

Water Management Support Webinar









27 July 2015

10:00am - 11:00am



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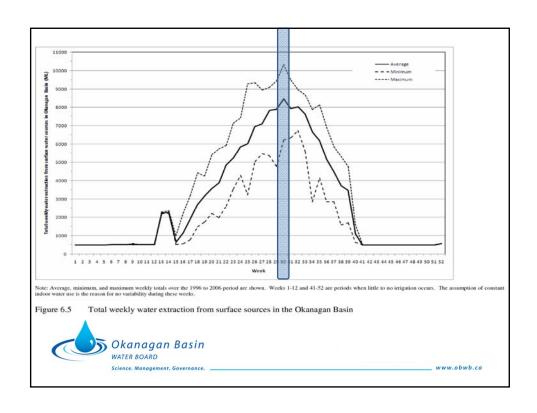


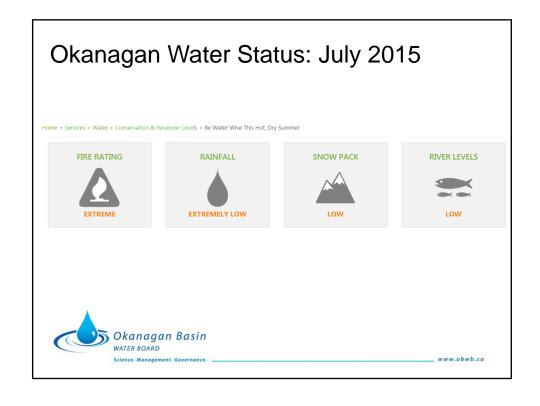
Webinar Host:

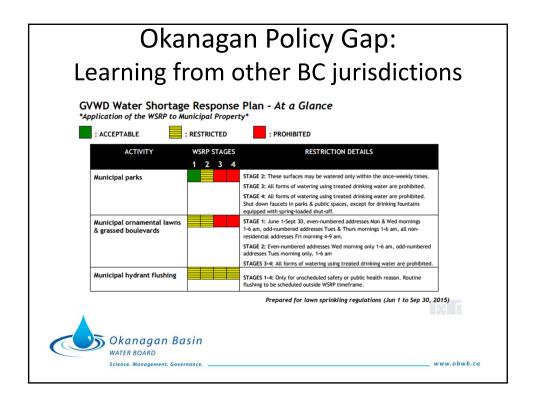
Nelson Jatel, M.A., P.Ag. Water Stewardship Director

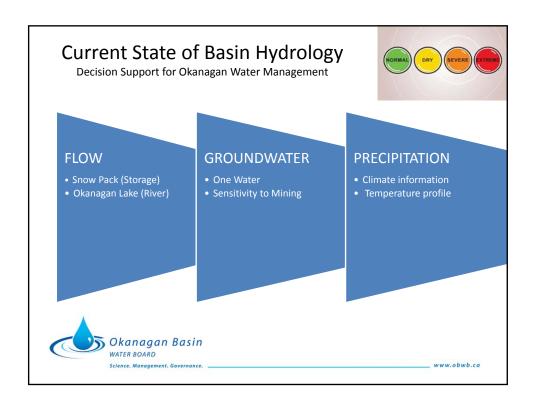


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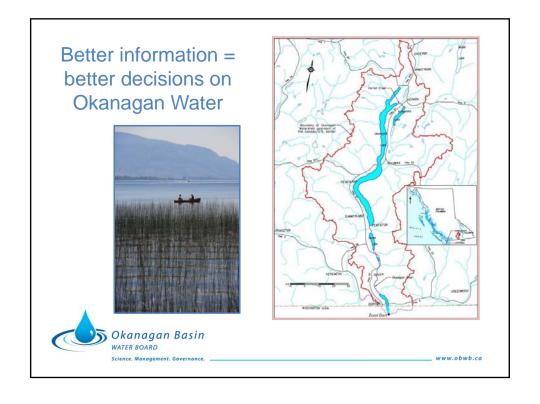












