



# SPYWOLF

## Security Audit Report



Audit prepared for  
**Hodl Hippo**

Completed on  
**June 4, 2025**

@SPYWOLFNETWORK



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SPYWOLF.CO





# KEY RESULTS

Cannot mint new tokens	Passed
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	Passed
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	Passed
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	Passed
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.





# OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





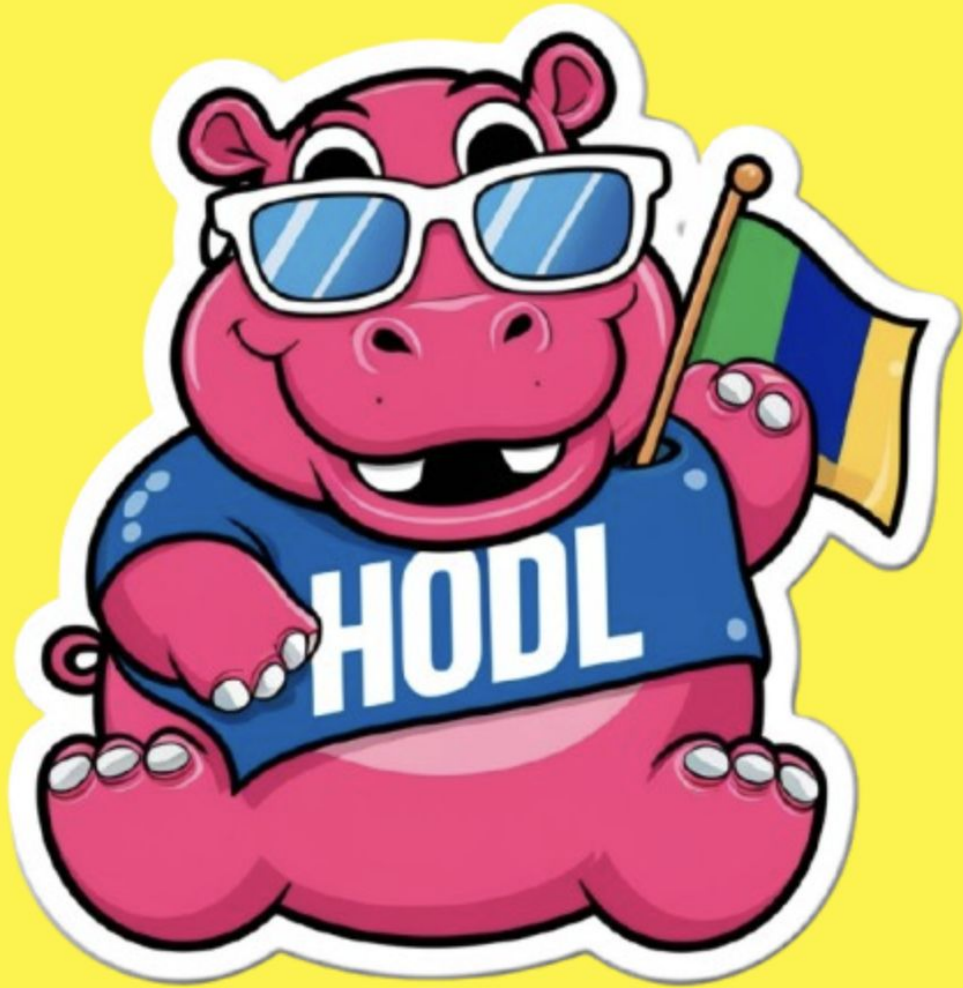
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# HODL HIPPO



## PROJECT DESCRIPTION

Hodl Hippo (HHP) is a meme-based, community-driven cryptocurrency project built on the Binance Smart Chain (BEP20). Inspired by the strength and chill nature of the hippo, HHP symbolizes heavy HODLing power, unshakeable community support, and long-term potential. As a mascot-driven crypto asset, Hodl Hippo merges the viral appeal of memes with real-world crypto utilities, creating a fun yet impactful ecosystem for both newcomers and seasoned investors.

