

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended September 30, 2022

or

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____

Commission File Number 000-56310

Grayscale[®] Litecoin Trust (LTC)

SPONSORED BY GRAYSCALE INVESTMENTS, LLC

(Exact Name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

82-6868171
(I.R.S. Employer
Identification No.)

c/o Grayscale Investments, LLC

290 Harbor Drive, 4th Floor

Stamford, Connecticut 06902

(Address of Principal Executive Offices) (Zip Code)

(212) 668-1427

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(g) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Grayscale Litecoin Trust (LTC) Shares	LTCN	N/A

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	☐	Accelerated filer	☐
Non-accelerated filer	☒	Smaller reporting company	☐
		Emerging growth company	☒

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☒

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

Number of Shares of the registrant outstanding as of October 31, 2022: 17,204,700

GRAYSCALE® LITECOIN TRUST (LTC)
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FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains “forward-looking statements” with respect to the financial conditions, results of operations, plans, objectives, future performance and business of Grayscale Litecoin Trust (LTC) (the “Trust”). Statements preceded by, followed by or that include words such as “may,” “might,” “will,” “should,” “expect,” “plan,” “anticipate,” “believe,” “estimate,” “predict,” “potential” or “continue,” the negative of these terms and other similar expressions are intended to identify some of the forward-looking statements. All statements (other than statements of historical fact) included in this Quarterly Report that address activities, events or developments that will or may occur in the future, including such matters as changes in market prices and conditions, the Trust’s operations, the plans of Grayscale Investments, LLC (the “Sponsor”) and references to the Trust’s future success and other similar matters are forward-looking statements. These statements are only predictions. Actual events or results may differ materially from such statements. These statements are based upon certain assumptions and analyses the Sponsor made based on its perception of historical trends, current conditions and expected future developments, as well as other factors appropriate in the circumstances. Whether or not actual results and developments will conform to the Sponsor’s expectations and predictions, however, is subject to a number of risks and uncertainties, including, but not limited to, those described in “Part II, Item 1A. Risk Factors.” Forward-looking statements are made based on the Sponsor’s beliefs, estimates and opinions on the date the statements are made and neither the Trust nor the Sponsor is under a duty or undertakes an obligation to update forward-looking statements if these beliefs, estimates and opinions or other circumstances should change, other than as required by applicable laws. Investors are therefore cautioned against relying on forward-looking statements.

Unless otherwise stated or the context otherwise requires, the terms “we,” “our” and “us” in this Quarterly Report refer to the Sponsor acting on behalf of the Trust.

A glossary of industry and other defined terms is included in this Quarterly Report, beginning on page 26.

This Quarterly Report supplements and where applicable amends the Memorandum, as defined in the Trust’s Amended and Restated Declaration of Trust and Trust Agreement, for general purposes.

INDUSTRY AND MARKET DATA

Although we are responsible for all disclosure contained in this Quarterly Report on Form 10-Q, in some cases we have relied on certain market and industry data obtained from third-party sources that we believe to be reliable. Market estimates are calculated by using independent industry publications in conjunction with our assumptions regarding the Litecoin industry and market. While we are not aware of any misstatements regarding any market, industry or similar data presented herein, such data involves risks and uncertainties and is subject to change based on various factors, including those discussed under the headings “Forward-Looking Statements” and “Part I, Item 1A. Risk Factors” in the Annual Report on Form 10-K for the year ended June 30, 2022, filed with the Securities and Exchange Commission (the “SEC”) on September 1, 2022 (the “Annual Report”).

PART I – FINANCIAL INFORMATION:

Item 1. Financial Statements (Unaudited)

GRAYSCALE LITECOIN TRUST (LTC)
STATEMENTS OF ASSETS AND LIABILITIES (UNAUDITED)
(Amounts in thousands, except Share and per Share amounts)

	<u>September 30, 2022</u>	<u>June 30, 2022</u>
Assets:		
Investment in LTC, at fair value (cost \$143,340 and \$144,246 as of September 30, 2022 and June 30, 2022, respectively)	\$ 82,611	\$ 79,397
Total assets	<u>\$ 82,611</u>	<u>\$ 79,397</u>
Liabilities:		
Sponsor's Fee payable, related party	\$ -	\$ -
Total liabilities	<u>-</u>	<u>-</u>
Net assets	<u>\$ 82,611</u>	<u>\$ 79,397</u>
Net Assets consists of:		
Paid-in-capital	149,846	149,846
Accumulated net investment loss	(9,976)	(9,427)
Accumulated net realized gain on investment in LTC	3,470	3,827
Accumulated net change in unrealized depreciation on investment in LTC	(60,729)	(64,849)
	<u>\$ 82,611</u>	<u>\$ 79,397</u>
Shares issued and outstanding, no par value (unlimited Shares authorized)	<u>17,204,700</u>	<u>17,204,700</u>
Net asset value per Share	<u>\$ 4.80</u>	<u>\$ 4.61</u>

See accompanying notes to the unaudited financial statements.

GRAYSCALE LITECOIN TRUST (LTC)
SCHEDULES OF INVESTMENT (UNAUDITED)
(Amounts in thousands, except quantity of LTC and percentages)

September 30, 2022

	Quantity of LTC	Cost	Fair Value	% of Net Assets
Investment in LTC	1,534,087.97147226	\$ 143,340	\$ 82,611	100%
Net assets		<u>\$ 143,340</u>	<u>\$ 82,611</u>	<u>100%</u>

June 30, 2022

	Quantity of LTC	Cost	Fair Value	% of Net Assets
Investment in LTC	1,543,785.68163914	\$ 144,246	\$ 79,397	100%
Net assets		<u>\$ 144,246</u>	<u>\$ 79,397</u>	<u>100%</u>

See accompanying notes to the unaudited financial statements.

GRAYSCALE LITECOIN TRUST (LTC)
STATEMENTS OF OPERATIONS (UNAUDITED)
(Amounts in thousands)

	Three Months Ended September 30,	
	2022	2021
Investment income:		
Investment income	\$ -	\$ -
Expenses:		
Sponsor's Fee, related party	549	1,561
Net investment loss	(549)	(1,561)
Net realized and unrealized gain from:		
Net realized (loss) gain on investment in LTC	(357)	639
Net change in unrealized appreciation on investment in LTC	4,120	15,700
Net realized and unrealized gain on investment	3,763	16,339
Net increase in net assets resulting from operations	\$ 3,214	\$ 14,778

See accompanying notes to the unaudited financial statements.

GRAYSCALE LITECOIN TRUST (LTC)
STATEMENTS OF CHANGES IN NET ASSETS (UNAUDITED)
(Amounts in thousands, except change in Shares outstanding)

	Three Months Ended September 30,	
	2022	2021
Increase in net assets from operations:		
Net investment loss	\$ (549)	\$ (1,561)
Net realized (loss) gain on investment in LTC	(357)	639
Net change in unrealized appreciation on investment in LTC	4,120	15,700
Net increase in net assets resulting from operations	3,214	14,778
Increase in net assets from capital share transactions:		
Shares issued	-	4,659
Net increase in net assets resulting from capital share transactions	-	4,659
Total increase in net assets from operations and capital share transactions	3,214	19,437
Net assets:		
Beginning of period	79,397	219,034
End of period	\$ 82,611	\$ 238,471
Change in Shares outstanding:		
Shares outstanding at beginning of period	17,204,700	16,812,000
Shares issued	-	392,700
Net increase in Shares	-	392,700
Shares outstanding at end of period	17,204,700	17,204,700

See accompanying notes to the unaudited financial statements.

GRAYSCALE LITECOIN TRUST (LTC)

NOTES TO THE UNAUDITED FINANCIAL STATEMENTS

1. Organization

Grayscale Litecoin Trust (LTC) (the “Trust”) is a Delaware Statutory Trust that was formed on January 26, 2018 and commenced operations on March 1, 2018. In general, the Trust holds Litecoin (“LTC”) and, from time to time, issues common units of fractional undivided beneficial interest (“Shares”) (in minimum baskets of 100 Shares, referred to as “Baskets”) in exchange for LTC. The redemption of Shares is not currently contemplated and the Trust does not currently operate a redemption program. Subject to receipt of regulatory approval and approval by the Sponsor in its sole discretion, the Trust may in the future operate a redemption program. The Trust currently has no intention of seeking regulatory approval to operate an ongoing redemption program. The Trust’s investment objective is for the value of the Shares (based on LTC per Share) to reflect the value of LTC held by the Trust, less the Trust’s expenses and other liabilities. The Trust may also receive Incidental Rights and/or IR Virtual Currency as a result of the Trust’s investment in LTC, in accordance with the terms of the Trust Agreement.

Incidental Rights are rights to claim, or otherwise establish dominion and control over, any virtual currency or other asset or right, which rights are incident to the Trust’s ownership of LTC and arise without any action of the Trust, or of the Sponsor or Trustee on behalf of the Trust; IR Virtual Currency is any virtual currency tokens, or other asset or right, received by the Trust through the exercise (subject to the applicable provisions of the Trust Agreement) of any Incidental Right.

Grayscale Investments, LLC (“Grayscale” or the “Sponsor”) acts as the Sponsor of the Trust and is a wholly owned subsidiary of Digital Currency Group, Inc. (“DCG”). The Sponsor is responsible for the day-to-day administration of the Trust pursuant to the provisions of the Trust Agreement. Grayscale is responsible for preparing and providing annual and quarterly reports on behalf of the Trust to investors and is also responsible for selecting and monitoring the Trust’s service providers. As partial consideration for the Sponsor’s services, the Trust pays Grayscale a Sponsor’s Fee as discussed in Note 6. The Sponsor also acts as the sponsor and manager of other investment products including Grayscale Basic Attention Token Trust (BAT) (OTCQB: GBAT), Grayscale Bitcoin Trust (BTC) (OTCQX: GBTC), Grayscale Bitcoin Cash Trust (BCH) (OTCQX: BCHG), Grayscale Chainlink Trust (LINK) (OTCQB: GLNK), Grayscale Decentraland Trust (MANA) (OTCQX: MANA), Grayscale Ethereum Trust (ETH) (OTCQX: ETHE), Grayscale Ethereum Classic Trust (ETC) (OTCQX: ETCG), Grayscale Filecoin Trust (FIL) (OTCQB: FILG), Grayscale Horizen Trust (ZEN) (OTCQX: HZEN), Grayscale Livepeer Trust (LPT) (OTCQB: GLIV), Grayscale Solana Trust (SOL), Grayscale Stellar Lumens Trust (XLM) (OTCQX: GXLM), Grayscale Zcash Trust (ZEC) (OTCQX: ZCSH), Grayscale Decentralized Finance (DeFi) Fund LLC, Grayscale Digital Large Cap Fund LLC (OTCQX: GDLC), and Grayscale Smart Contract Platform Ex Ethereum (ETH) Fund LLC, each of which is an affiliate of the Trust. The following investment products sponsored or managed by the Sponsor are also SEC reporting companies with their shares registered pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”): Grayscale Bitcoin Trust (BTC), Grayscale Bitcoin Cash Trust (BCH), Grayscale Ethereum Trust (ETH), Grayscale Ethereum Classic Trust (ETC), Grayscale Horizen Trust (ZEN), Grayscale Stellar Lumens Trust (XLM), Grayscale Zcash Trust (ZEC), and Grayscale Digital Large Cap Fund LLC. Grayscale Advisors, LLC, a Registered Investment Advisor and an affiliate of the Sponsor, is the advisor to the Grayscale Future of Finance (NYSE: GFOF) product.