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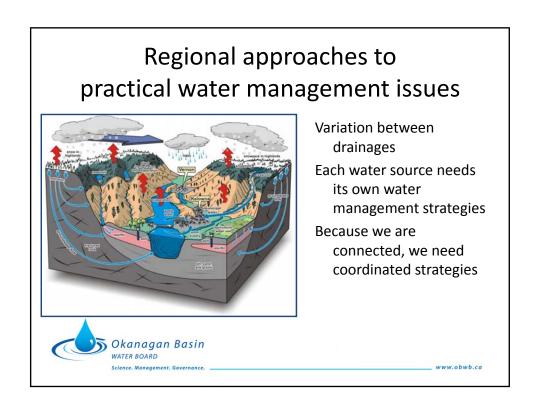
- Share resources, identify problems, suggest solutions, improve communication
- Water governance mandate
- Water management support
- Collaboration, community-to-community

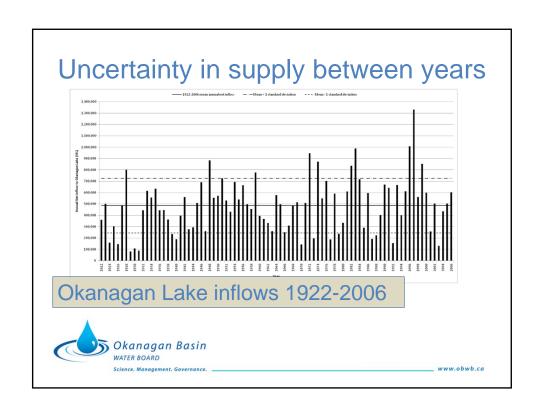


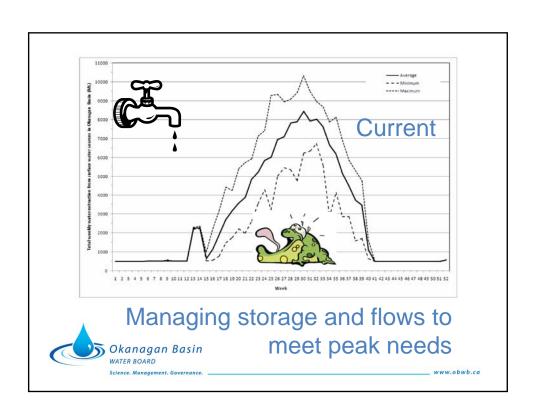










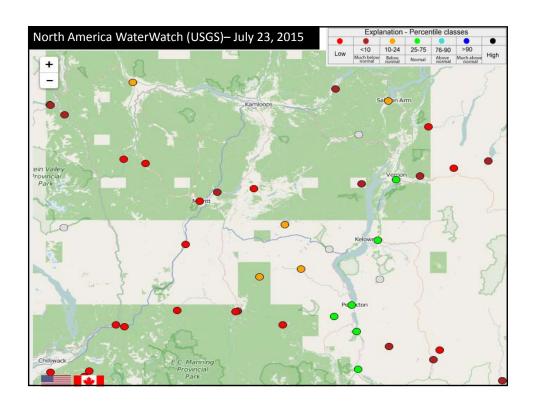


