

JH Kerr Drought Forecast January 01,2013:

□ JH Kerr Initial Conditions on 01-01-2013

Node Number	Node Name	Initial Elev (FT)	outflow CFS
SmithMtn	100	791.01	-
Leesville	200	600.87	316.00
Philpott	300	963.82	209.00
Kerr	400	293.03	96.00
Gaston	600	199.80	0.0
R. Rapids	700	128.8	2208.00

- COE Release Rules were used to run the model
- Kerr Elevation = 293.82ft
- Kerr Net inflow = 96.00CFS

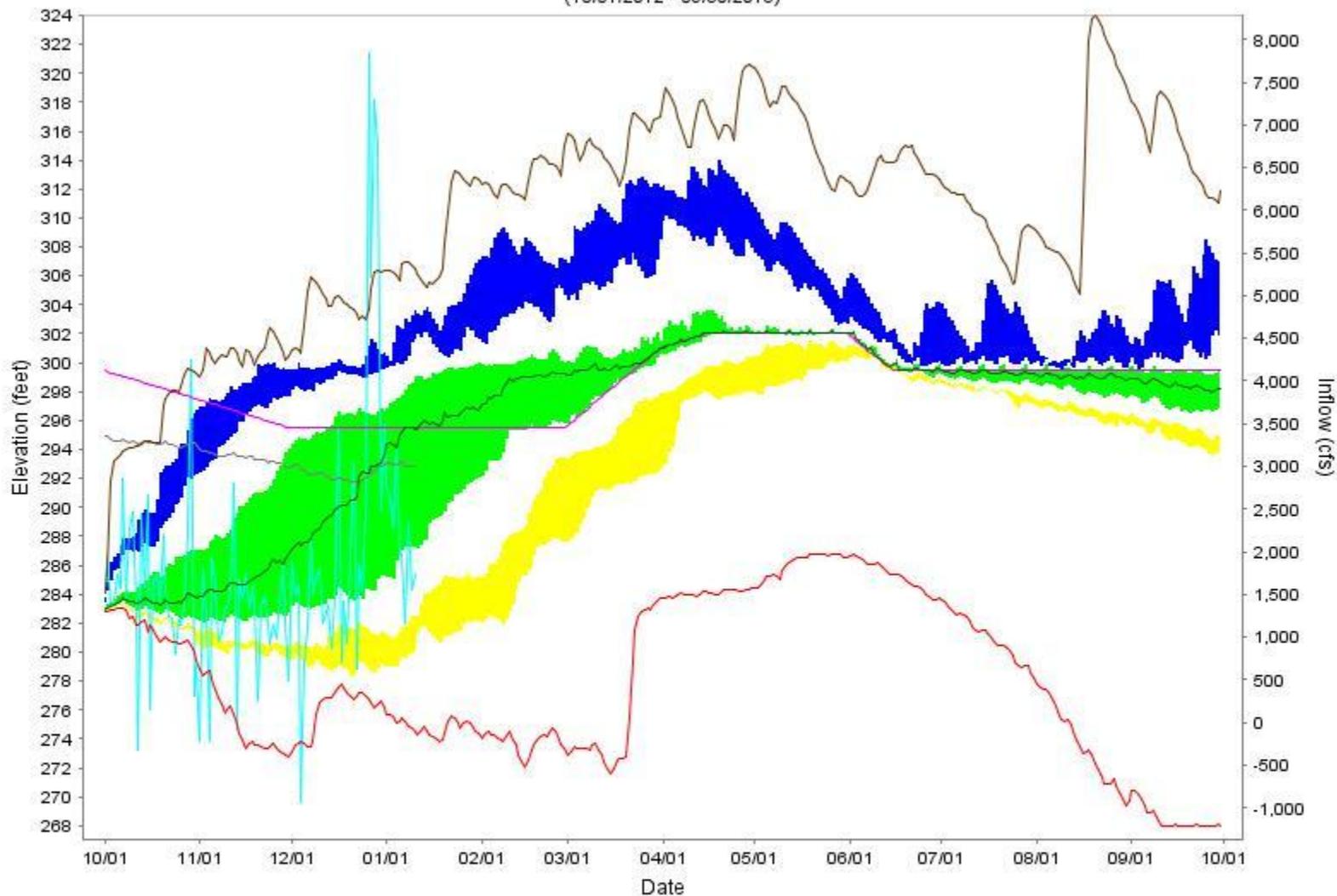
JH Kerr Drought Forecast January 01,2013

□ Forecast Summary:

- Probability of JH Kerr being below Guide Curve:
 - On Feb 1st 2012 = 90.5%
 - On Mar 1st 2013 = 51.7%
 - On Apr 1st 2013 = 69.0%
- 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.

