

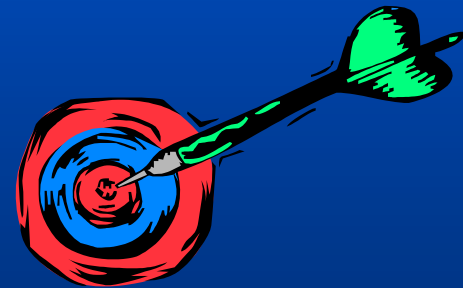
# 2006 FORECASTS

## SKEENA AND NASS SOCKEYE

*SHAUN DAVIES*

Stock Assessment Biologist

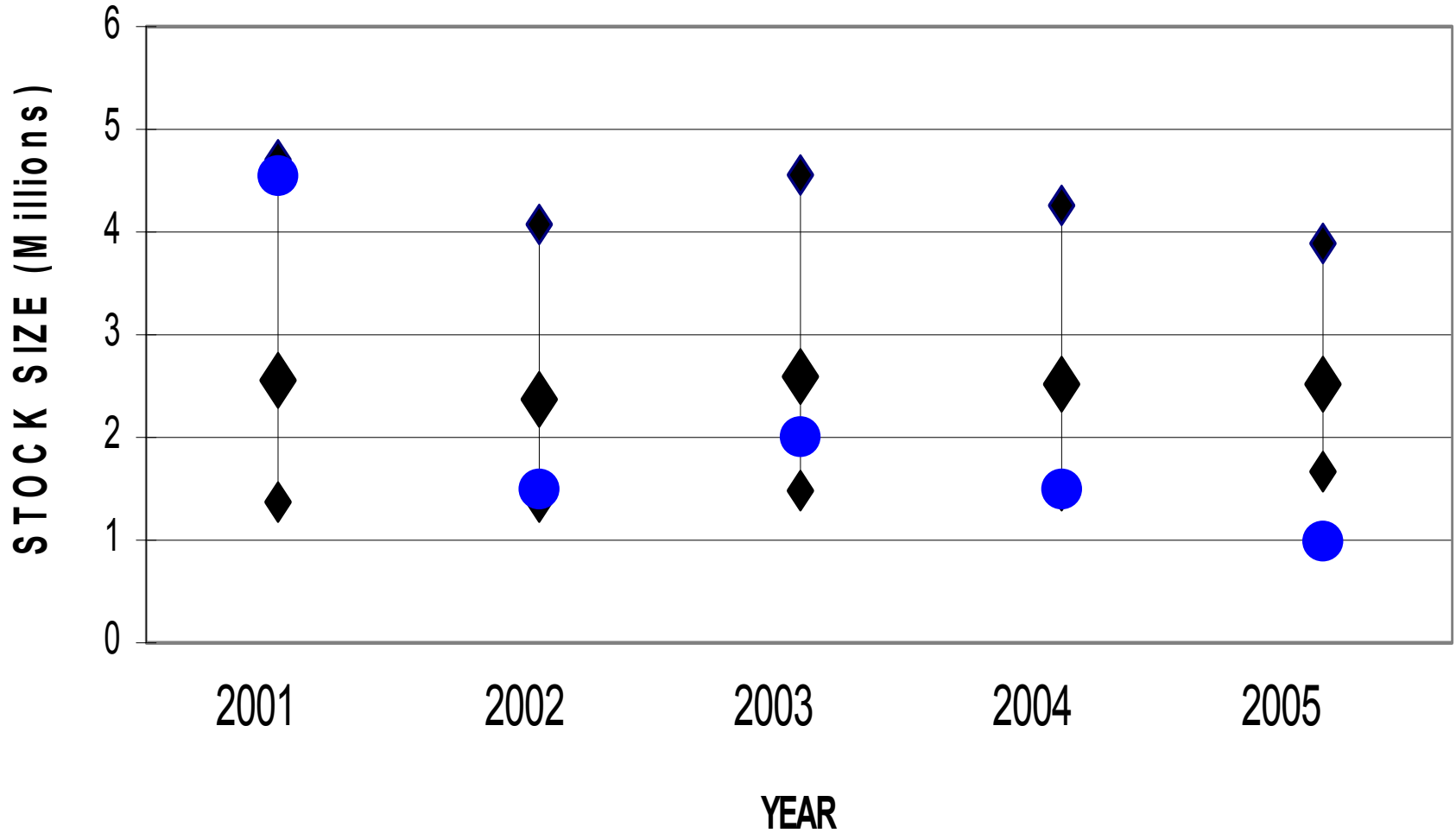
Fisheries & Oceans – North Coast



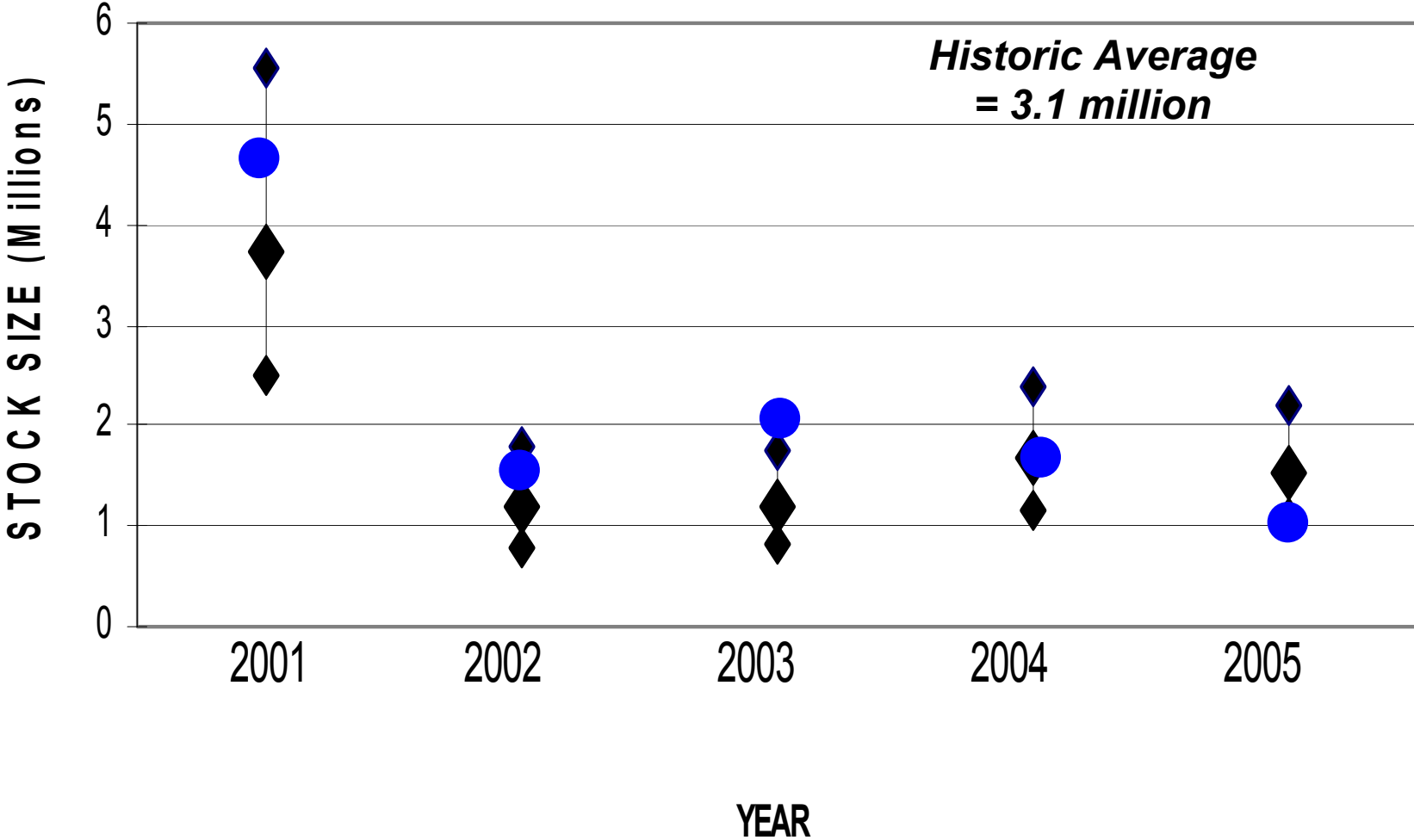
# SKEENA 5 YEAR AVERAGE MODEL (The Naïve Model)