Authorized Participants of the Trust are the only entities who may place orders to create or, if permitted, redeem Baskets. Genesis Global Trading, Inc. (“Genesis” or, in such capacity, an “Authorized Participant”), a registered broker-dealer and wholly owned subsidiary of DCG, was the only Authorized Participant as of September 30, 2022 and was party to a participant agreement with the Sponsor and the Trust. Additional Authorized Participants may be added at any time, subject to the discretion of the Sponsor. Effective October 3, 2022, Grayscale Securities, LLC (“Grayscale Securities” or, in such capacity, an “Authorized Participant”), a registered broker-dealer and wholly owned subsidiary of the Sponsor, is the only Authorized Participant, and is party to a participant agreement with the Sponsor and the Trust. See Note 10 for additional information.

The custodian of the Trust is Coinbase Custody Trust Company, LLC (the “Custodian”), a third-party service provider. The Custodian is responsible for safeguarding the LTC, Incidental Rights, and IR Virtual Currency held by the Trust, and holding the private key(s) that provide access to the Trust’s digital wallets and vaults.

The transfer agent for the Trust (the “Transfer Agent”) is Continental Stock Transfer & Trust Company. The responsibilities of the Transfer Agent are to maintain creations, redemptions, transfers, and distributions of the Trust’s Shares which are primarily held in book-entry form.

On July 20, 2020, the Trust received notice that its Shares were qualified for public trading on the OTC Pink tier of OTC Markets Group, Inc. On December 7, 2020, the Trust qualified to trade on the OTCQX U.S. Marketplace of the OTC Markets Group, Inc. (“OTCQX”). The Trust’s trading symbol on OTCQX is “LTCN” and the CUSIP number for its Shares is 38963W104.

2. Summary of Significant Accounting Policies

In the opinion of management of the Sponsor of the Trust, all adjustments (which include normal recurring adjustments) necessary to present fairly the financial position as of September 30, 2022 and June 30, 2022 and results of operations for the three months ended September 30, 2022 and 2021 have been made. The results of operations for the periods presented are not necessarily indicative of the results of operations expected for the full year. These unaudited financial statements should be read in conjunction with the audited financial statements for the year ended June 30, 2022 included in the Trust's Annual Report on Form 10-K.

The following is a summary of significant accounting policies followed by the Trust:

The financial statements have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP"). The Trust qualifies as an investment company for accounting purposes pursuant to the accounting and reporting guidance under Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946, *Financial Services – Investment Companies*. The Trust uses fair value as its method of accounting for LTC in accordance with its classification as an investment company for accounting purposes. The Trust is not a registered investment company under the Investment Company Act of 1940. GAAP requires management to make estimates and assumptions that affect the reported amounts in the financial statements and accompanying notes. Actual results could differ from those estimates and these differences could be material.

The Trust conducts its transactions in LTC, including receiving LTC for the creation of Shares and delivering LTC for the redemption of Shares and for the payment of the Sponsor's Fee. At this time, the Trust is not accepting redemption requests from shareholders. Since its inception, the Trust has not held cash or cash equivalents.

Principal Market and Fair Value Determination

To determine which market is the Trust's principal market (or in the absence of a principal market, the most advantageous market) for purposes of calculating the Trust's net asset value ("NAV"), the Trust follows ASC 820-10, which outlines the application of fair value accounting. ASC 820-10 determines fair value to be the price that would be received for LTC in a current sale, which assumes an orderly transaction between market participants on the measurement date. ASC 820-10 requires the Trust to assume that LTC is sold in its principal market to market participants or, in the absence of a principal market, the most advantageous market. Market participants are defined as buyers and sellers in the principal or most advantageous market that are independent, knowledgeable, and willing and able to transact.

The Trust only receives LTC in connection with a creation order from the Authorized Participant and does not itself transact on any Digital Asset Markets. Therefore, the Trust looks to the Authorized Participant when assessing entity-specific and market-based volume and level of activity for Digital Asset Markets. During the three months ended September 30, 2022, the Authorized Participant may transact in a Brokered Market, a Dealer Market, Principal-to-Principal Markets and Exchange Markets, each as defined in the FASB ASC Master Glossary (collectively, "Digital Asset Markets"). The Authorized Participant, as a related party of the Sponsor, provides information about the Digital Asset Markets on which it transacts to the Trust.

In determining which of the eligible Digital Asset Markets is the Trust's principal market, the Trust reviews these criteria in the following order:

First, the Trust reviews a list of Digital Asset Markets and excludes any Digital Asset Markets that are non-accessible to the Trust and the Authorized Participant. Neither the Trust nor the Authorized Participant has access to Digital Asset Exchange Markets that do not have a BitLicense and have access only to non-Digital Asset Exchange Markets that the Authorized Participant reasonably believes are operating in compliance with applicable law, including federal and state licensing requirements, based upon information and assurances provided to it by each market.

Second, the Trust sorts the remaining Digital Asset Markets from high to low by entity-specific and market-based volume and level of activity of LTC traded on each Digital Asset Market in the trailing twelve months.

Third, the Trust then reviews intra-day pricing fluctuations and the degree of variances in price on Digital Asset Markets to identify any material notable variances that may impact the volume or price information of a particular Digital Asset Market.

Fourth, the Trust then selects a Digital Asset Market as its principal market based on the highest market-based volume, level of activity and price stability in comparison to the other Digital Asset Markets on the list. Based on information reasonably available to the Trust, Exchange Markets have the greatest volume and level of activity for the asset. The Trust therefore looks to accessible Exchange Markets as opposed to the Brokered Market, Dealer Market and Principal-to-Principal Markets to determine its principal market. As a result of the analysis, an Exchange Market has been selected as the Trust's principal market.

The Trust determines its principal market (or in the absence of a principal market the most advantageous market) annually and conducts a quarterly analysis to determine (i) if there have been recent changes to each Digital Asset Market's trading volume and level of activity in the trailing twelve months, (ii) if any Digital Asset Markets have developed that the Trust has access to, or (iii) if recent changes to each Digital Asset Market's price stability have occurred that would materially impact the selection of the principal market and necessitate a change in the Trust's determination of its principal market.

The cost basis of the investment in LTC recorded by the Trust for financial reporting purposes is the fair value of LTC at the time of transfer. The cost basis recorded by the Trust may differ from proceeds collected by the Authorized Participant from the sale of the corresponding Shares to investors.

Investment Transactions and Revenue Recognition

The Trust considers investment transactions to be the receipt of LTC for Share creations and the delivery of LTC for Share redemptions or for payment of expenses in LTC. At this time, the Trust is not accepting redemption requests from shareholders. The Trust records its investment transactions on a trade date basis and changes in fair value are reflected as net change in unrealized appreciation or depreciation on investments. Realized gains and losses are calculated using the specific identification method. Realized gains and losses are recognized in connection with transactions including settling obligations for the Sponsor's Fee in LTC.

Fair Value Measurement

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (i.e., the 'exit price') in an orderly transaction between market participants at the measurement date.

GAAP utilizes a fair value hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs are those that market participants would use in pricing the asset or liability based on market data obtained from sources independent of the Trust. Unobservable inputs reflect the Trust's assumptions about the inputs market participants would use in pricing the asset or liability developed based on the best information available in the circumstances.

The fair value hierarchy is categorized into three levels based on the inputs as follows:

- Level 1 – Valuations based on unadjusted quoted prices in active markets for identical assets or liabilities that the Trust has the ability to access. Since valuations are based on quoted prices that are readily and regularly available in an active market, these valuations do not entail a significant degree of judgment.
- Level 2 – Valuations based on quoted prices in markets that are not active or for which significant inputs are observable, either directly or indirectly.
- Level 3 – Valuations based on inputs that are unobservable and significant to the overall fair value measurement.

The availability of valuation techniques and observable inputs can vary by investment. To the extent that valuations are based on sources that are less observable or unobservable in the market, the determination of fair value requires more judgment. Fair value estimates do not necessarily represent the amounts that may be ultimately realized by the Trust.

(Amounts in thousands)	Amount at Fair Value	Fair Value Measurement Using		
		Level 1	Level 2	Level 3
September 30, 2022				
Assets				
Investment in LTC	\$ 82,611	\$ 82,611	\$ -	\$ -
June 30, 2022				
Assets				
Investment in LTC	\$ 79,397	\$ 79,397	\$ -	\$ -

3. Fair Value of LTC

LTC is held by the Custodian on behalf of the Trust and is carried at fair value. As of September 30, 2022 and June 30, 2022, the Trust held 1,534,087.97147226 and 1,543,785.68163914 LTC, respectively.

The Trust determined the fair value per LTC to be \$53.85 and \$51.43 on September 30, 2022 and June 30, 2022, respectively, using the price provided at 4:00 p.m., New York time, by the Digital Asset Exchange Market considered to be the Trust's principal market (Coinbase Pro).