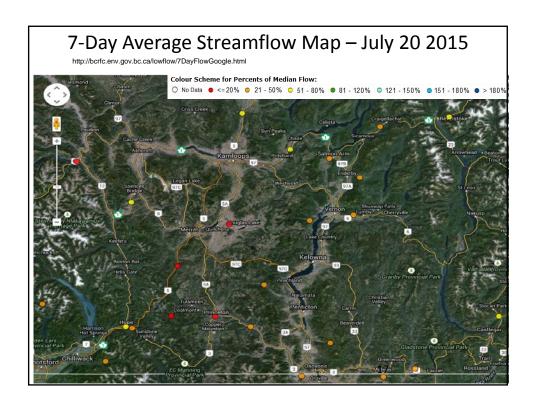
Okanagan Hydrologic Conditions

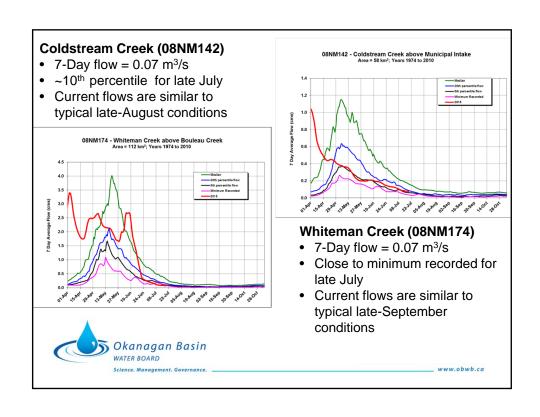
2015 Okanagan Water Supply Tobi Gardner – River Forecast Centre July 27, 2015

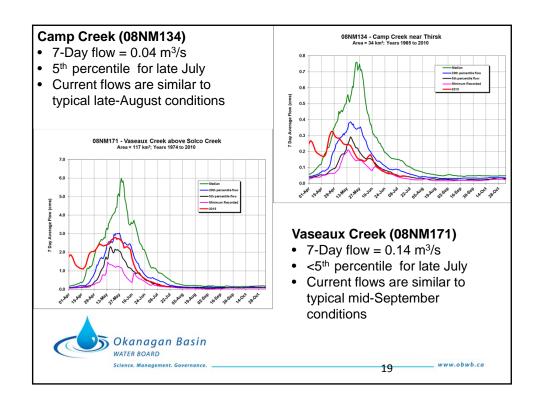


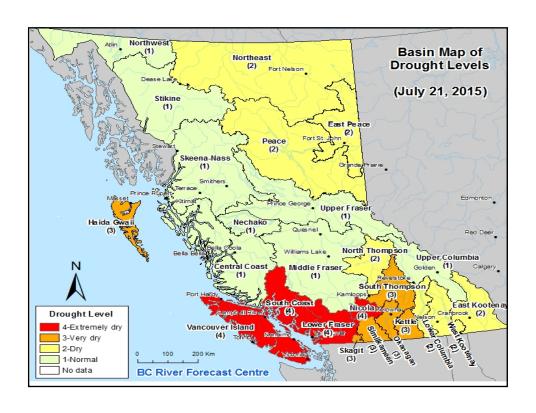
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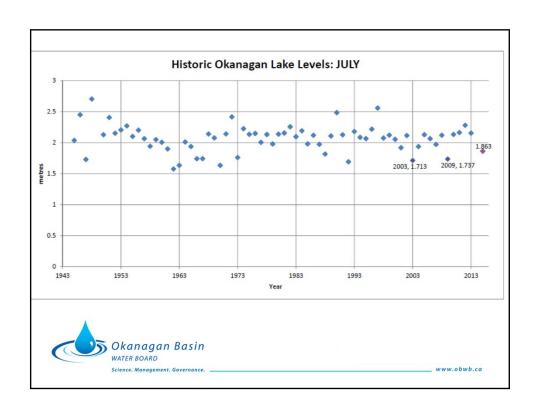