Year	Total Stock	LN Value
2001	4,967,793	15.42
2002	1,427,879	14.17
2003	2,126,875	14.57
2004	1,626,069	14.30
2005	1,032,071	13.85
● Mean		14.46
2005 Forecast		<u>1,908,486</u>

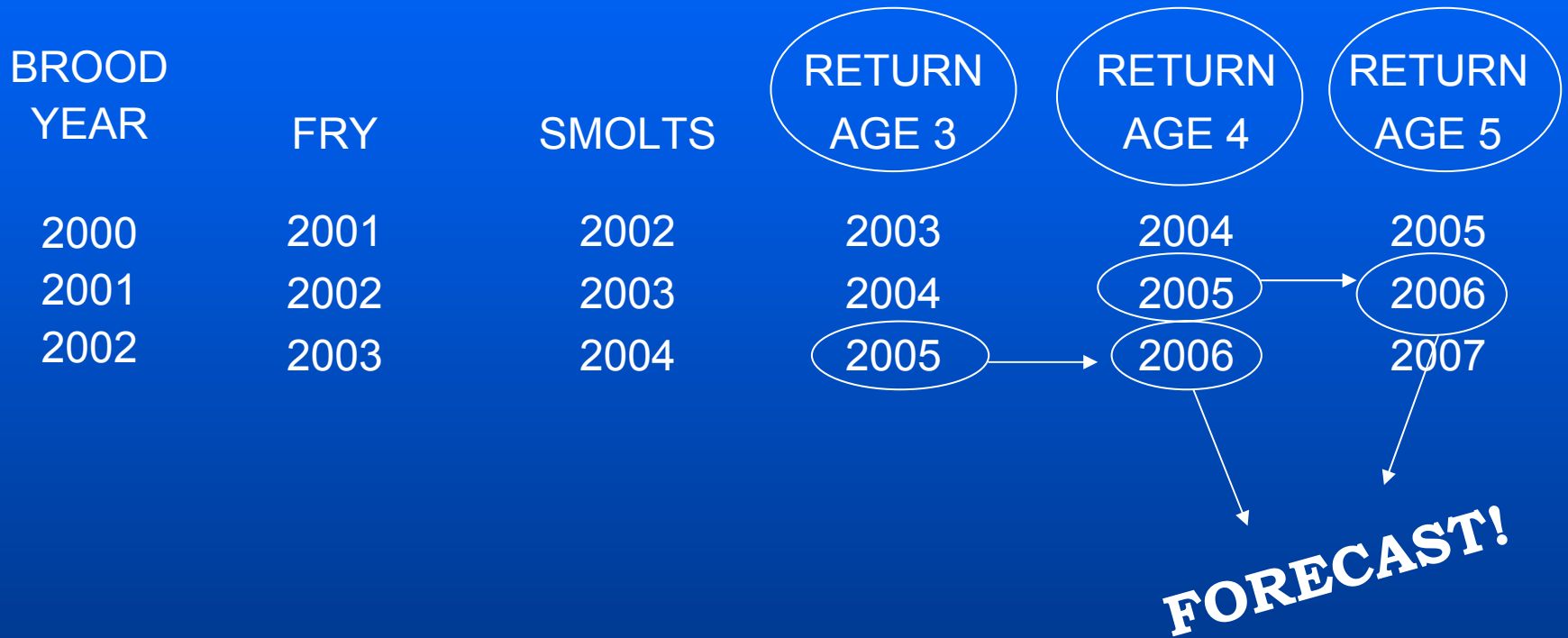
# SKEENA 5-YR AVG HISTORIC FORECASTS



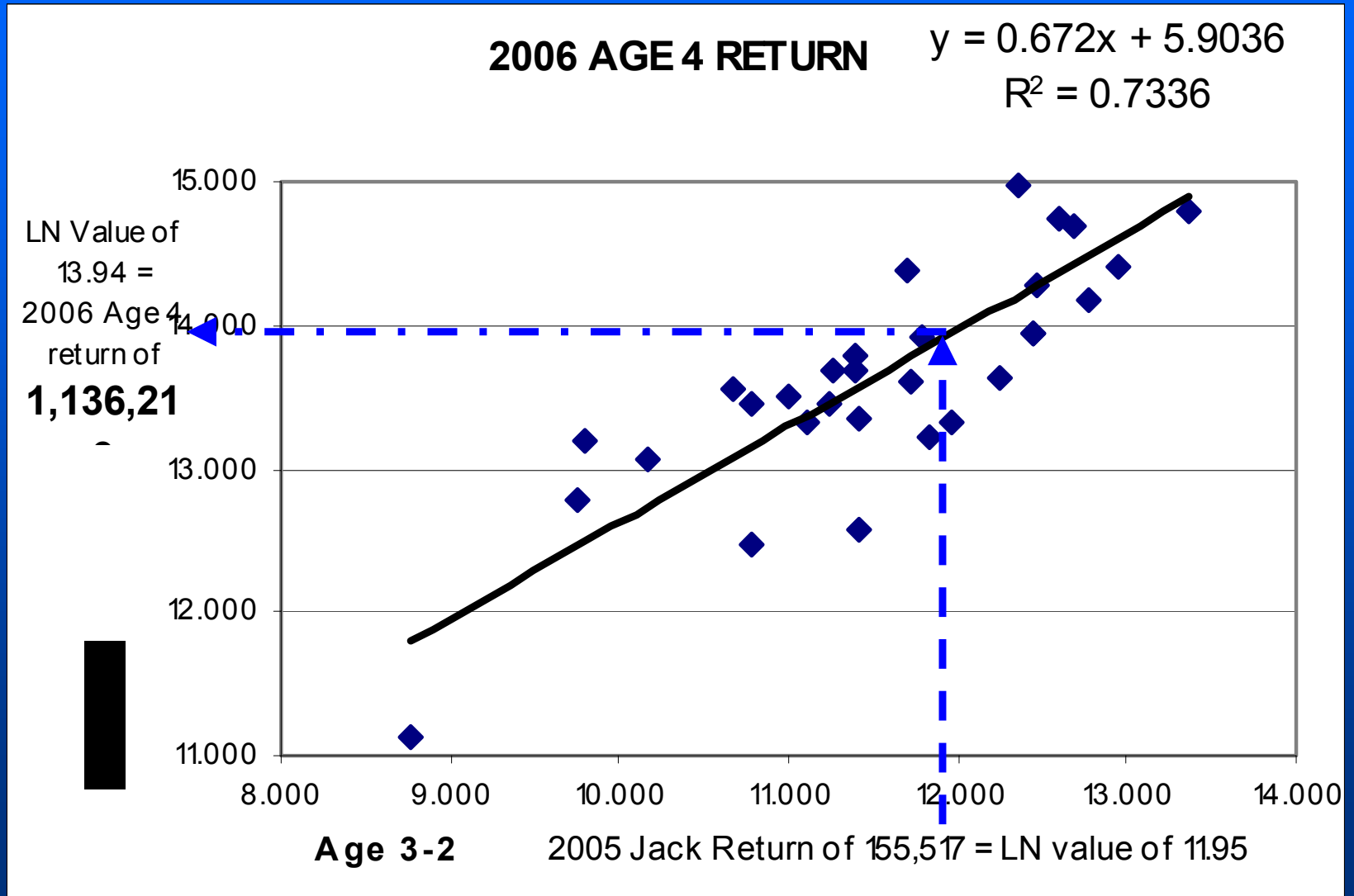