The following represents the changes in quantity of LTC and the respective fair value:

(Amounts in thousands, except LTC amounts)	Quantity	Fair Value
Balance at July 1, 2021	1,546,738.94132574	\$ 219,034
LTC contributed	36,069.55132184	4,658
LTC distributed for Sponsor's Fee, related party	(39,022.81100844)	(5,357)
Net change in unrealized depreciation on investment in LTC	-	(140,651)
Net realized gain on investment in LTC	-	1,713
Balance at June 30, 2022	1,543,785.68163914	\$ 79,397
LTC contributed	-	-
LTC distributed for Sponsor's Fee, related party	(9,697.71016688)	(549)
Net change in unrealized appreciation on investment in LTC	-	4,120
Net realized loss on investment in LTC	-	(357)
Balance at September 30, 2022	1,534,087.97147226	\$ 82,611

4. Creations and Redemptions of Shares

At September 30, 2022 and June 30, 2022, there were an unlimited number of Shares authorized by the Trust. The Trust creates (and, should the Trust commence a redemption program, redeems) Shares from time to time, but only in one or more Baskets. The creation and redemption of Baskets on behalf of investors are made by the Authorized Participant in exchange for the delivery of LTC to the Trust or the distribution of LTC by the Trust. The number of LTC required for each creation Basket or redemption Basket is determined by dividing (x) the number of LTC owned by the Trust at 4:00 p.m., New York time, on such trade date of a creation or redemption order, after deducting the number of LTC representing the U.S. dollar value of accrued but unpaid fees and expenses of the Trust, by (y) the number of Shares outstanding at such time and multiplying the quotient obtained by 100. Each Share represented approximately 0.0892 and 0.0897 of one LTC at September 30, 2022 and June 30, 2022, respectively. The decrease in the number of LTC represented by each Share is primarily a result of the periodic withdrawal of LTC to pay the Sponsor's Fee.

The cost basis of investments in LTC recorded by the Trust is the fair value of LTC, as determined by the Trust, at 4:00 p.m., New York time, on the date of transfer to the Trust by the Authorized Participant based on the creation Baskets. The cost basis recorded by the Trust may differ from proceeds collected by the Authorized Participant from the sale of each Share to investors. The Authorized Participant may realize significant profits buying, selling, creating, and, if permitted, redeeming Shares as a result of changes in the value of Shares or LTC.

At this time, the Trust is not operating a redemption program and is not accepting redemption requests. Subject to receipt of regulatory approval and approval by the Sponsor in its sole discretion, the Trust may in the future operate a redemption program. The Trust currently has no intention of seeking regulatory approval to operate an ongoing redemption program.

5. Income Taxes

The Sponsor takes the position that the Trust is properly treated as a grantor trust for U.S. federal income tax purposes. Assuming that the Trust is a grantor trust, the Trust will not be subject to U.S. federal income tax. Rather, if the Trust is a grantor trust, each beneficial owner of Shares will be treated as directly owning its pro rata Share of the Trust's assets and a pro rata portion of the Trust's income, gain, losses and deductions will "flow through" to each beneficial owner of Shares.

If the Trust were not properly classified as a grantor trust, the Trust might be classified as a partnership for U.S. federal income tax purposes. However, due to the uncertain treatment of digital assets, including forks, airdrops and similar occurrences for U.S. federal income tax purposes, there can be no assurance in this regard. If the Trust were classified as a partnership for U.S. federal income tax purposes, the tax consequences of owning Shares generally would not be materially different from the tax consequences described herein, although there might be certain differences, including with respect to timing. In addition, tax information reports provided to beneficial owners of Shares would be made in a different form. If the Trust were not classified as either a grantor trust or a partnership for U.S. federal income tax purposes, it would be classified as a corporation for such purposes. In that event, the Trust would be subject to entity-level U.S. federal income tax (currently at the rate of 21%) on its net taxable income and certain distributions made by the Trust to shareholders would be treated as taxable dividends to the extent of the Trust's current and accumulated earnings and profits.

In accordance with GAAP, the Trust has defined the threshold for recognizing the benefits of tax return positions in the financial statements as "more-likely-than-not" to be sustained by the applicable taxing authority and requires measurement of a tax position meeting the "more-likely-than-not" threshold, based on the largest benefit that is more than 50% likely to be realized. Tax positions not deemed to meet the "more-likely-than-not" threshold are recorded as a tax benefit or expense in the current period. As of and during the periods ended September 30, 2022 and June 30, 2022, the Trust did not have a liability for any unrecognized tax amounts. However, the

Sponsor's conclusions concerning its determination of "more-likely-than-not" tax positions may be subject to review and adjustment at a later date based on factors including, but not limited to, further implementation guidance, and on-going analyses of and changes to tax laws, regulations and interpretations thereof.

The Sponsor of the Trust has evaluated whether or not there are uncertain tax positions that require financial statement recognition and has determined that no reserves for uncertain tax positions related to federal, state and local income taxes existed as of September 30, 2022 or June 30, 2022.

6. Related Parties

The Trust considers the following entities, their directors, and employees to be related parties of the Trust: DCG, Genesis, Grayscale and CoinDesk Indices, Inc. As of both September 30, 2022 and June 30, 2022, 1,296,956 Shares of the Trust were held by related parties of the Trust.

The Sponsor's parent, an affiliate of the Trust, holds a minority interest in Coinbase, Inc., the parent company of the Custodian, that represents less than 1.0% of Coinbase, Inc.'s ownership.

In accordance with the Trust Agreement governing the Trust, the Trust pays a fee to the Sponsor, calculated as 2.5% of the aggregate value of the Trust's assets, less its liabilities (which include any accrued but unpaid expenses up to, but excluding, the date of calculation), as calculated and published by the Sponsor or its delegates in the manner set forth in the Trust Agreement (the "Sponsor's Fee"). The Sponsor's Fee accrues daily in U.S. dollars and is payable in LTC, monthly in arrears. The amount of LTC payable in respect of each daily U.S. dollar accrual will be determined by reference to the same U.S. dollar value of LTC used to determine such accrual. For purposes of these financial statements, the U.S. dollar value of LTC is determined by reference to the Digital Asset Exchange Market that the Trust considers its principal market as of 4:00 p.m., New York time, on each valuation date. The Trust held no Incidental Rights or IR Virtual Currency as of September 30, 2022 and June 30, 2022. No Incidental Rights or IR Virtual Currencies have been distributed in payment of the Sponsor's Fee during the three months ended September 30, 2022 and 2021.

As partial consideration for receipt of the Sponsor's Fee, the Sponsor is obligated under the Trust Agreement to assume and pay all fees and other expenses incurred by the Trust in the ordinary course of its affairs, excluding taxes, but including marketing fees; administrator fees, if any; custodian fees; transfer agent fees; trustee fees; the fees and expenses related to the listing, quotation or trading of the Shares on any secondary market (including customary legal, marketing and audit fees and expenses) in an amount up to \$600,000 in any given fiscal year; ordinary course legal fees and expenses; audit fees; regulatory fees, including, if applicable, any fees relating to the registration of the Shares under the Securities Act or the Exchange Act; printing and mailing costs; the costs of maintaining the Trust's website and applicable license fees (the "Sponsor-paid Expenses").

The Trust may incur certain extraordinary, non-recurring expenses that are not Sponsor-paid Expenses, including, but not limited to, taxes and governmental charges, expenses and costs of any extraordinary services performed by the Sponsor (or any other service provider) on behalf of the Trust to protect the Trust or the interests of shareholders (including in connection with any Incidental Rights and any IR Virtual Currency), any indemnification of the Custodian or other agents, service providers or counterparties of the Trust, the fees and expenses related to the listing, quotation or trading of the Shares on any secondary market (including legal, marketing and audit fees and expenses) to the extent exceeding \$600,000 in any given fiscal year and extraordinary legal fees and expenses, including any legal fees and expenses incurred in connection with litigation, regulatory enforcement or investigation matters (collectively "Additional Trust Expenses"). In such circumstances, the Sponsor or its delegate (i) will instruct the Custodian to withdraw from the Digital Asset Account LTC, Incidental Rights and/or IR Virtual Currency in such quantity as may be necessary to permit payment of such Additional Trust Expenses and (ii) may either (x) cause the Trust (or its delegate) to convert such LTC, Incidental Rights and/or IR Virtual Currency into U.S. dollars or other fiat currencies at the Actual Exchange Rate or (y) when the Sponsor incurs such expenses on behalf of the Trust, cause the Trust (or its delegate) to deliver LTC, Incidental Rights and/or IR Virtual Currency in kind to the Sponsor in satisfaction of such Additional Trust Expenses.

For the three months ended September 30, 2022 and 2021, the Trust incurred Sponsor's Fees of \$549,154 and \$1,560,427, respectively. As of September 30, 2022 and June 30, 2022, there were no accrued and unpaid Sponsor's Fees. In addition, the Sponsor may pay Additional Trust Expenses on behalf of the Trust, which are reimbursable by the Trust to the Sponsor. For the three months ended September 30, 2022 and 2021, the Sponsor did not pay any Additional Trust Expenses on behalf of the Trust.

On March 2, 2022, the Board of the Sponsor (the "Board") approved the purchase by DCG, the parent company of the Sponsor, of up to \$30 million worth of Shares of the Trust. Subsequently, DCG authorized such purchase. The Share purchase authorization does not obligate DCG to acquire any specific number of Shares in any period, and may be expanded, extended, modified, or discontinued at any time. From March 2, 2022 through September 30, 2022, DCG has purchased a total of \$1.8 million worth of Shares of the Trust.

7. Risks and Uncertainties

The Trust is subject to various risks including market risk, liquidity risk, and other risks related to its concentration in a single asset, LTC. Investing in LTC is currently highly speculative and volatile.

The net asset value of the Trust relates primarily to the value of LTC held by the Trust, and fluctuations in the price of LTC could materially and adversely affect an investment in the Shares of the Trust. The price of LTC has a limited history. During such history, LTC prices have been volatile and subject to influence by many factors, including the levels of liquidity. If Digital Asset Markets continue to experience significant price fluctuations, the Trust may experience losses. Several factors may affect the price of LTC, including, but not limited to, global LTC supply and demand, theft of LTC from global exchanges or vaults, competition from other forms of digital currency or payment services, global or regional political, economic or financial conditions, and other unforeseen events and situations.

The LTC held by the Trust are commingled and the Trust's shareholders have no specific rights to any specific LTC. In the event of the insolvency of the Trust, its assets may be inadequate to satisfy a claim by its shareholders.

There is currently no clearing house for LTC, nor is there a central or major depository for the custody of LTC. There is a risk that some or all of the Trust's LTC could be lost or stolen. There can be no assurance that the Custodian will maintain adequate insurance or that such coverage will cover losses with respect to the Trust's LTC. Further, transactions in LTC are irrevocable. Stolen or incorrectly transferred LTC may be irretrievable. As a result, any incorrectly executed LTC transactions could adversely affect an investment in the Shares.

