JH Kerr Drought Forecast April 01,2013:

JH Kerr Initial Conditions on 04-01-2013

Node Number	Node Name	Initial Elev (FT)	outflow CFS
SmithMtn	100	794.62	-
Leesville	200	606.42	1455.00
Philpott	300	974.70	423.00
Kerr	400	303.10	6501.00
Gaston	600	199.89	5942.00
R. Rapids	700	127.70	7134.00

- COE Release Rules were used to run the model
- Kerr Elevation = 299.89ft
- Kerr Guide Curve = 301.07ft
- Kerr Net inflow = 5414.00cfs

DWR
Division of Water Resources

JH Kerr Drought Forecast April 01,2013

Forecast Summary:

- Probability of JH Kerr being below Guide Curve:
  - On Apr 15th 2013 = 44.0%
  - On May 1st 2013 = 19.0%
  - On Jun 1st 2013 = 17.9%
  - On Jul 1st 2013 = 50.0%
  - On Aug 1st 2013 = 77.4%
- OASIS forecast Kerr elevation 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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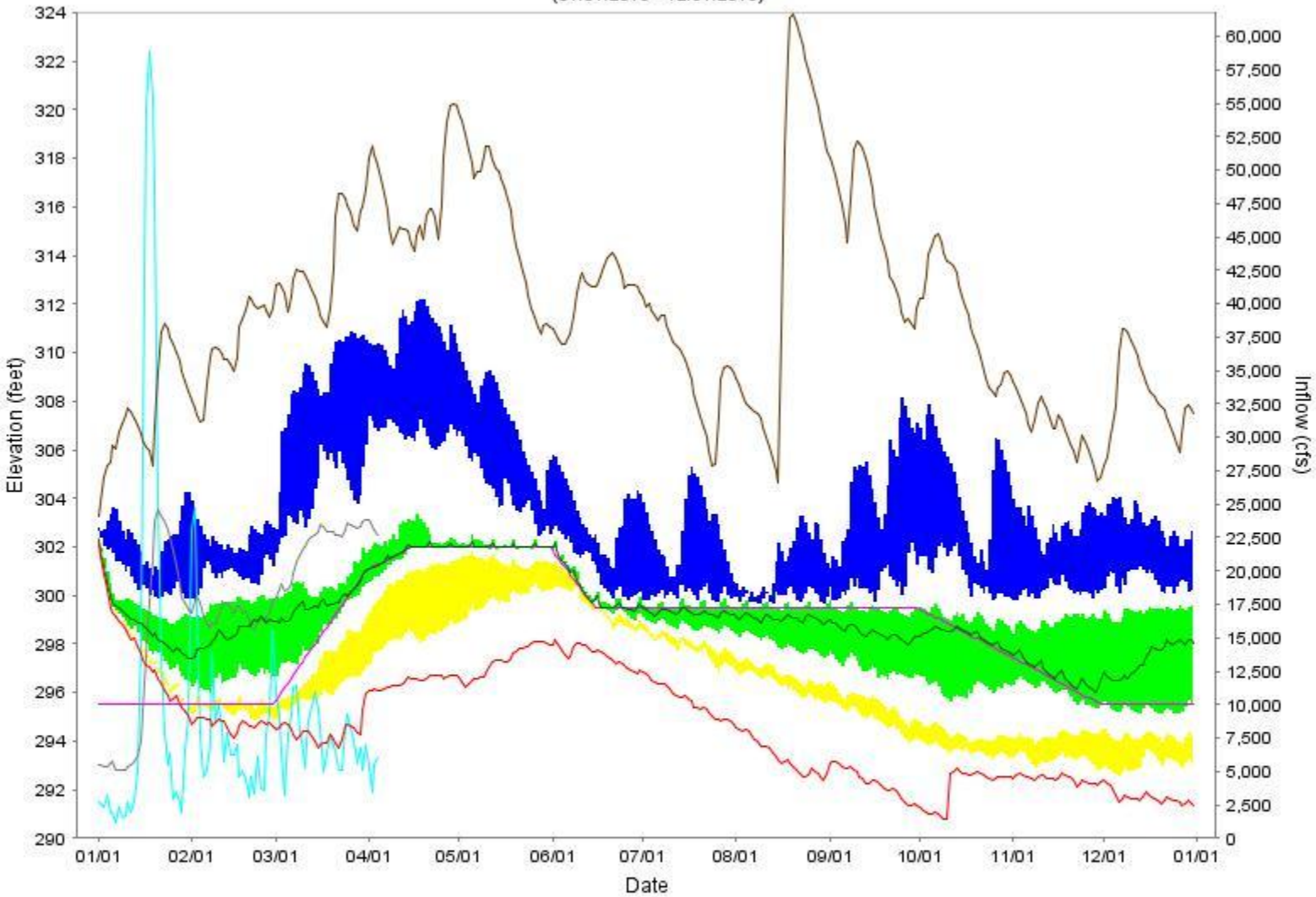
Kerr Lake Elevation Forecast - 04/01/2013

