JH Kerr Drought Forecast March 01,2013:

JH Kerr Initial Conditions on 03-01-2013

Node Number	Node Name	Initial Elev (FT)	outflow CFS
SmithMtn	100	794.81	-
Leesville	200	603.60	920.00
Philpott	300	974.34	249.00
Kerr	400	299.93	6367.00
Gaston	600	200.00	4758.00
R. Rapids	700	129.90	5755.00

- COE Release Rules were used to run the model
- Kerr Elevation = 299.93ft
- Kerr Guide Curve = 295.68ft
- Kerr Net inflow = 96.00CFS

DWR
Division of Water Resources

JH Kerr Drought Forecast March 01,2013

Forecast Summary:

- Probability of JH Kerr being below Guide Curve:
  - On April 1st 2013 = 65.5%
  - On April 15th 2013 = 34.5%
  - On May 1st 2013 = 28.6%
  - On Jun 1st 2013 = 19.0%

- OASIS forecast Kerr elevation will be below GC in the winter and will be elevated to 302ft in the spring in preparation for striped bass spawning.
- GC will be within 25-75 percentile of historical data.

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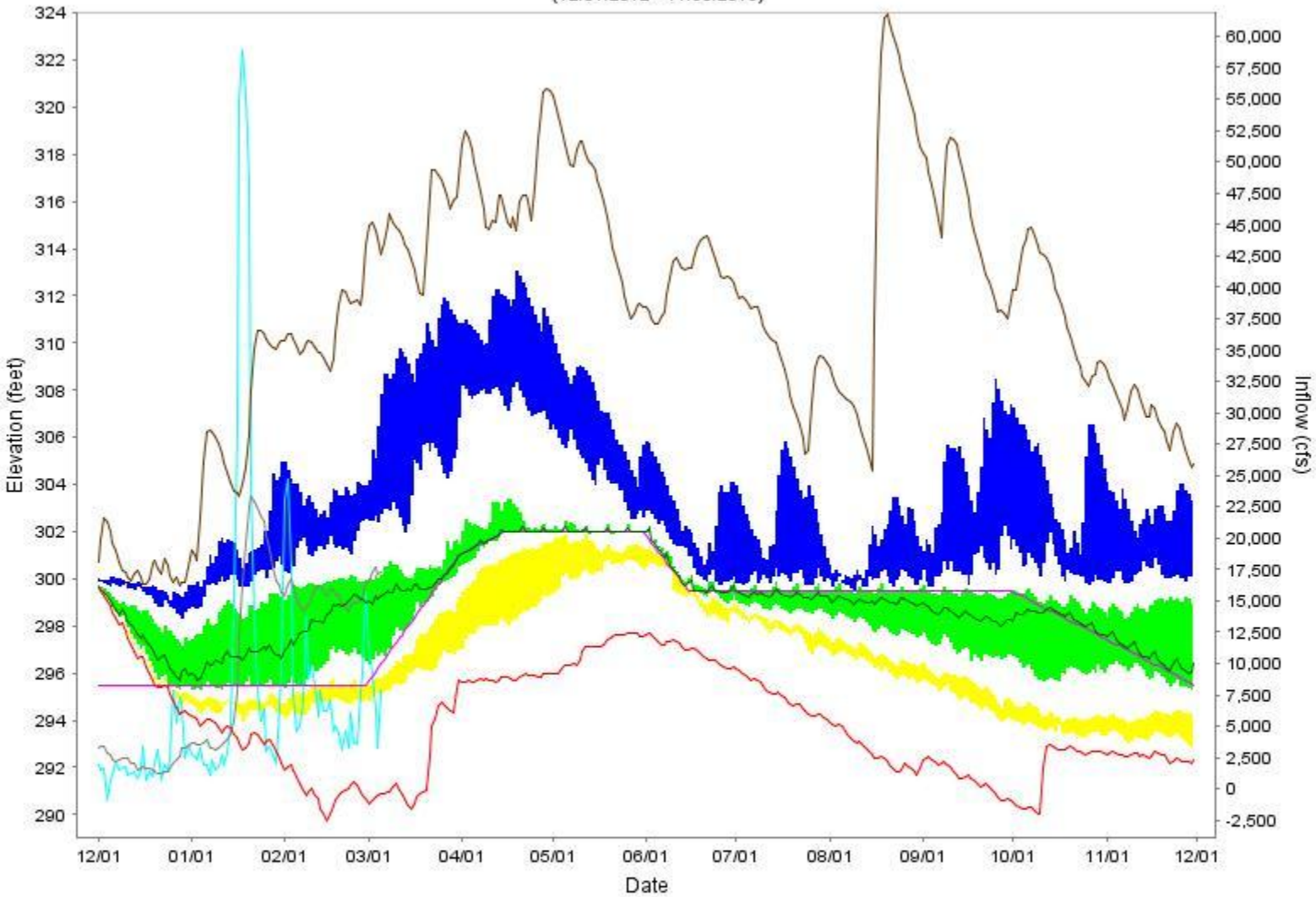
Kerr Lake Elevation Forecast 03/01/2013