The Securities and Exchange Commission (the "SEC") has stated that certain digital assets may be considered "securities" under the federal securities laws. The test for determining whether a particular digital asset is a "security" is complex and difficult to apply, and the outcome is difficult to predict. Public, though non-binding, statements by senior officials at the SEC have indicated that the SEC did not consider Bitcoin or Ethereum to be securities, and does not currently consider Bitcoin to be a security. The SEC staff has also provided informal assurances to a handful of promoters that their digital assets are not securities. On the other hand, the SEC has brought enforcement actions against the issuers and promoters of several other digital assets on the basis that the digital assets in question are securities.

If LTC is determined to be a "security" under federal or state securities laws by the SEC or any other agency, or in a proceeding in a court of law or otherwise, it may have material adverse consequences for LTC. For example, it may become more difficult for LTC to be traded, cleared and custodied as compared to other digital assets that are not considered to be securities, which could, in turn, negatively affect the liquidity and general acceptance of LTC and cause users to migrate to other digital assets. As such, any determination that LTC is a security under federal or state securities laws may adversely affect the value of LTC and, as a result, an investment in the Shares.

To the extent that LTC is determined to be a security, the Trust and the Sponsor may also be subject to additional regulatory requirements, including those under the Investment Company Act of 1940, and the Sponsor may be required to register as an investment adviser under the Investment Advisers Act of 1940. If the Sponsor determines not to comply with such additional regulatory and registration requirements, the Sponsor will terminate the Trust. Any such termination could result in the liquidation of the Trust's LTC at a time that is disadvantageous to shareholders.

To the extent a private key required to access an LTC address is lost, destroyed or otherwise compromised and no backup of the private keys are accessible, the Trust may be unable to access the LTC controlled by the private key and the private key will not be capable of being restored by the Litecoin Network. The processes by which LTC transactions are settled are dependent on the peer-to-peer network, and as such, the Trust is subject to operational risk. A risk also exists with respect to previously unknown technical vulnerabilities, which may adversely affect the value of LTC.

The Trust relies on third party service providers to perform certain functions essential to its operations. Any disruptions to the Trust's or the Trust's service providers' business operations resulting from business restrictions, quarantines or restrictions on the ability of personnel to perform their jobs as a result of the COVID-19 pandemic could have an adverse impact on the Trust's ability to access critical services and would be disruptive to the operation of the Trust.

8. Financial Highlights Per Share Performance

	Three Months Ended September 30,	
	2022	2021
Per Share Data:		
Net asset value, beginning of period	\$ 4.61	\$ 13.03
Net increase in net assets from investment operations:		
Net investment loss	(0.03)	(0.09)
Net realized and unrealized gain	0.22	0.92
Net increase in net assets resulting from operations	0.19	0.83
Net asset value, end of period	\$ 4.80	\$ 13.86
Total return	4.12%	6.37%
<i>Ratios to average net assets:</i>		
Net investment loss	-2.50%	-2.50%
Expenses	-2.50%	-2.50%

Ratios of net investment loss and expenses to average net assets have been annualized.

An individual shareholder's return, ratios, and per Share performance may vary from those presented above based on the timing of Share transactions. The amount shown for a Share outstanding throughout the period may not correlate with the Statement of Operations for the period due to the number of Shares issued in Creations occurring at an operational value derived from an operating metric as defined in the Trust Agreement.

Total return is calculated assuming an initial investment made at the net asset value at the beginning of the period and assuming redemption on the last day of the period.

9. Indemnifications

In the normal course of business, the Trust enters into certain contracts that provide a variety of indemnities, including contracts with the Sponsor and affiliates of the Sponsor, DCG and its officers, directors, employees, subsidiaries and affiliates, and the Custodian as well as others relating to services provided to the Trust. The Trust's maximum exposure under these and its other indemnities is unknown. However, no liabilities have arisen under these indemnities in the past and, while there can be no assurances in this regard, there is no expectation that any will occur in the future. Therefore, the Sponsor does not consider it necessary to record a liability in this regard.

10. Subsequent Events

On October 3, 2022, the Sponsor of the Trust entered into a distribution and marketing agreement (the “Distribution and Marketing Agreement”) with Grayscale Securities to assist the Sponsor in distributing the Shares of the Trust, developing an ongoing marketing plan for the Trust, preparing marketing materials regarding the Shares, including the content on the Trust’s website, and executing the marketing plan for the Trust. As a result, effective October 3, 2022, Grayscale Securities is the distributor and marketer of the Shares. Grayscale Securities is a registered broker-dealer with the SEC and is a member of FINRA.

On October 3, 2022, the Sponsor entered into a participant agreement (the “Participant Agreement”) with Grayscale Securities, pursuant to which Grayscale Securities has agreed to act as an Authorized Participant of the Trust. The Participant Agreement provides the procedures for the creation of Shares of the Trust through the Authorized Participant, which are substantially similar to the procedures for the creation of Shares set forth in the Trust’s existing participant agreement with Genesis, except that the Authorized Participant may engage one or more service providers (any such service provider, a “Liquidity Provider”) to source LTC on behalf of the Authorized Participant in connection with the creation of Shares. Effective October 3, 2022, Grayscale Securities is the only acting Authorized Participant of the Trust. Grayscale Securities has engaged Genesis as a Liquidity Provider.

On October 3, 2022, in connection with the entry into the Distribution and Marketing Agreement with Grayscale Securities, the Sponsor and Genesis agreed to terminate the distribution and marketing agreement, dated November 15, 2019, among the Sponsor, the Trust and Genesis, pursuant to which Genesis assisted the Sponsor in distributing the Shares. As a result, effective October 3, 2022, Genesis is no longer acting as the distributor and marketer of the Shares of the Trust.

On October 3, 2022, the Sponsor and Genesis agreed to terminate the participant agreement, dated January 11, 2019, among the Sponsor, the Trust and Genesis, which provided the procedures for the creation of Shares. As a result, effective October 3, 2022, Genesis is no longer acting as an Authorized Participant of the Trust but will continue to serve as a Liquidity Provider.

As of the close of business on October 31, 2022, the fair value of LTC determined in accordance with the Trust’s accounting policy was \$55.03 per LTC.

There are no known events that have occurred that require disclosure other than that which has already been disclosed in these notes to the financial statements.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis of our financial condition and results of operations should be read together with, and is qualified in its entirety by reference to, our unaudited financial statements and related notes included elsewhere in this Quarterly Report, which have been prepared in accordance with generally accepted accounting principles in the United States ("U.S. GAAP"). The following discussion may contain forward-looking statements based on assumptions we believe to be reasonable. Our actual results could differ materially from those discussed in these forward-looking statements. Factors that could cause or contribute to these differences include, but are not limited to, those set forth under "Part II, Item 1A. Risk Factors" in this Quarterly Report, or in "Part I, Item 1A. Risk Factors" and "Forward-Looking Statements" or other sections of our Annual Report on Form 10-K for the year ended June 30, 2022.

Trust Overview

The Trust is a passive entity that is managed and administered by the Sponsor and does not have any officers, directors or employees. The Trust holds LTC and, from time to time on a periodic basis, issues Creation Baskets in exchange for deposits of LTC. As a passive investment vehicle, the Trust's investment objective is for the value of the Shares (based on LTC per Share) to reflect the value of LTC held by the Trust, determined by reference to the Index Price, less the Trust's expenses and other liabilities. To date, the Trust has not met its investment objective and the Shares quoted on OTCQX have not reflected the value of LTC held by the Trust, less the Trust's expenses and other liabilities, but instead have traded at both premiums and discounts to such value, which at times have been substantial. The Trust is not managed like a business corporation or an active investment vehicle.

Critical Accounting Policies and Estimates

Investment Transactions and Revenue Recognition

The Trust considers investment transactions to be the receipt of LTC for Share creations and the delivery of LTC for Share redemptions or for payment of expenses in LTC. At this time, the Trust is not accepting redemption requests from shareholders. The Trust records its investment transactions on a trade date basis and changes in fair value are reflected as net change in unrealized appreciation or depreciation on investments. Realized gains and losses are calculated using the specific identification method. Realized gains and losses are recognized in connection with transactions including settling obligations for the Sponsor's Fee in LTC.

Principal Market and Fair Value Determination

To determine which market is the Trust's principal market (or in the absence of a principal market, the most advantageous market) for purposes of calculating the Trust's net asset value ("NAV"), the Trust follows Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 820-10, which outlines the application of fair value accounting. ASC 820-10 determines fair value to be the price that would be received for LTC in a current sale, which assumes an orderly transaction between market participants on the measurement date. ASC 820-10 requires the Trust to assume that LTC is sold in its principal market to market participants or, in the absence of a principal market, the most advantageous market. Market participants are defined as buyers and sellers in the principal or most advantageous market that are independent, knowledgeable, and willing and able to transact.

Effective October 3, 2022, the Sponsor entered into a Participant Agreement with Grayscale Securities, a wholly owned subsidiary of the Sponsor and an affiliate and related party of the Trust, pursuant to which Grayscale Securities has agreed to act as an Authorized Participant of the Trust. The Participant Agreement provides the procedures for the creation of Shares of the Trust through the Authorized Participant, which are substantially similar to the procedures for the creation of Shares set forth in the Trust's existing participant agreement with Genesis, except that the Authorized Participant may engage a Liquidity Provider to source LTC on behalf of the Authorized Participant in connection with the creation of Shares. Effective October 3, 2022, Grayscale Securities is the only acting Authorized Participant of the Trust. Grayscale Securities has engaged Genesis as a Liquidity Provider.

The Trust only receives LTC in connection with a creation order from the Authorized Participant and does not itself transact on any Digital Asset Markets. Therefore, the Trust looks to market-based volume and level of activity for Digital Asset Markets and may look to an Authorized Participant, or an Authorized Participant's Liquidity Provider(s), when assessing entity-specific volume and level of activity for Digital Asset Markets. The Authorized Participant(s), or a Liquidity Provider on behalf of the Authorized Participant(s), may transact in a Brokered Market, a Dealer Market, Principal-to-Principal Markets and Exchange Markets, each as defined in the FASB ASC Master Glossary. In determining which of the eligible Digital Asset Markets is the Trust's principal market, the Trust reviews these criteria in the following order:

- First, the Trust reviews a list of Digital Asset Markets and excludes any Digital Asset Markets that are non-accessible to the Trust and the Authorized Participant(s). As of September 30, 2022, neither the Trust nor the Authorized Participant(s) has access to Digital Asset Exchanges that do not have a BitLicense, which would require a Digital Asset Exchange to follow anti-money laundering ("AML") and know-your-customer ("KYC") procedures, and have access only to non-Digital Asset

Exchange Markets that the Authorized Participant reasonably believes are operating in compliance with applicable law, including federal and state licensing requirements, based upon information and assurances provided to it by each market.