**Release Date:** Presale starts soon

**Category:** Token



# CONTRACT INFO

Token Name

Hodl Hippo

Symbol

HHP

Contract Address

0x9DCCb9Ef4429829DC4f4942DA72B582B45eF9ECf

Network

Binance Smart Chain

Language

Solidity

Deployment Date

May-25-2025

Contract Type

Token

Total Supply

1,000,000,000

Status

Not Launched

## TAXES

Buy Tax

**0%**

Sell Tax

**0%**

\*The owner can update these fees using  
updateFees() up to a maximum of 5%



## Our Contract Review Process

The contract review process pays special  
attention to the following:

- ✓ Testing the smart contracts against both  
common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure  
compliance with current best practices  
and industry standards.
- ✓ Ensuring contract logic meets the  
specifications and intentions of the client.
- ✓ Cross referencing contract structure and  
implementation against similar smart  
contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of  
the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# FEATURED WALLETS

Owner address	0x061419cC5E97c65f7D75343b872f7030b6d80671
Marketing fee receiver	0x061419cC5E97c65f7D75343b872f7030b6d80671
LP address	<b>Pancakeswap:</b> 0xbb3d477a74c0f400a43efb9fb693c48cf08a84cc  <b>Pinksale presale:</b> Not created yet

# TOP 3 UNLOCKED WALLETS

100%	Owner (Before presale setup)



# VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed





# VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed



# VULNERABILITY ANALYSIS

## NO ERRORS FOUND



# MANUAL CODE REVIEW

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When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

## THREAT LEVELS

### High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

### Medium Risk

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Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

### Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

### Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## ⚠ Medium Risk

### Denial of Service (DoS) via Malicious feeReceiver Contract

The contract owner can change the **feeReceiver** address. If transaction fees (currently 0%) are activated by the owner, HHP token fees will be swapped for BNB, which is then sent to this **feeReceiver**. Should the owner set **feeReceiver** to a malicious contract designed to reject incoming BNB (e.g., by reverting), this BNB transfer would fail. Crucially, this failure within the **swapAndSendFee** function is not handled in a way that isolates it from the user's main transaction. As a result, the user's entire transaction (e.g., a sell triggering the fee processing) would revert, effectively allowing the owner to disrupt or halt trading.

```
if (purchasedAmount[msg.sender] == 0) {
    require(amount >= minPurchase, "Amount is less than the minimum purchase");
} else { // ... }

function swapAndSendFee(uint256 tokenAmount) private {
    uint256 initialBalance = address(this).balance;

    address[] memory path = new address[](2);
    path[0] = address(this);
    path[1] = uniswapV2Router.WETH();

    // The token swap with the router IS wrapped in a try/catch:
    try uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
        tokenAmount,
        0, // amountOutMin = 0
        path,
        address(this),
        block.timestamp
    ) {} catch {
        return; // If the token swap itself fails, the function returns early.
    }

    // The subsequent BNB transfer to the feeReceiver is NOT wrapped in a similar try/catch:
    uint256 newBalance = address(this).balance - initialBalance;
    payable(feeReceiver).sendValue(newBalance);
    // If this 'sendValue' call fails (e.g., because 'feeReceiver' is a malicious
    // contract that reverts upon receiving Ether), this line will cause
    // the entire 'swapAndSendFee' function to revert. Since 'swapAndSendFee'
    // is called directly from '_transfer' without its own try/catch,
    // the user's main transaction (like a sell) would also revert.

    emit SwapAndSendFee(tokenAmount, newBalance);
}
```

- **For the HodlHippo Team:** Implement error handling for the BNB transfer to **feeReceiver** (e.g., using **try/catch** around the send or checking its success status) to prevent it from reverting a user's entire transaction if the send fails. Alternatively, commit to using only EOA or simple multi-sig addresses for **feeReceiver**.
- **For Users/Investors:** If fees are activated, be aware of this potential and monitor any changes to the **feeReceiver** address.