Kerr Lake Elevation Forecast

(10/01/2012 - 09/30/2013)



- 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

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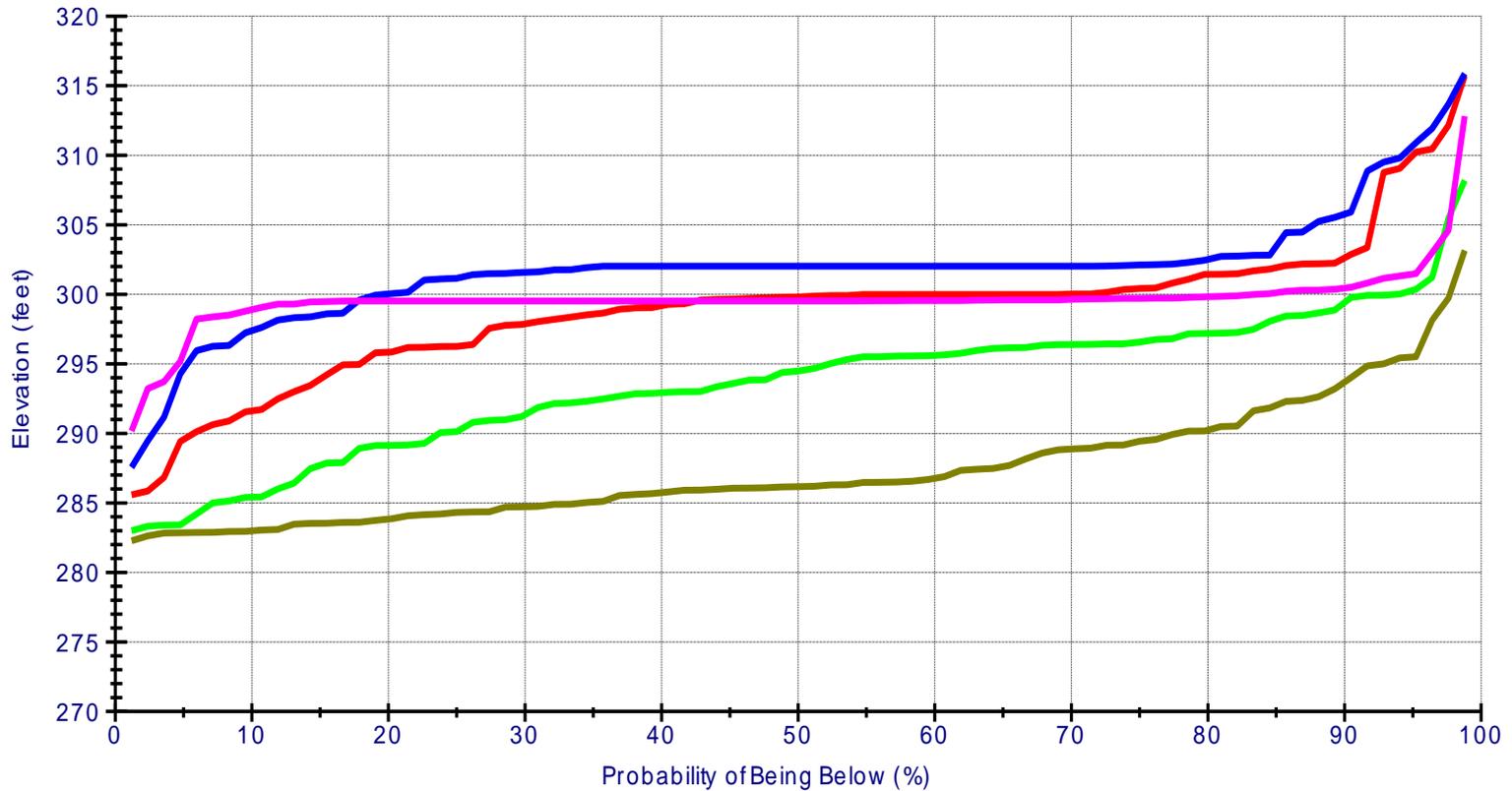
Forecast Date	Guide Curve (ft)	[Prob(%)] < Guide Curve
Feb 1,2013	295.50	90.5
Mar 1,2013	295.68	51.7
Apr 1,2013	301.07	69.0
May 1,2013	302.00	32.1
Jun 1,2013	301.83	26.2
Jul 1,2013	299.50	47.6

Initial Conditions:

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Kerr Elevation

JH Kerr Lake Forecast 01/01/2013



4 weeks

8 weeks

12 weeks

16 weeks

24 weeks

Initial Conditions 10/01/12
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