- Second, the Trust sorts the remaining Digital Asset Markets from high to low by entity-specific and market-based volume and activity of LTC traded on each Digital Asset Market in the trailing twelve months.
- Third, the Trust then reviews intra-day pricing fluctuations and the degree of variances in price on Digital Asset Markets to identify any material notable variances that may impact the volume or price information of a particular Digital Asset Market.
- Fourth, the Trust then selects a Digital Asset Market as its principal market based on the highest market volume, activity and price stability in comparison to the other Digital Asset Markets on the list. Based on information reasonably available to the Trust, Exchange Markets have the greatest volume and level of activity for the asset. The Trust therefore looks to accessible Exchange Markets as opposed to the Brokered Market, Dealer Market and Principal-to-Principal Markets to determine its principal market. As a result of the aforementioned analysis, an Exchange Market has been selected as the Trust's principal market.

The Trust determines its principal market (or in the absence of a principal market the most advantageous market) annually and conducts a quarterly analysis to determine (i) if there have been recent changes to each Digital Asset Market's trading volume and level of activity in the trailing twelve months, (ii) if any Digital Asset Markets have developed that the Trust has access to, or (iii) if recent changes to each Digital Asset Market's price stability have occurred that would materially impact the selection of the principal market and necessitate a change in the Trust's determination of its principal market.

The cost basis of the investment in LTC recorded by the Trust for financial reporting purposes is the fair value of LTC at the time of transfer. The cost basis recorded by the Trust may differ from proceeds collected by an Authorized Participant from the sale of the corresponding Shares to investors.

Investment Company Considerations

The Trust is an investment company for GAAP purposes and follows accounting and reporting guidance in accordance with the FASB ASC Topic 946, *Financial Services – Investment Companies*. The Trust uses fair value as its method of accounting for LTC in accordance with its classification as an investment company for accounting purposes. The Trust is not a registered investment company under the Investment Company Act of 1940. GAAP requires management to make estimates and assumptions that affect the reported amounts in the financial statements and accompanying notes. Actual results could differ from those estimates and these differences could be material.

Review of Financial Results (unaudited)

Financial Highlights for the Three Months Ended September 30, 2022 and 2021

(All amounts in the following table and the subsequent paragraphs, except Share, per Share, LTC and price of LTC amounts, are in thousands)

	Three Months Ended September 30,	
	2022	2021
Net realized and unrealized gain on investment in LTC	\$ 3,763	\$ 16,339
Net increase in net assets resulting from operations	\$ 3,214	\$ 14,778
Net assets	\$ 82,611	\$ 238,471

Net realized and unrealized gain on investment in LTC for the three months ended September 30, 2022 was \$3,763 which includes a realized loss of \$(357) on the transfer of LTC to pay the Sponsor's Fee and net change in unrealized appreciation on investment in LTC of \$4,120. Net realized and unrealized gain on investment in LTC for the period was driven by LTC price appreciation from \$51.43 per LTC as of June 30, 2022 to \$53.85 per LTC as of September 30, 2022. Net increase in net assets resulting from operations was \$3,214 for the three months ended September 30, 2022, which consisted of the net realized and unrealized gain on investment in LTC, less the Sponsor's Fee of \$549. Net assets increased to \$82,611 at September 30, 2022, a 4% increase for the three-month period. The increase in net assets resulted from the aforementioned LTC price appreciation, partially offset by the withdrawal of approximately 9,698 LTC to pay the foregoing Sponsor's Fee.

Net realized and unrealized gain on investment in LTC for the three months ended September 30, 2021 was \$16,339 which includes a realized gain of \$639 on the transfer of LTC to pay the Sponsor's Fee and net change in unrealized appreciation on investment in LTC of \$15,700. Net realized and unrealized gain on investment in LTC for the period was driven by LTC price appreciation from \$141.61 per LTC as of June 30, 2021 to \$151.61 per LTC as of September 30, 2021. Net increase in net assets resulting from operations was

\$14,778 for the three months ended September 30, 2021, which consisted of the net realized and unrealized gain on investment in LTC, less the Sponsor's Fee of \$1,561. Net assets increased to \$238,471 at September 30, 2021, a 9% increase for the three-month period. The increase in net assets resulted from the LTC price appreciation and the contribution of approximately 36,070 LTC with a value of \$4,659 to the Trust in connection with Share creations during the period, partially offset by the withdrawal of approximately 9,884 LTC to pay the foregoing Sponsor's Fee.

Cash Resources and Liquidity

The Trust has not had a cash balance at any time since inception. When selling LTC, Incidental Rights and/or IR Virtual Currency in the Digital Asset Market to pay Additional Trust Expenses on behalf of the Trust, the Sponsor endeavors to sell the exact number of LTC, Incidental Rights and/or IR Virtual Currency needed to pay expenses in order to minimize the Trust's holdings of assets other than LTC. As a consequence, the Sponsor expects that the Trust will not record any cash flow from its operations and that its cash balance will be zero at the end of each reporting period. Furthermore, the Trust is not a party to any off-balance sheet arrangements.

In exchange for the Sponsor's Fee, the Sponsor has agreed to assume most of the expenses incurred by the Trust. As a result, the only ordinary expense of the Trust during the periods covered by this Quarterly Report was the Sponsor's Fee. The Trust is not aware of any trends, demands, conditions or events that are reasonably likely to result in material changes to its liquidity needs.

Selected Operating Data

	Three Months Ended September 30,	
	2022	2021
	(All LTC balances are rounded to the nearest whole LTC)	
LTC:		
Opening balance	1,543,786	1,546,739
Creations	-	36,070
Sponsor's Fee, related party	(9,698)	(9,884)
Closing balance	1,534,088	1,572,925
Accrued but unpaid Sponsor's Fee, related party	-	-
Net closing balance	1,534,088	1,572,925
Number of Shares:		
Opening balance	17,204,700	16,812,000
Creations	-	392,700
Closing balance	17,204,700	17,204,700
	As of September 30,	
	2022	2021
Price of LTC on principal market ⁽¹⁾	\$ 53.85	\$ 151.61
NAV per Share ⁽²⁾	\$ 4.80	\$ 13.86
Index Price	\$ 53.87	\$ 151.87
Digital Asset Holdings per Share ⁽³⁾	\$ 4.80	\$ 13.88

- (1) The Trust performed an assessment of the principal market at September 30, 2022 and 2021, and identified the principal market as Coinbase Pro.
- (2) As of September 30, 2022 and 2021 the NAV per Share was calculated using the fair value of LTC based on the price provided by Coinbase Pro, the Digital Asset Exchange that the Trust currently considers its principal market, as of 4:00 p.m., New York time, on the valuation date.
- (3) The Trust's Digital Asset Holdings per Share is derived from the Index Price as represented by the Index as of 4:00 p.m., New York time, on the valuation date. The Trust's Digital Asset Holdings per Share is calculated using a non-GAAP methodology where the price is derived from multiple Digital Asset Exchanges. See "Item 1. Business—Overview of the LTC Industry and Market—LTC Value—The Index and the Index Price" in the Trust's Annual Report on Form 10-K for a description of the Index and the Index Price. Effective July 23, 2022, the Index Provider added FTX.US to the Index due to the exchange meeting the minimum liquidity requirements and did not remove any Constituent Exchanges as part of its scheduled quarterly review. The Digital Asset Exchanges used to calculate the Index Price as of September 30, 2022 were Coinbase Pro, Bitstamp, Kraken, LMAX Digital, and FTX.US. As of September 30, 2021, the Digital Asset Exchanges used to calculate the Index Price consisted of Coinbase Pro, Bitstamp, Kraken, and LMAX Digital. See "Item 1. Business—Valuation of LTC and Determination of the Trust's

Digital Asset Holdings” in the Trust’s Annual Report on Form 10-K for a description of the Trust’s Digital Asset Holdings per Share.

For accounting purposes, the Trust reflects creations and the LTC receivable with respect to such creations on the date of receipt of a notification of a creation but does not issue Shares until the requisite number of LTC is received. At this time, the Trust is not accepting redemption requests from shareholders. Subject to receipt of regulatory approval from the SEC and approval by the Sponsor in its sole discretion, the Trust may in the future operate a redemption program. The Trust currently has no intention of seeking regulatory approval to operate an ongoing redemption program.