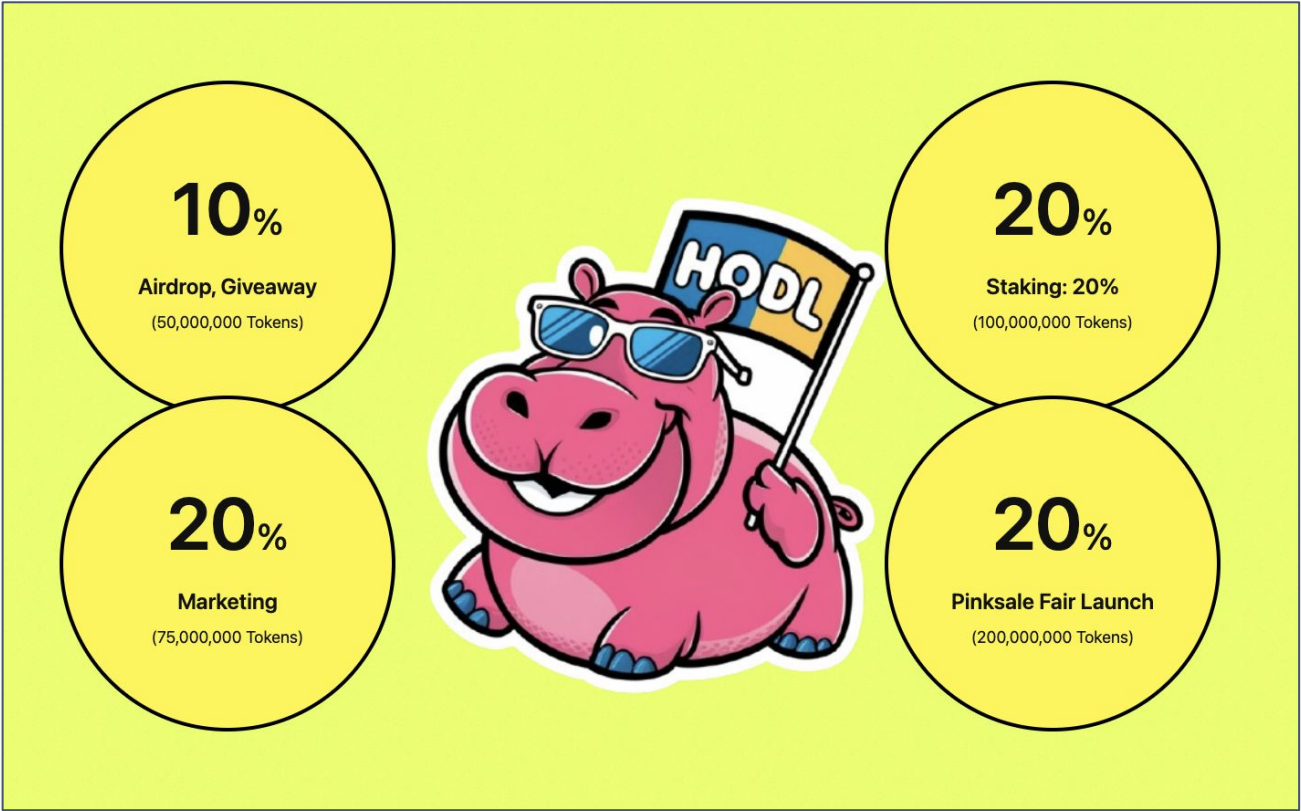
# FOUND THREATS

## Informational

1. **Trading Enabled:** The `enableTrading()` function was successfully called by the owner on May 25, 2025 (tx: `0xbe5f...c838`). This allows general token transfers, buys, and sells.
2. **Current Fees are 0%:** At the time of this report and since deployment, `feeOnBuy`, `feeOnSell`, and `feeOnTransfer` are set to 0%. No transaction taxes are currently active.
3. **Pinksale Presale Context:** The project utilized Pinksale for its presale. Details of this presale, such as LP token locking and the handling of unsold tokens, are important external factors managed via the Pinksale platform.
4. **Owner & Initial `feeReceiver` Address:** The contract deployer, owner, and initial `feeReceiver` is `0x061419cC5E97c65f7D75343b872f7030b6d80671`.
5. **Solidity Version:** Uses Solidity `0.8.19`, which includes built-in arithmetic overflow/underflow protection.
6. **SPDX License:** `MIT` (permissive open-source license).
7. **Standard Practices:** The contract uses standard ERC20 interfaces, emits events for important actions, and includes a basic reentrancy guard for the fee swap mechanism.
8. **`claimStuckTokens` Protection:** The owner cannot use `claimStuckTokens` to withdraw the contract's own HHP tokens.
9. **Chain ID Specific Configuration:** Router and `pinkLock` addresses are correctly configured based on `block.chainid`.