# SKEENA SIBLING HISTORIC FORECASTS



# THE SKEENA SIBLING MODEL



# THE SKEENA SIBLING MODEL

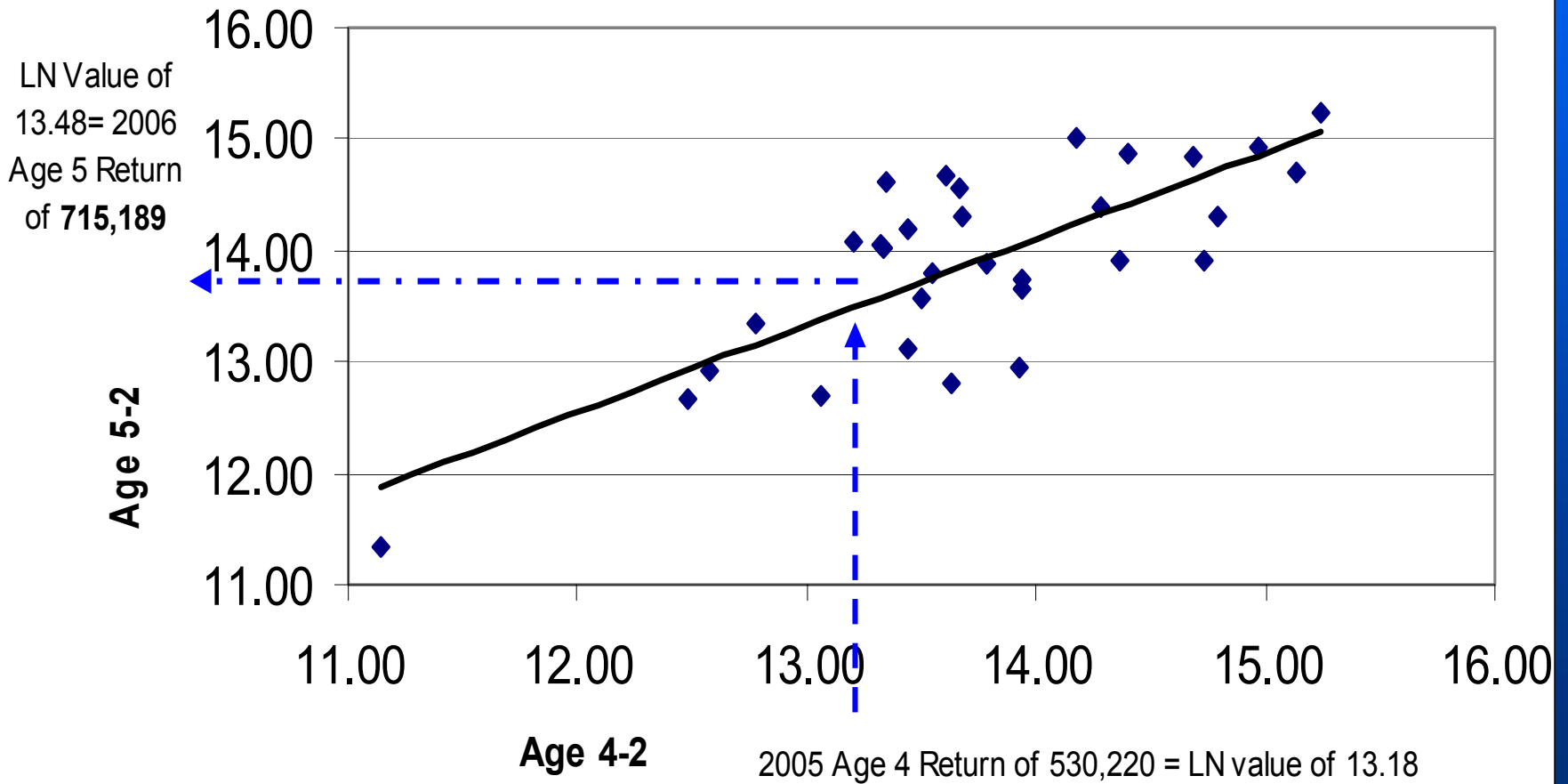


# THE SKEENA SIBLING MODEL

## 2006 AGE 5 RETURN

$$y = 0.7753x + 3.2478$$

$$R^2 = 0.5943$$



# 2006 SKEENA SOCKEYE FORECAST SUMMARY (Millions)

Model	25%	50%	75%
5-yr mean	2.83	1.91	1.29
Sibling	2.73	1.85	1.26



# CONCLUSIONS

- Pre-season forecasts suggest low return to Skeena (1.85m) and average returns to the Nass (925,000 – LGL Limited) in 2006.
- In-season estimates will be used to update these forecasts...