



Smart Contract Code and Web Front-End

Review, Testing and Audit

Project: **AGE OF MINING: FORESTVALE**
Launch Date: **AUGUST 15, 2022**
Re-Audit Date: **AUGUST 12, 2022**

- **CONFIDENTIALITY**

This audit report may contain confidential information about blockchain systems and the intellectual property of the Developer/s and its Owner/s, as well as information about potential vulnerabilities and methods of their exploitation. The report can be disclosed publicly after prior consent by another Party. Any subsequent publication of this report shall be without mandatory consent.

- **DOCUMENT**

Project Name	Age Of Mining: Forestvale
Launch Date	August 15, 2022
Audit Date	August 12, 2022
Project Type	ROI Investment
Benchmark	82%
Network	BSC
Website	https://forestvale.ageofmining.com/
Smart Contract	https://bscscan.com/address/0x83368979a9b8f1b1f90986d3b32b8ba161ee26a2#code
Twitter	https://twitter.com/Age_of_Mining
Telegram	https://t.me/ageofmining
Approved By	Encrypto Taller



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- ***ENCRYPTO FINDINGS***

FRONT END

- Basic web UI design.
- All buttons and inputs are fully functional and clickable.
- Some contents need to be up to date
- Mobile responsive.
- Summary:
By checking and manually testing of all button's functionality and other features of Age of Mining: Forestvale's website, The EnCrypto Team for Front End Web Design found no malicious and blank contents from it.

SMART CONTRACT

- Contract Creator
0x024ee5c5ae0f997a47d00d715191aefe11f7dde2
- Compiler Version: v0.4.26+commit.4563c3fc
- Contract Source Code: Solidity
- Audit: Passed
- Summary:
Project was RE-AUDITED; some owner's abilities was removed. As per issues for the auditing review, investors cannot withdraw its capital once it was deposited. By final checking and manually code reading of the AgeOfMining:Forestvale's Smart Contract, the EnCrypto Team found no malicious content, backdoors and scams scripts.

- **SEVERITY RATE**

- **SEVERITY DEFINITIONS**

CRITICAL	HIGH	MEDIUM	LOW
Vulnerabilities and issues that are very high prone to be exploited that may result to serious asset loss and at worst case technical and personal data manipulations.	Vulnerabilities and issues that are difficult to be handled, it allows the smart contract to execute by-passes and public accessibility to crucial functions.	Vulnerabilities and issues that needs minimal customization and modification of codes in the smart contract that needs to be fixed as soon as possible not to cause any asset loss.	Vulnerabilities and issues that may not affect directly to the smart contract but can cause high severity, low functionality and overall execution lags on the smart contract itself.

- **SOCER BUSD SEVERITY OVERVIEW**

CRITICAL	HIGH	MEDIUM	LOW
No critical issues found	Investors/users cannot withdraw its primary capital investment when it was already deposited. Returns/Profit will be on dividends and referrals.	No medium issues found	No medium issues found

- ***OWNER ABILITY SCRIPT***

- Withdrawal/Collection of Fees

- ***USER ABILITY SCRIPT***

- Buy Elves (Deposit BUSD)

- Compound/Recollect "Evergreen" to buy more Elves.
- Sell Evergreen (Withdraw)
- Claim Referral Rewards

- ***PROJECT DETAILS***

- ***AGE OF MINING: FORESTVALE DESCRIPTION***
Project was Re-Audited (Last Audit August 08,2022)

AgeOfMining:Forestvale is a play-to-earn mining farm reward pool in Binance Smart Chain that promises to earn 5% Daily ROI.

Unlike common ROI Investment DApps AOMF wants the user to earn profit in fun way by using exciting and enjoyable type of game with magical creatures like "Elves".

Forestvale was the place where Elves (Miners) mined the "Evergreen" (Token).

- **DEVELOPERS FEE**

Deposit Fee (5%)

Withdrawal Fee (5%)

Additional 1% on Deposit Fee and 1% Withdrawal Fee for Wishing Well Feature.