(12/01/2012 - 11/30/2013)



Min — Median — Max — Guide Curve

Actual Kerr Elevation — Actual Kerr Inflow

YELLOW (LOWER) BAND = 5- TO 10-PERCENTILE

GREEN (MIDDLE) BAND = 25- TO 75-PERCENTILE

BLUE (UPPER) BAND = 90- TO 95-PERCENTILE

JH Kerr Drought Forecast March 01,2013:

Forecast Date	Guide Curve (ft)	[Prob(%)] < Guide Curve
Apr 1,2013	301.07	65.5%
Apr 15,2013	302.00	34.5%
May 1,2013	302.00	28.6%
Jun 1,2013	301.83	19.0%
Jul 1,2013	299.50	34.5%
Aug 1,2013	299.50	72.6%

Initial Conditions:

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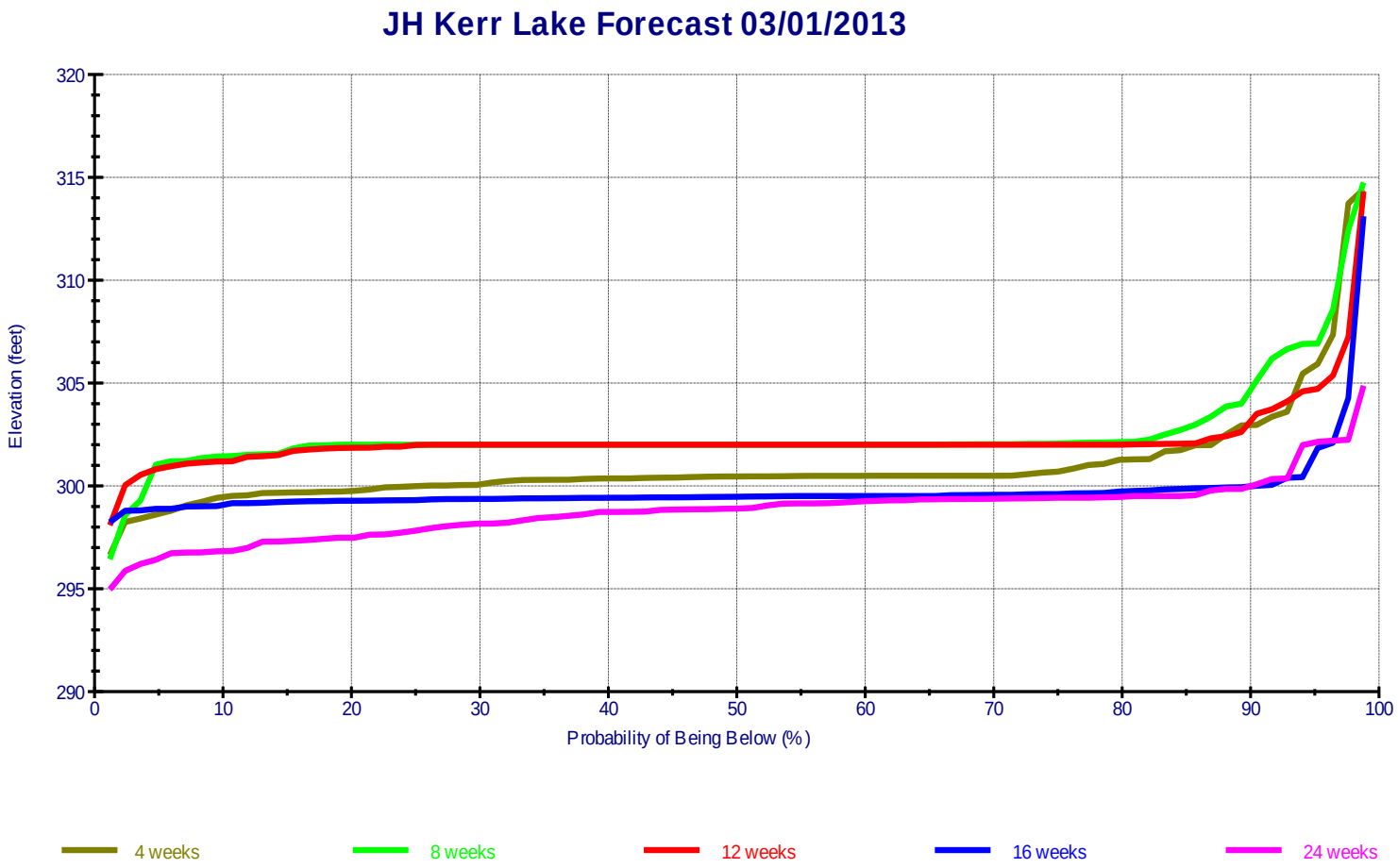
Kerr Elevation



Initial Conditions 10/01/12
COE Release Rules were used to run the model
Kerr Elevation = 299.93ft
Kerr Guide Curve = 295.68ft
Kerr Net inflow = 96.00CFS