\*The following tokenomics are based on the project's whitepaper and/or website:



# TOKENOMICS



## Website URL

<https://www.hodlhippo.com/>

## Domain Registry

<http://www.namecheap.com>

## Domain Expiration

5/21/2026

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Very nice color scheme and overall layout.

## Content

The information helps new investors understand what the product does right away. No grammar errors found. .

## Whitepaper

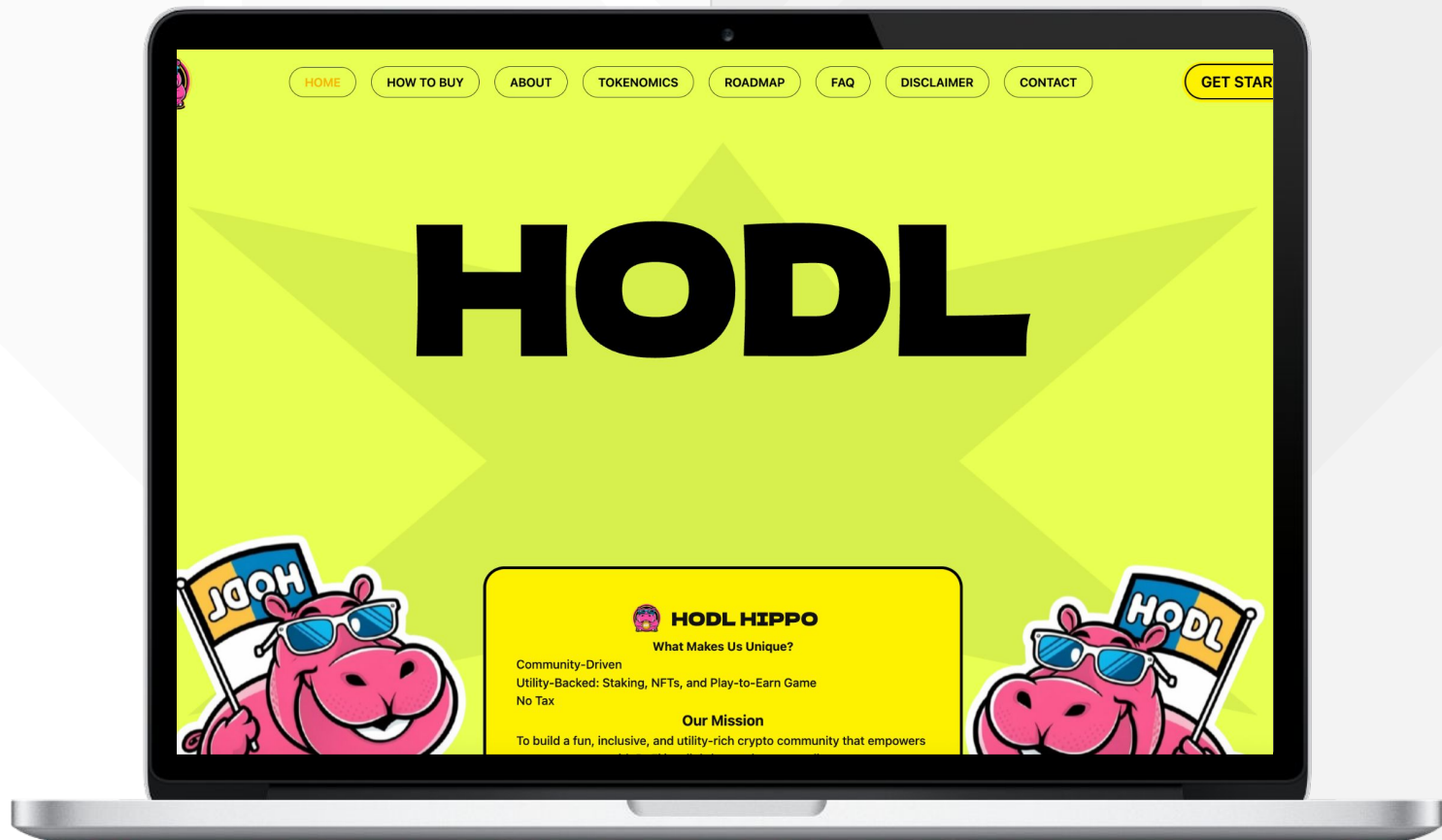
No

## Roadmap

Yes