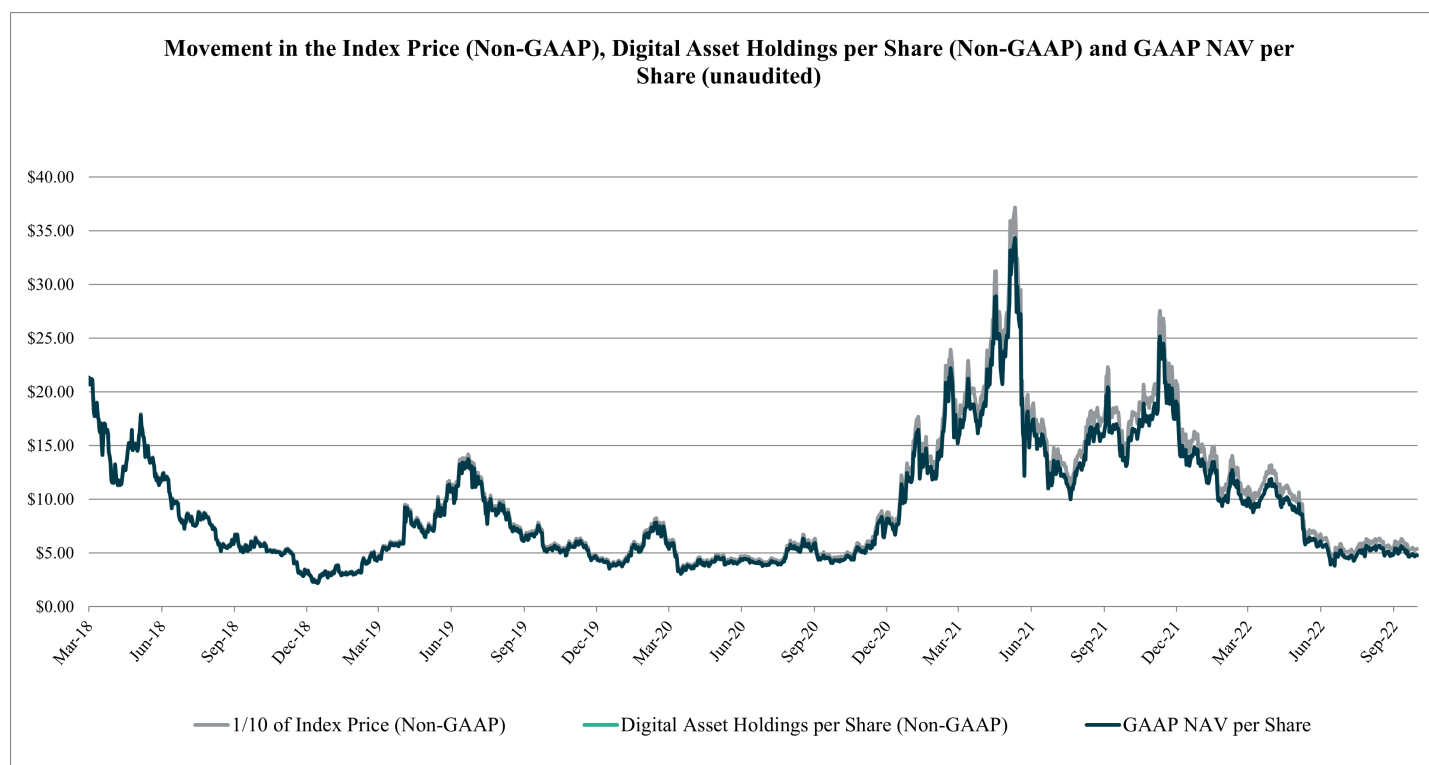
As of September 30, 2022, the Trust had a net closing balance with a value of \$82,641,319, based on the Index Price (non-GAAP methodology). As of September 30, 2022, the Trust had a total market value of \$82,610,637, based on the principal market (Coinbase Pro).

As of September 30, 2021, the Trust had a net closing balance with a total value of \$238,880,111, based on the Index Price (non-GAAP methodology). As of September 30, 2021, the Trust had a total market value of \$238,471,150, based on the principal market (Coinbase Pro).

Historical Digital Asset Holdings and LTC Prices

As movements in the price of LTC will directly affect the price of the Shares, investors should understand recent movements in the price of LTC. Investors, however, should also be aware that past movements in the LTC price are not indicators of future movements. Movements may be influenced by various factors, including, but not limited to, government regulation, security breaches experienced by service providers, as well as political and economic uncertainties around the world.

The following chart illustrates the movement in the Trust’s Digital Asset Holdings per Share versus the Index Price and the Trust’s NAV per Share from March 1, 2018 to September 30, 2022.



The following table illustrates the movements in the Index Price from the beginning of the Trust’s operations on March 1, 2018 to September 30, 2022. Since the beginning of the Trust’s operations, the Index Price has ranged from \$22.48 to \$371.71, with the straight average being \$97.70 through September 30, 2022. The Sponsor has not observed a material difference between the Index Price and average prices from the constituent Digital Asset Exchanges individually or as a group.

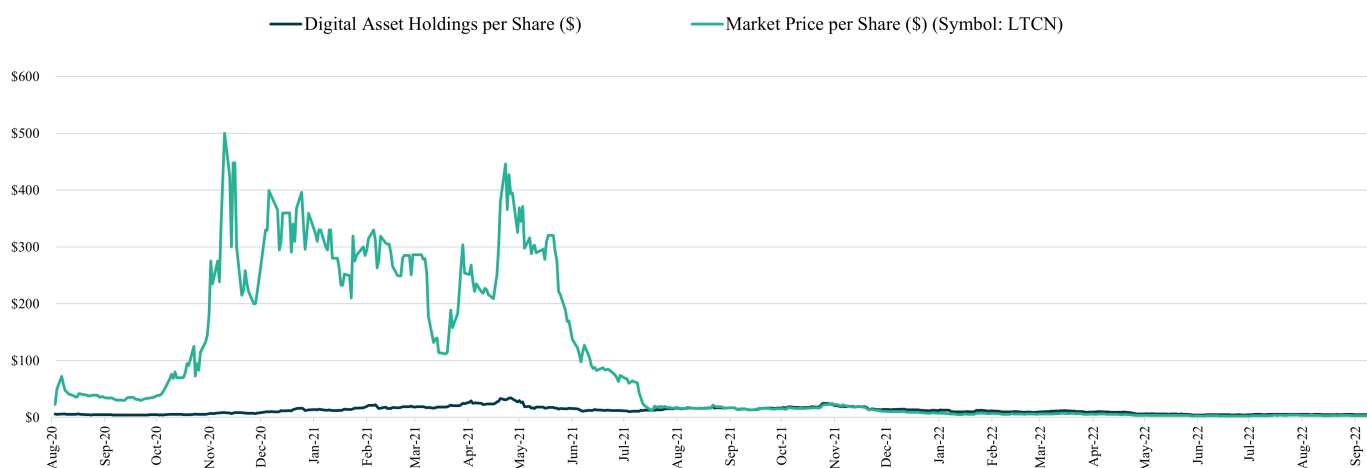
Period	Average	High		Low		End of period	Last business day
		Index Price	Date	Index Price	Date		
March 1, 2018 (the first Creation Basket of the Trust) to September 30, 2018	\$ 106.61	\$ 213.58	3/1/2018	\$ 51.26	9/11/2018	\$ 60.80	\$ 64.85
Twelve months ended September 30, 2019	\$ 66.76	\$ 142.00	6/22/2019	\$ 22.48	12/14/2018	\$ 55.72	\$ 55.72
Twelve months ended September 30, 2020	\$ 50.69	\$ 82.52	2/14/2020	\$ 32.16	3/16/2020	\$ 45.92	\$ 45.92
Twelve months ended September 30, 2021	\$ 156.72	\$ 371.71	5/11/2021	\$ 44.77	10/2/2020	\$ 151.87	\$ 151.87
Twelve months ended September 30, 2022	\$ 111.53	\$ 275.50	11/10/2021	\$ 42.68	6/18/2022	\$ 53.87	\$ 53.87
March 1, 2018 (the first Creation Basket of the Trust) to September 30, 2022	\$ 97.70	\$ 371.71	5/11/2021	\$ 22.48	12/14/2018	\$ 53.87	\$ 53.87

The following table illustrates the movements in the Digital Asset Market price of LTC, as reported on the Trust's principal market, from the beginning of the Trust's operations on March 1, 2018 to September 30, 2022. Since the beginning of the Trust's operations, the price of LTC has ranged from \$22.47 to \$371.96, with the straight average being \$97.71 through September 30, 2022.

Period	Average	High		Low		End of period	Last business day
		Digital Asset Market Price	Date	Digital Asset Market Price	Date		
March 1, 2018 (the first Creation Basket of the Trust) to September 30, 2018	\$ 106.65	\$ 213.49	3/1/2018	\$ 51.26	9/11/2018	\$ 60.91	\$ 64.74
Twelve months ended September 30, 2019	\$ 66.77	\$ 141.89	6/22/2019	\$ 22.47	12/14/2018	\$ 55.71	\$ 55.71
Twelve months ended September 30, 2020	\$ 50.69	\$ 82.52	2/14/2020	\$ 32.27	3/16/2020	\$ 45.88	\$ 45.88
Twelve months ended September 30, 2021	\$ 156.73	\$ 371.96	5/11/2021	\$ 44.75	10/2/2020	\$ 151.61	\$ 151.61
Twelve months ended September 30, 2022	\$ 111.53	\$ 275.95	11/10/2021	\$ 42.61	6/18/2022	\$ 53.85	\$ 53.85
March 1, 2018 (the first Creation Basket of the Trust) to September 30, 2022	\$ 97.71	\$ 371.96	5/11/2021	\$ 22.47	12/14/2018	\$ 53.85	\$ 53.85

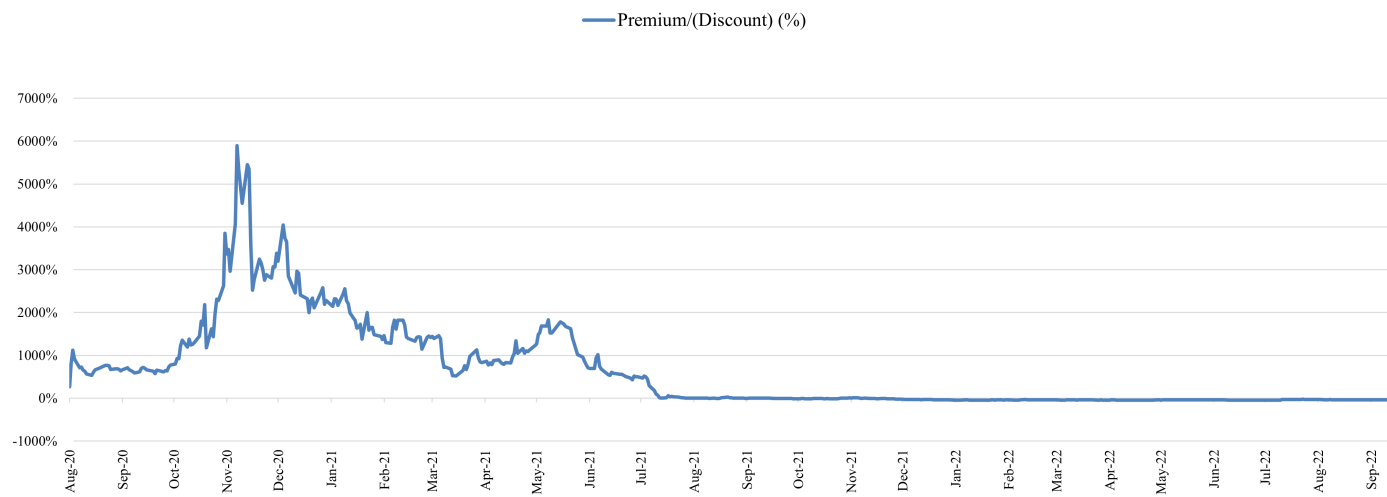
The following chart sets out the historical closing prices for the Shares as reported by OTCQX and the Trust's Digital Asset Holdings per Share.

