

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

NYC Beaches & Waterfront MCP

Plan your next trip with live water quality and crowd data.

NYC Beaches & Waterfront MCP provides direct access to New York City's coastal data. Your AI client can check enterococci water quality samples, look up seasonal beach attendance, find designated waterfront public access areas, and identify specific public beaches across the boroughs without needing an API key.

A+ Quality Score 96.67/100

new-york

nyc

beaches

water-quality

enterococci

waterfront



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemeral (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

NYC Beaches & Waterfront MCP

7 tools available

Cloud-hosted on Vinkius

You can use this MCP to decide exactly when and where to hit the water in New York City. Instead of digging through city databases, you just ask your agent if the water is safe to swim in or which beaches are currently the least crowded. The tool provides live enterococci water quality samples that you can compare against EPA advisory levels to ensure a safe swim. You can also pull seasonal visitor counts to avoid the biggest crowds or find specific waterfront public access areas that are already built or currently in the planning stages. Whether you are looking for a specific beach in Brooklyn or checking the status of a new waterfront project, this MCP gives your AI client the specific data points needed to plan a trip or research city coastal access.

Core Capabilities

01 — Water Quality Monitoring

Your agent checks live enterococci samples against EPA safety standards.

02 — Crowd Analysis

Your AI client uses seasonal attendance data to predict beach popularity.

03 — Access Point Discovery

Your agent identifies designated waterfront public access areas and their current construction status.

04 — Beach Identification

Your AI client pulls exact beach names and borough locations for accurate data queries.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/nyc-beaches-waterfront — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Ask your AI agent a question about NYC beach safety or attendance.
- 03 The agent selects the appropriate tool to query the NYC Open Data.
- 04 The agent processes the raw sample or attendance data into a clear answer for you.

Connecting to this MCP gives your AI client immediate access to NYC coastal datasets.

Built For

This MCP is built for anyone needing reliable, real-time coastal data for New York City.

Trip Planners

They ask the AI to find safe, low-crowd beaches for weekend outings.

Urban Researchers

They use the tool to track waterfront access developments and public space availability.

Environmental Analysts

They query water quality samples to monitor bacteria levels against federal guidelines.

What Changes When You Connect

- 01 Eliminates the need for manual API key management or complex database queries.
- 02 Provides live water quality data for immediate safety checks.

-
- 03 Offers historical attendance trends to help avoid peak crowd times.
-
- 04 Centralizes waterfront access and beach data into a single interface.
-

Real-World Applications

Safety Verification

Check if recent bacteria levels at a specific beach exceed EPA advisory limits before swimming.

Crowd Avoidance

Compare seasonal attendance rankings to find quieter beach alternatives.

Urban Planning Research

Identify planned waterfront access areas and check their current development status.

Borough Navigation

Quickly find which public beaches are located in specific boroughs like Brooklyn or Queens.

Patterns to Avoid

Vague location queries

❌ AVOID

Asking your agent to find a safe beach in New York without specifying a borough.

✓ INSTEAD

Start by using `list\_beaches` to get the exact names and borough locations of the nine official public beaches first.

Ignoring seasonal trends

❌ AVOID

Assuming a beach is quiet just because it is a Tuesday in July.

✓ INSTEAD

Use `search\_beach\_attendance` to check actual seasonal visitor counts and historical data before you head out.

Overlooking site closures

❌ AVOID

Driving to a waterfront spot only to find it closed for maintenance.

✅ INSTEAD

Run `'list_waterfront_areas'` to check for construction status and operating hours for the 78 designated access points.

The Right Fit

Connect this MCP if you need real-time water safety data or crowd patterns for NYC coastal areas. Do not connect it if you are looking for data outside of New York City or non-waterfront urban locations. The decision depends entirely on whether your planning requires live enterococci samples or seasonal attendance metrics.

NYC Beaches & Waterfront 7 Tools

This MCP provides real-time water quality samples, seasonal attendance records, and status updates for NYC waterfront access points.

