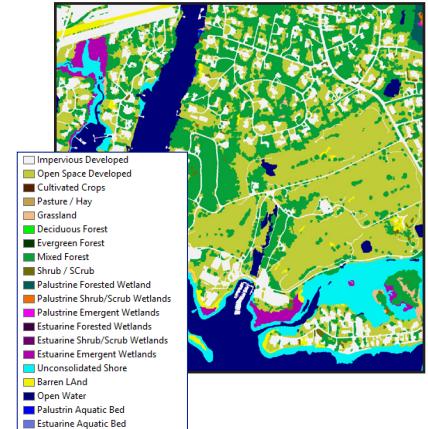
For over 20 years, NOAA has provided C-CAP land cover data, at a 30-meter resolution, for our nation's coasts. This comprehensive product is made even better with three new high-resolution options.

LAND COVER DATA

High-resolution data supports a wider range of applications, but it can be expensive. That's why NOAA is cultivating state, local, and federal partnerships to cost-share each effort. Partners get the detailed data they need at a greatly reduced price, and NOAA's participation ensures high-quality end products and a smooth production process. All data will be published via the Digital Coast ([C](#)) and be free for all to use. The goal is to create a national data set that is updated regularly.

Technical Specifications

- Detailed land cover maps at 1-meter resolution
- Standardized 16 to 20 land cover categories
- NOAA anticipates updating the data every 4 to 6 years



IMPERVIOUS SURFACE DATA

NOAA is working with private-sector firms, to provide detailed maps focused on impervious features—buildings, roads, pavement, parking lots, and driveways. Data can be purchased at a reduced cost with options for regular updates.

Technical Specifications

- Data derived from 15-30 centimeter imagery
- Includes at least three impervious feature types
- Regular updates are available through a subscription

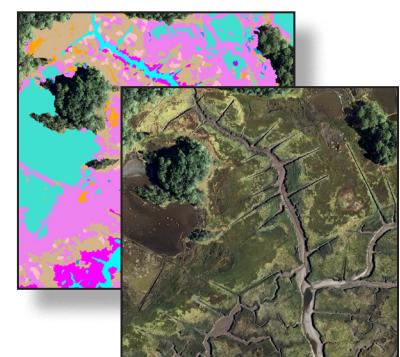


SALT MARSH HABITAT DATA

For wetland-oriented projects, NOAA offers maps that cover multiple categories. The new maps include additional wetland categories: pannes, pools, high marsh, low marsh, and potentially, individual species (including invasive species).

Technical Specifications

- Vector-based data derived from lower tide imagery
- Includes at least 12 feature types
- Updates possible with additional funding



DIGITAL COAST

Explore these partnership options by contacting
Nate.Herold@noaa.gov

DETAILS

HIGH-RESOLUTION LAND COVER



BENEFITS



- Cost savings
- High quality and consistent
- Updated regularly

When it comes to data, there's an old saying: "faster, cheaper, better—you can have two of the three." With these NOAA options, you can have all three, thanks to the vetting process, experience, and partnership approach NOAA brings to the table.

USE CASES



COMMUNITY PLANNING AND DEVELOPMENT

- Impervious cover and growth monitoring
- Land use planning and parcel analysis
- Building footprints and access locations
- Open space planning and assessment
- Urban forestry and street trees



FLOODING IMPACTS

- Infrastructure exposure assessment
- Future risk management
- Community Rating System credits
- Hydrodynamic modeling



WATER QUALITY AND STORMWATER MANAGEMENT

- Modeling and assessment
- Planning and mitigation
- Green infrastructure and design



WETLANDS MANAGEMENT

- Marsh condition and trends
- Habitat assessment and connectivity
- Conservation and restoration planning
- Resilience assessment



CARBON ACCOUNTING

- Sequestration and storage estimates
- Carbon credits

DIGITAL COAST

For more information, contact
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