(01/01/2013 - 12/31/2013)



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 April 01,2013:

Forecast Date	Guide Curve (ft)	[Prob Kerr Elev] < GC
Apr 15,2013	302.00	44.0%
May 1,2013	302.00	19.0%
Jun 1,2013	301.83	17.9%
Jul 1,2013	299.50	50.0%
Aug 1,2013	299.50	77.4%
Sep 1,2013	299.50	67.9%

Initial Conditions:

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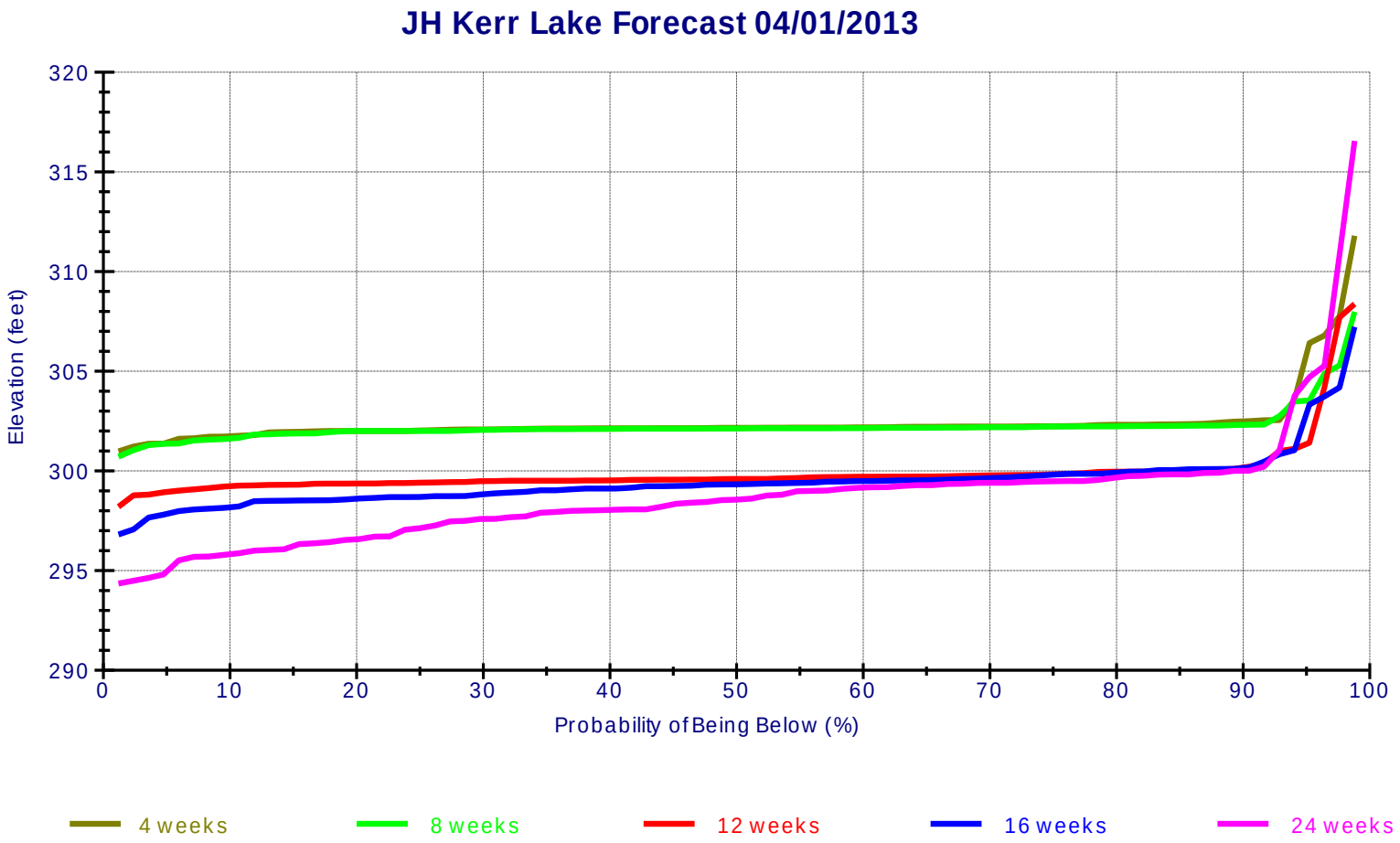

COE Release Rules were used to run the model
Kerr Elevation = 299.89ft
Kerr Guide Curve = 301.07ft
Kerr Net inflow = 5414.00cfs