#	TOOL	DESCRIPTION
01	count_water_samples	This tool provides a quick count of water samples within a specific window. Use it to see how many data points are available before running a more detailed search.
02	list_beaches	This tool lists the nine named public NYC beaches and their respective boroughs. It is the best way to get the exact beach names required for other tools in this MCP.
03	list_waterfront_areas	This tool retrieves information on approximately 78 designated waterfront public access areas. It includes details on construction status, maintaining parties, and planned square footage.
04	search_beach_attendance	This tool searches seasonal daily visitor counts for NYC beaches. It covers attendance data from 2010 through the 2025 season.
05	search_water_samples	This tool pulls live enterococci water quality samples for specific beaches. You can check recent readings against EPA advisory levels to see if the water is swimmable.
06	top_beaches_attendance	This tool ranks NYC beaches by their total visitor counts for a given season. It helps you identify the most popular locations through the 2025 season.
07	top_beaches_water_quality	This tool ranks beaches based on their water quality over the last year. It highlights the worst enterococci readings to show which locations have exceeded EPA advisory limits.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U Is the water swimmable at Orchard Beach right now?



The most recent enterococci samples for Orchard Beach show readings that you should compare against the EPA single-sample advisory of 235 MPN/100 ml.

U Which NYC beach had the most visitors in 2025?



Based on the 2025 seasonal data, the beach with the highest total attendance was the most visited location.

U Which beaches are in Brooklyn?



Brooklyn contains two public beaches: Manhattan Beach and Coney Island.

Frequently Asked Questions

01 How fresh is the water quality data?

The water quality dataset is live, with samples from as recent as September 2026 available.

02 Do I need an API key to use this?

No, this is a keyless MCP. Vinkius handles the connection so you can use it immediately.

03 What are the EPA safety limits for swimming?

The EPA uses a single-sample advisory level of 235 MPN/100 ml and a 4-week geometric-mean criterion of 291 MPN/100 ml.

04 Can I find beaches in Manhattan?

There are no beach parcels located in Manhattan according to the beach lookup data.

05 Does this include data for future waterfront areas?

Yes, the waterfront access tool includes status updates for areas that are currently approved or planned for construction.

06 Do I need an API key?

No. NYC Open Data serves all public datasets anonymously over its SODA API (data.cityofnewyork.us). This MCP defines no credentials and needs nothing configured.

07 Do the text filters ignore case or match partial values?

No. The NYC data platform only supports exact-match filters, and this MCP stores beach names three different ways across its tables: the beach map and the water-sample table use UPPERCASE names ("ORCHARD BEACH" — the water-sample tool auto-uppercases its input), while the attendance table uses title case ("Orchard Beach", "Wolfe's Pond Beach" with a straight apostrophe). Borough codes on the beach map are the single letters B, Q, R, X (there are no beach parcels under M — Manhattan Beach is in Brooklyn). Use `list_beaches` to see the exact beach names, and a search tool with no filters to see the exact stored values in each table.

08 How do I read the enterococci values?

The samples report enterococci in MPN/100 ml. Use the two EPA reference values: 235 MPN/100 ml is the single-sample advisory level and 291 MPN/100 ml the 4-week geometric-mean criterion. A reading above 235 flags the water above the swim advisory; a null enterococci value means the count was below the detection limit (the `units_or_notes` field says so). `top_beaches_water_quality` gives each beach's worst reading over the last year.

09 How fresh is each dataset?

Water samples are live — September 2026 samples are available. The attendance table ends at 2025-10-08, so its tools take a season year (2010-2025, default 2025) rather than a rolling window. The WPAA table is a planning registry (statuses like "Approved (to be constructed)"), not a live status feed, and it carries no coordinates.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

`https://edge.vinkius.com/[TOKEN]/mcp`

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"nyc-beaches-waterfront": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  Ask ChatGPT 
-  Ask Claude 
-  Ask Perplexity 
-  Ask Gemini 
-  Ask Grok 

READY TO CONNECT

NYC Beaches & Waterfront is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

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