

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Estimated average burden
hours per response: 0.5Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Myszkowski Kenneth Allen</u> (Last) (First) (Middle) <u>ARROWHEAD RESEARCH CORPORATION</u> <u>201 S. LAKE AVE., SUITE 703</u> (Street) <u>PASADENA CA 91101</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>11/16/2009</u>	3. Issuer Name and Ticker or Trading Symbol <u>ARROWHEAD RESEARCH CORP [ARWR]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>CFO</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Table II - Derivative Securities Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option	05/16/2010 ⁽¹⁾	11/16/2019	Common Stock	250,000	0.7	D
Stock Option	04/01/2010 ⁽²⁾	03/04/2020	Common Stock	80,000	0.52	D

Explanation of Responses:

- Vesting of 125,000 shares begins on May 16, 2010, at which time 15,632 shares vest; the balance vests on the first of each month thereafter in equal monthly installments of 2,604 shares. Vesting of the remaining 125,000 shares begins on August 1, 2010, at which time 15,632 shares vest; the balance vests on the first of each month thereafter in equal monthly installments of 2,604 shares.
- Vesting in 24 equal monthly installments beginning on 4/01/10.

Kenneth Allen Myszkowski 04/12/2010

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.