## Mobile-friendly?

Yes



# hodlhippo.com





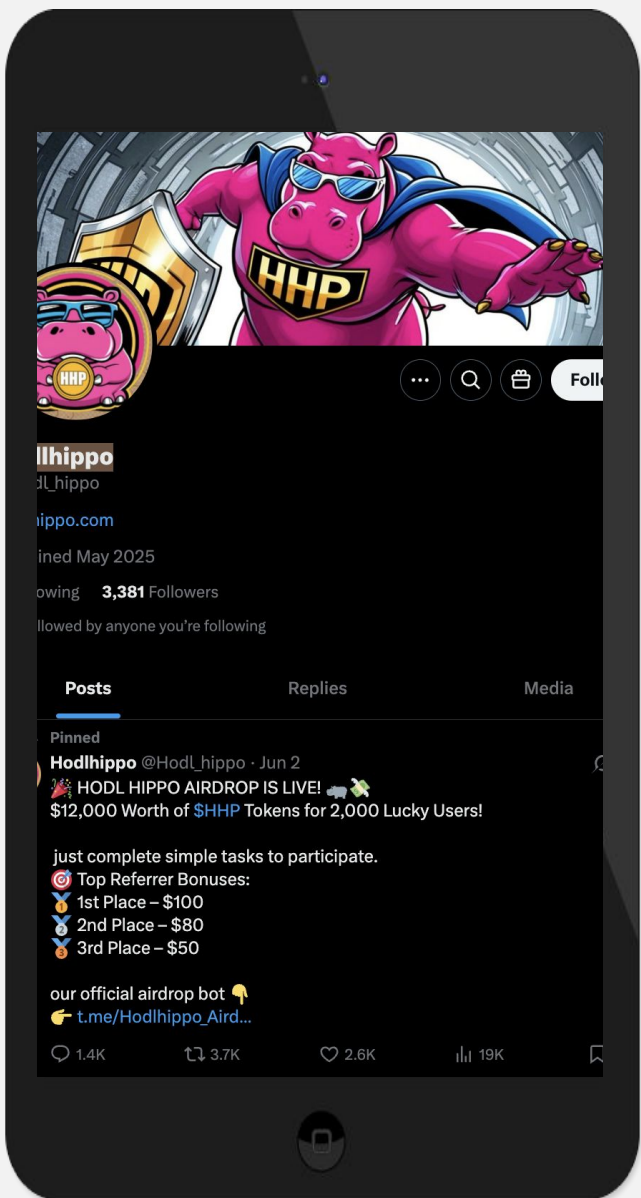
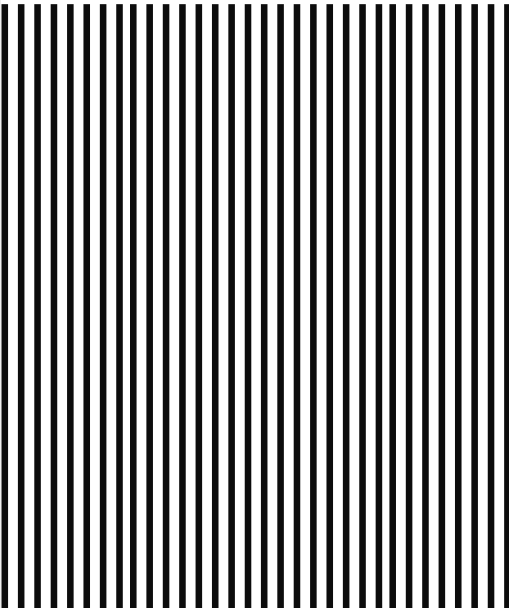
# SOCIAL MEDIA

## & ONLINE PRESENCE



### ANALYSIS

The project's social media pages are active with daily posts.



Twitter's X

@Hodl\_hippo

- 3,381 Followers
- Responds to comments
- Daily posts



Discord

- Not available



Telegram

@hodl\_hippo

- 7,451 subscribers
- Daily announcements



Medium

- Not available





# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.