LTCN Premium/(Discount): LTCN Share Price vs. Digital Asset Holdings per Share (\$)



The following chart sets out the historical premium and discount for the Shares as reported by OTCQX and the Trust's Digital Asset Holdings per Share.

LTCN Premium/(Discount): LTCN Share Price vs. Digital Asset Holdings per Share (%)



Item 3. Quantitative and Qualitative Disclosures about Market Risk

The Trust Agreement does not authorize the Trustee to borrow for payment of the Trust's ordinary expenses. The Trust does not engage in transactions in foreign currencies which could expose the Trust or holders of Shares to any foreign currency related market risk. The Trust does not invest in derivative financial instruments and has no foreign operations or long-term debt instruments.

Item 4. Controls and Procedures

The Trust maintains disclosure controls and procedures that are designed to ensure that information required to be disclosed in its Exchange Act reports is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to the Principal Executive Officer and Principal Financial and Accounting Officer of the Sponsor, and to the audit committee of the Board of Directors of the Sponsor, as appropriate, to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of the Principal Executive Officer and the Principal Financial and Accounting Officer of the Sponsor, the Sponsor conducted an evaluation of the Trusts disclosure controls and procedures, as defined under Exchange Act Rule 13a-15(e). Based on this evaluation, the Principal Executive Officer and the Principal Financial and Accounting Officer of the Sponsor concluded that the Trust's disclosure controls and procedures were effective as of the end of the period covered by this report.

Changes in Internal Control Over Financial Reporting

There was no change in the Trust's internal controls over financial reporting that occurred during the Trust's most recently completed fiscal quarter that has materially affected, or is reasonably likely to materially affect, these internal controls.

PART II – OTHER INFORMATION:

Item 1. Legal Proceedings

None.

Item 1A. Risk Factors

There have been no material changes to the Risk Factors last reported under “Item 1A. Risk Factors” of the registrant’s Annual Report on Form 10-K.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

Purchases of equity securities by the issuer and affiliated purchasers —The table below sets forth information regarding open market purchases of Shares of Grayscale Litecoin Trust (LTC) (OTCQX: LTCN) by DCG, the parent company of the Sponsor, on a monthly basis during the three months ended September 30, 2022:

Period	(a) Total Number of Shares of LTCN Purchased	(b) Average Price Paid per Share of LTCN	(c) Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs ⁽¹⁾	(d) Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (in millions)
July 1, 2022 - July 31, 2022	-	\$ -	-	\$ 28.2
August 1, 2022 - August 31, 2022	-	-	-	28.2
September 1, 2022 - September 30, 2022	-	-	-	28.2
Total	-	\$ -	-	\$ 28.2

- (1) On March 2, 2022, the Board of the Sponsor approved the purchase by DCG, the parent company of the Sponsor, of up to \$30 million worth of Shares of the Trust. Subsequently, DCG authorized such purchase. The Share purchase authorization does not obligate DCG to acquire any specific number of Shares in any period, and may be expanded, extended, modified, or discontinued at any time. From March 2, 2022 through October 31, 2022, DCG purchased \$1.8 million worth of Shares of the Trust under this authorization.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

Changes to the Audit Committee of the Board of Directors of the Sponsor

On November 4, 2022, the Sponsor of the Trust appointed Hugh Ross, Chief Operating Officer of the Sponsor, to serve on the Audit Committee of the Board. Mr. Ross replaced Barry E. Silbert on the Audit Committee, who will remain as Chairman of the Board. Effective November 4, 2022, the Audit Committee consists of Michael Sonnenshein, Edward McGee, and Hugh Ross.

Hugh Ross, Chief Operating Officer

Hugh Ross, 55, is the Chief Operating Officer of the Sponsor since February 2021. Prior to joining the Sponsor, Mr. Ross served twelve years as Chief Operating Officer of Horizon Kinetics LLC, a New York-based investment manager where he was responsible for the operating infrastructure and various digital asset initiatives. During the ten years immediately preceding his tenure at Horizon Kinetics, Mr. Ross was a Vice President with Goldman Sachs & Co. where he served as Chief Operating Officer of the long-only investment manager research team then-known as Global Manager Strategies (“GMS”), within Goldman Sachs Asset Management (“GSAM”). Mr. Ross also served as a compliance officer for both GSAM and Goldman’s Private Wealth Management business. Prior to joining Goldman Sachs, Mr. Ross worked as an in-house counsel for a transfer agent and started his career as a securities industry attorney representing broker-dealers and investment advisers. Mr. Ross is a graduate of the Goizueta Business School at Emory University (B.B.A) and New York Law School (J.D.).

Item 6. Exhibits

Exhibit Number	Exhibit Description
4.1	<u>Participant Agreement, dated October 3, 2022, between Grayscale Investments, LLC and Grayscale Securities, LLC (incorporated by reference to Exhibit 4.1 of the periodic report on Form 8-K filed by the Registrant on October 3, 2022).</u>
10.1	<u>Distribution and Marketing Agreement, dated October 3, 2022, between Grayscale Investments, LLC and Grayscale Securities, LLC (incorporated by reference to Exhibit 10.1 of the periodic report on Form 8-K filed by the Registrant on October 3, 2022).</u>
31.1	<u>Certification of Principal Executive Officer pursuant to Rule 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as amended, with respect to the Trust's Quarterly Report on Form 10-Q for the quarter ended September 30, 2022.</u>
31.2	<u>Certification of Principal Financial Officer pursuant to Rule 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as amended, with respect to the Trust's Quarterly Report on Form 10-Q for the quarter ended September 30, 2022.</u>
32.1	<u>Certification of Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, with respect to the Trust's Quarterly Report on Form 10-Q for the quarter ended September 30, 2022.</u>
32.2	<u>Certification of Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, with respect to the Trust's Quarterly Report on Form 10-Q for the quarter ended September 30, 2022.</u>
101.INS*	Inline XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
101.SCH*	Inline XBRL Taxonomy Extension Schema Document
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document
104	Cover Page Interactive Data File—The cover page interactive data file does not appear in the interactive data file because its XBRL tags are embedded within the inline XBRL document.

* Pursuant to Rule 406T of Regulation S-T, these interactive data files are deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for the purposes of Section 18 of the Securities and Exchange Act of 1934, as amended, and otherwise are not subject to liability under those sections.

GLOSSARY OF DEFINED TERMS

“Actual Exchange Rate”—With respect to any particular asset, at any time, the price per single unit of such asset (determined net of any associated fees) at which the Trust is able to sell such asset for U.S. dollars (or other applicable fiat currency) at such time to enable the Trust to timely pay any Additional Trust Expenses, through use of the Sponsor’s commercially reasonable efforts to obtain the highest such price.

“Additional Trust Expenses”—Together, any expenses incurred by the Trust in addition to the Sponsor’s Fee that are not Sponsor-paid Expenses, including, but not limited to, (i) taxes and governmental charges, (ii) expenses and costs of any extraordinary services performed by the Sponsor (or any other service provider) on behalf of the Trust to protect the Trust or the interests of shareholders (including in connection with any Incidental Rights and any IR Virtual Currency), (iii) any indemnification of the Custodian or other agents, service providers or counterparties of the Trust, (iv) the fees and expenses related to the listing, quotation or trading of the Shares on any Secondary Market (including legal, marketing and audit fees and expenses) to the extent exceeding \$600,000 in any given fiscal year and (v) extraordinary legal fees and expenses, including any legal fees and expenses incurred in connection with litigation, regulatory enforcement or investigation matters.

“Administrator Fee”—The fee payable to any administrator of the Trust for services it provides to the Trust, which the Sponsor will pay such administrator as a Sponsor-paid Expense.

“Agent”—A Person appointed by the Trust to act on behalf of the shareholders in connection with any distribution of Incidental Rights and/or IR Virtual Currency.

“Authorized Participant”—Certain eligible financial institutions that have entered into an agreement with the Trust and the Sponsor concerning the creation of Shares. Each Authorized Participant (i) is a registered broker-dealer, (ii) has entered into a Participant Agreement with the Sponsor and (iii) owns a digital wallet address that is known to the Custodian as belonging to the Authorized Participant or such Authorized Participant’s Liquidity Provider.

“Basket”—A block of 100 Shares.

“Basket Amount”—On any trade date, the number of LTC required as of such trade date for each Creation Basket, as determined by dividing (x) the number of LTC owned by the Trust at 4:00 p.m., New York time, on such trade date, after deducting the number of LTC representing the U.S. dollar value of accrued but unpaid fees and expenses of the Trust (converted using the Index Price at such time, and carried to the eighth decimal place), by (y) the number of Shares outstanding at such time (with the quotient so obtained calculated to one one-hundred-millionth of one LTC (*i.e.*, carried to the eighth decimal place)), and multiplying such quotient by 100.

“Blockchain” or “Litecoin Blockchain”—The public transaction ledger of the Litecoin Network on which transactions in Litecoin are recorded.

“Creation Basket”—Basket of Shares issued by the Trust in exchange for deposits of the Basket Amount required for each such Creation Basket.

“Custodial Services”—The Custodian’s services that (i) allow LTC to be deposited from a public blockchain address to the Trust’s Digital Asset Account and (ii) allow the Trust and the Sponsor to withdraw LTC from the Trust’s Digital Asset Account to a public blockchain address the Trust or the Sponsor controls pursuant to instructions the Trust or the Sponsor provides to the Custodian.

“Custodian”—Coinbase Custody Trust Company, LLC.

“Custodian Agreement”—The Amended and Restated Custodial Services Agreement, dated as of June 29, 2022, by and between the Trust and the Sponsor and Custodian that governs the Trust’s and the Sponsor’s use of the Custodial Services provided by the Custodian as a fiduciary with respect to the Trust’s assets.

“Custodian Fee”—Fee payable to the Custodian for services it provides to the Trust, which the Sponsor shall pay to the Custodian as a Sponsor-paid Expense.

“DCG”—Digital Currency Group, Inc.

“Digital Asset Account”—A segregated custody account controlled and secured by the Custodian to store private keys, which allow for the transfer of ownership or control of the Trust’s LTC on the Trust’s behalf.

“Digital Asset Exchange”—An electronic marketplace where exchange participants may trade, buy and sell LTC based on bid-ask trading. The largest Digital Asset Exchanges are online and typically trade on a 24-hour basis, publishing transaction price and volume data.

