# WithdrawalVault

- [Source Code](#)
- [Deployed Contract](#)

## What is WithdrawalVault

A simple contract that accumulates partial and full withdrawals that comes from the Beacon Chain. Its address corresponds to the type-0x01 Lido withdrawal credentials. During the accounting oracle report, the vault is emptied by Lido to the internal buffer; see [Lido contract docs](#) for details.

The vault is recoverable, so any ERC-20 and ERC-721 tokens can be transferred to the treasury by DAO.

The currently deployed version is upgradable because of anticipated Ethereum withdrawal mechanics changes.

note The contract is meant to be ossified somewhere after withdrawal credentials triggerable exits are implemented.

## View methods

### getContractVersion()

Returns the current contract version.

function

getContractVersion ( )

returns

( uint256 )

## Methods

### withdrawWithdrawals()

Transfer the_amount of accumulated withdrawals to the Lido contract.

note It can be called only by the [Lido](#) contract. function

withdrawWithdrawals ( uint256 _amount )

### recoverERC20()

Transfers the given amount of the ERC20-token (defined by the provided token contract address) currently belonging to the vault contract address to the Lido treasury address.

Emits aERC20Recovered event.

function

recoverERC20 ( address _token ,

uint256 _amount )

external

**Parameters:**

Name Type Description _token address ERC20-compatible token _amount uint256 token amount to recover

### recoverERC721()

Transfers the given tokenId of the ERC721-compatible NFT (defined by the provided token contract address) currently belonging to the vault contract address to the Lido treasury address.

Emits theERC721Recovered event.

function

recoverERC721 ( address _token ,

uint256 _tokenId )

external

**Parameters:**

Name Type Description _token address ERC721-compatible token _tokenId uint256 minted token id