- **DEPOSIT (SUMMONING ELVES)**

Depositing into the pool means summoning "Elves". Elves produces tokens, (1 Elf = 1 Evergreen/sec), that can be compounded/re-collected or withdrawn.

Elves Price Formula: $\text{Deposit amount} / (\text{Deposit amount} + \text{Contract Balance}) * \text{Market Evergreen} / \text{working time}$.

Minimum Deposit, 50 BUSD.

- **WISHING WELL FEATURE**

1% from the Deposit and 1% from withdrawal was transferred into the Wishing Well.

AOMF feature wherein if no transaction (deposit) happened within 60mins the last investor/user that creates the last transaction will get all the balance from the Wishing Well.

- **FREE ELF FEATURE**

1 Elf for 10 BUSD. AOMF feature wherein investors will get 1 free miner for every new deposit minimum of 50 BUSD.

Ex. 50 BUSD + 10 BUSD = 1 Free Elf

- **COMPOUNDING (RE-COLLECTING)**

Reinvesting the Evergreen to buy more Elves.

Compounding added 5% bonus to the user's token.

- **RECOLLECTING STRATEGY**

Developers suggest to apply this strategy to prevent penalties (re-born of Elves) and gain much more Evergreen.

- Each Recollect cycle should increase 100 ELF

- 100 Elves (16 days Min. Re-Collect Req.)
 - 200 Elves (10 days Min. Re-Collect Req.)
 - 300 Elves (7 days Min. Re-Collect Req.)
 - 400 Elves (6 days Min. Re-Collect Req.)
 - 500 Elves (5 days Min. Re-Collect Req.)
 - 600 Elves (5 days Min. Re-Collect Req.)
 - 700 Elves (4 days Min. Re-Collect Req.)
 - 800 Elves (4 days Min. Re-Collect Req.)
 - 900 Elves (3 days Min. Re-Collect Req.)
 - 1000 Elves (no Min. Re-Collect Req.)
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- **WITHDRAWAL**
 - Withdraw amount (BUSD) Formula: $\text{user tokens} / (\text{user tokens} + \text{Market Tokens}) * \text{Contract Balance}$
 - Penalties will be charged if Recollecting Strategies doesn't apply.
 - Evergreen selling at the middle of the cycle will be blocked.
 - If investor/user attain or hired 1000+ Elves, he/she can sell any time.
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- **REFERRAL SYSTEM**
 - The contract pays a 26% referral commission over 7 levels in the buy and a 4% commission in the sell within a minimum purchase amount.
 - Lvl 1 (Min Purchase 100BUSD) 5%
 - Lvl 2 (Min Purchase 250BUSD) 4%
 - Lvl 3 (Min Purchase 500BUSD) 3%
 - Lvl 4 (Min Purchase 1000BUSD) 2%+1%
 - Lvl 5 (Min Purchase 2500BUSD) 3%+1%
 - Lvl 6 (Min Purchase 5000BUSD) 4%+1%
 - Lvl 7 (Min Purchase 10000BUSD) 5%+1%

SWC REGISTRY

Smart Contract Weakness Classification

The following table contains an overview of the SWC registry. Each row consists of an SWC identifier (ID), weakness title.

SWC - 100	Function Default Visibility	Passed
SWC - 101	Integer Overflow and Underflow	Passed
SWC - 102	Outdated Compiler Version	Passed
SWC - 103	FloatingPragma	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	Delegate call 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
SWC - 119	Shadowing State Variables	Passed
SWC - 120	Weak Sources of Randomness from Chain Attributes	Passed

DISCLAIMER

EnCrypto Team was only able to review the front-end/web design of the project and audit the Smart Contract itself. Team for the front-end/web design review was only able to check it based on its functionality and web aesthetics. On the side of Smart Contract, audits are analyzed, reviewed, and checked based on quality assurance and accordance to the best industrial standard practices of smart contract creation.

Audits does not guarantee any profit and loss but as an Auditors we will do our best to deliver secured projects. We the EnCrypto Team suggests and encourages all investors and users to "DYOR" Do-Your-Own-Research to avoid any scams and capital loss. Any loss and at worst bankruptcy are not our Team's fault.