“Digital Asset Exchange Market”—The global exchange market for the trading of LTC, which consists of transactions on electronic Digital Asset Exchanges.

“Digital Asset Holdings”—The aggregate value, expressed in U.S. dollars, of the Trust’s assets (other than U.S. dollars or other fiat currency), less its liabilities (which include estimated accrued but unpaid fees and expenses) calculated in the manner set forth under “Item 1. Business—Valuation of LTC and Determination of the Trust’s Digital Asset Holdings” in our Annual Report. See also “Item 1. Business—Investment Objective” in our Annual Report for a description of the Trust’s NAV, as calculated in accordance with GAAP.

“Digital Asset Holdings Fee Basis Amount”—The amount on which the Sponsor’s Fee for the Trust is based, as calculated in the manner set forth under “Item 1. Business—Valuation of LTC and Determination of the Trust’s Digital Asset Holdings” in our Annual Report.

“Digital Asset Market”—A “Brokered Market,” “Dealer Market,” “Principal-to-Principal Market” or “Exchange Market,” as each such term is defined in the Financial Accounting Standards Board Accounting Standards Codification Master Glossary.

“DSTA”—The Delaware Statutory Trust Act, as amended.

“DTC”—The Depository Trust Company. DTC is a limited purpose trust company organized under New York law, a member of the U.S. Federal Reserve System and a clearing agency registered with the SEC. DTC will act as the securities depository for the Shares.

“Exchange Act”—The Securities Exchange Act of 1934, as amended.

“FINRA”—The Financial Industry Regulatory Authority, Inc., which is the primary regulator in the United States for broker-dealers, including Authorized Participants.

“GAAP”—United States generally accepted accounting principles.

“Genesis”—Genesis Global Trading, Inc., a wholly owned subsidiary of Digital Currency Group, Inc., which as of the date of this Quarterly Report, is the only acting Liquidity Provider.

“Grayscale Securities”—Grayscale Securities, LLC, a wholly owned subsidiary of the Sponsor, which as of the date of this Quarterly Report, is the only acting Authorized Participant.

“Incidental Rights”—Rights to acquire, or otherwise establish dominion and control over, any virtual currency or other asset or right, which rights are incident to the Trust’s ownership of LTC and arise without any action of the Trust, or of the Sponsor or Trustee on behalf of the Trust.

“Index”—The CoinDesk Litecoin Price Index (LTX).

“Index License Agreement”—The license agreement, dated as of February 1, 2022, between the Index Provider and the Sponsor governing the Sponsor’s use of the Index for calculation of the Index Price.

“Index Price”—The U.S. dollar value of an LTC derived from the Digital Asset Exchanges that are reflected in the Index, calculated at 4:00 p.m., New York time, on each business day. See “Item 1. Business—Overview of the LTC Industry and Market—LTC Value—The Index and the Index Price” in our Annual Report for a description of how the Index Price is calculated. For purposes of the Trust Agreement, the term LTC Index Price shall mean the Index Price as defined herein.

“Index Provider”—CoinDesk Indices, Inc., a Delaware corporation that publishes the Index. DCG is the indirect parent company of CoinDesk Indices, Inc. As a result, CoinDesk Indices, Inc. is an affiliate of the Sponsor and the Trust and is considered a related party of the Trust.

“Investment Advisers Act”—Investment Advisers Act of 1940, as amended.

“Investment Company Act”—Investment Company Act of 1940, as amended.

“Investor”—Any investor that has entered into a subscription agreement with an Authorized Participant, pursuant to which such Authorized Participant will act as agent for the investor.

“IR Virtual Currency”—Any virtual currency tokens, or other asset or right, acquired by the Trust through the exercise (subject to the applicable provisions of the Trust Agreement) of any Incidental Right.

“Liquidity Provider”—A service provider engaged by an Authorized Participant to source LTC on behalf of the Authorized Participant in connection with the creation of Shares.

“Litecoin Network”—The online, end-user-to-end-user network hosting the public transaction ledger, known as the Litecoin Blockchain, and the source code comprising the basis for the cryptographic and algorithmic protocols governing the Litecoin Network. See “Overview of Litecoin” in our Information Statement.

“LTC” or “Litecoin”—Litecoin tokens, which are a type of digital asset based on an open-source cryptographic protocol existing on the Litecoin Network, comprising units that constitute the assets underlying the Trust’s Shares.

“Marketing Fee”—Fee payable to the marketer for services it provides to the Trust, which the Sponsor will pay to the marketer as a Sponsor-paid Expense.

“NAV”—The net asset value of the Trust determined on a GAAP basis.

“OTCQX”—The OTCQX tier of OTC Markets Group Inc.

“Participant Agreement”—An agreement entered into by an Authorized Participant with the Sponsor that provides the procedures for the creation of Baskets and for the delivery of LTC required for Creation Baskets.

“SEC”—The U.S. Securities and Exchange Commission.

“Secondary Market”—Any marketplace or other alternative trading system, as determined by the Sponsor, on which the Shares may then be listed, quoted or traded, including but not limited to, the OTCQX tier of OTC Markets Group Inc.

“Securities Act”—The Securities Act of 1933, as amended.

“Shares”—Common units of fractional undivided beneficial interest in, and ownership of, the Trust.

“Sponsor”—Grayscale Investments, LLC.

“Sponsor-paid Expenses”—The fees and expenses incurred by the Trust in the ordinary course of its affairs that the Sponsor is obligated to assume and pay, excluding taxes, but including: (i) the Marketing Fee, (ii) the Administrator Fee, (iii) the Custodian Fee and fees for any other security vendor engaged by the Trust, (iv) the Transfer Agent fee, (v) the Trustee fee, (vi) the fees and expenses related to the listing, quotation or trading of the Shares on any Secondary Market (including customary legal, marketing and audit fees and expenses) in an amount up to \$600,000 in any given fiscal year, (vii) ordinary course, legal fees and expenses, (viii) audit fees, (ix) regulatory fees, including, if applicable, any fees relating to the registration of the Shares under the Securities Act or the Exchange Act, (x) printing and mailing costs, (xi) costs of maintaining the Trust’s website and (xii) applicable license fees.

“Sponsor’s Fee”—A fee, payable in LTC, which accrues daily in U.S. dollars at an annual rate of 2.5% of the Digital Asset Holdings Fee Basis Amount of the Trust as of 4:00 p.m., New York time, on each day; *provided* that for a day that is not a business day, the calculation of the Sponsor’s Fee will be based on the Digital Asset Holdings Fee Basis Amount from the most recent business day, reduced by the accrued and unpaid Sponsor’s Fee for such most recent business day and for each day after such most recent business day and prior to the relevant calculation date.

“Transfer Agent”—Continental Stock Transfer & Trust Company, a Delaware corporation.

“Transfer Agent Fee”—Fee payable to the Transfer Agent for services it provides to the Trust, which the Sponsor will pay to the Transfer Agent as a Sponsor-paid Expense.

“Trust”—Grayscale Litecoin Trust (LTC), a Delaware statutory trust, formed on January 26, 2018 under the DSTA and pursuant to the Trust Agreement.

“Trust Agreement”—The Amended and Restated Declaration of Trust and Trust Agreement between the Trustee and the Sponsor establishing and governing the operations of the Trust, as amended by Amendments No. 1 and No. 2 thereto and as the same may be amended from time to time.

“Trustee”—Delaware Trust Company (formerly known as CSC Trust Company of Delaware), a Delaware trust company, is the Delaware trustee of the Trust.

“U.S.”—United States.

“U.S. dollar” or **“\$”**—United States dollar or dollars.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned in the capacities* indicated, thereunto duly authorized.

**Grayscale Investments, LLC
as Sponsor of Grayscale Litecoin Trust (LTC)**

By: /s/ Michael Sonnenshein

Name: Michael Sonnenshein

Title: Member of the Board of Directors and
Chief Executive Officer (Principal
Executive Officer)*

By: /s/ Edward McGee

Name: Edward McGee

Title: Chief Financial Officer (Principal Financial
Officer and Principal Accounting Officer)*

Date: November 4, 2022

* The Registrant is a trust and the persons are signing in their capacities as officers or directors of Grayscale Investments, LLC, the Sponsor of the Registrant.

**CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER PURSUANT TO RULE 13a-14(a)
AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED, AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Michael Sonnenshein, certify that:

1. I have reviewed this quarterly report of Grayscale Litecoin Trust (LTC) (“Trust”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and
5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: November 4, 2022

/s/ Michael Sonnenshein

Michael Sonnenshein *

Chief Executive Officer (Principal Executive Officer)

* The Registrant is a trust and Mr. Sonnenshein is signing in his capacity as Principal Executive Officer of Grayscale Investments, LLC, the Sponsor of the Registrant.

**CERTIFICATION OF PRINCIPAL FINANCIAL AND ACCOUNTING OFFICER PURSUANT TO RULE 13a-14(a)
AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED, AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Edward McGee, certify that:

1. I have reviewed this quarterly report of Grayscale Litecoin Trust (LTC) (“Trust”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and
5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: November 4, 2022

/s/ Edward McGee

Edward McGee *
Chief Financial Officer (Principal Financial and
Accounting Officer)

* The Registrant is a trust and Mr. McGee is signing in his capacity as Principal Financial and Accounting Officer of Grayscale Investments, LLC, the Sponsor of the Registrant.

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Grayscale Litecoin Trust (LTC) (the “Trust”) on Form 10-Q for the period ending September 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Michael Sonnenshein, Principal Executive Officer of Grayscale Investments, LLC, the Sponsor of the Trust, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Trust.

/s/ Michael Sonnenshein

Michael Sonnenshein *

Chief Executive Officer (Principal Executive Officer)

November 4, 2022

* The Registrant is a trust and Mr. Sonnenshein is signing in his capacity as Principal Executive Officer of Grayscale Investments, LLC, the Sponsor of the Trust.

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Grayscale Litecoin Trust (LTC) (the “Trust”) on Form 10-Q for the period ending September 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Edward McGee, Principal Financial and Accounting Officer of Grayscale Investments, LLC, the Sponsor of the Trust, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Trust.

/s/ Edward McGee

Edward McGee *
Chief Financial Officer (Principal Financial and
Accounting Officer)
November 4, 2022

* The Registrant is a trust and Mr. McGee is signing in his capacity as Principal Financial and Accounting Officer of Grayscale Investments, LLC, the Sponsor of the Trust.