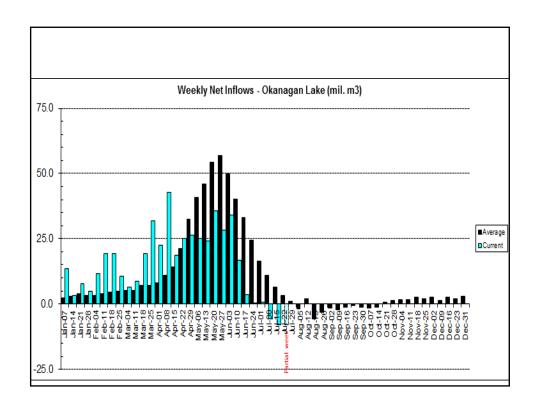


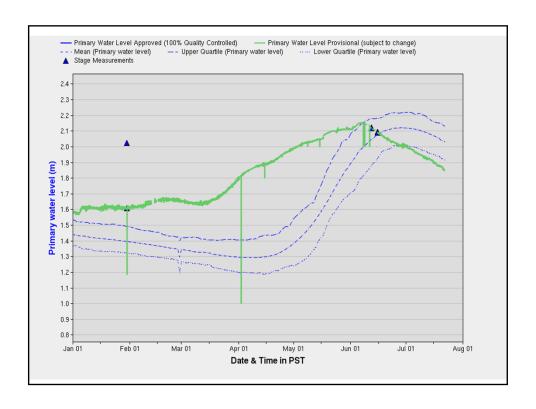
Summary

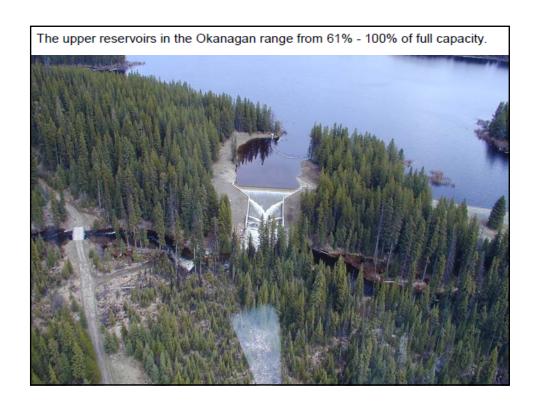
- On-going downward trend in river levels
- Current flows more typical of late-summer
- Challenges assessing small stream systems due to limited gauges
- Flows are unlikely to recover to seasonal conditions without substantial rainfall
- Further information at the RFC website: http://bcrfc.env.gov.bc.ca/lowflow/index.htm











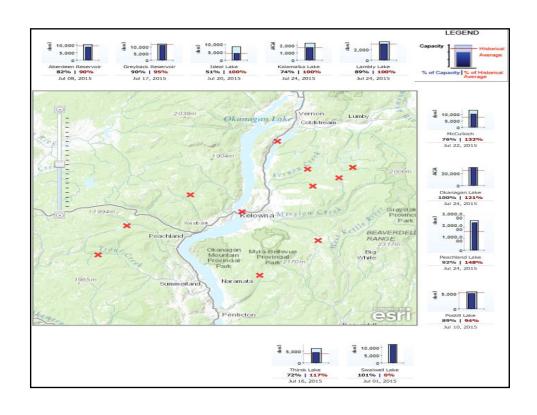


Table 1 summarizes the reservoirs/Lakes percent (%) of full capacity as categorized by the water provider and date of measurement.

| Water Provider (Date) | % Capacity |
|--|------------|
| Black Mountain Irrigation District (July 20, 2015) | 70% |
| Fish Hawk | 100% |
| Graystoke Reservoir | 78% |
| Ideal (Belgo) Reservoir | 51% |
| James Lake | 84% |
| Loch Long | 100% |
| | |
| City of Armstrong (July 2, 2015) | 99% |
| North Silver Star Reservoir | 98% |
| South Silver Star Reservoir | 100% |
| | |
| City of Penticton (July 17, 2015) | 90% |
| Greyback Reservoir | 90% |
| | |
| District of Lake Country (July 1, 2015) | 98% |
| Oyama Lake | 94% |
| Beaver (Swallwell) Lake (Includes Crooked Lake) | 100% |
| District of Peachland (July 14, 2015) | 92% |
| Peachland Reservoir | 92% |
| Glen and Silver do not record volumes, only elevations | |
| | |
| Glenmore Ellison Irrigation District (July 23, 2015) | 86% |
| Do not know breakdown of each reservoir | |
| Greater Vernon Water (July 8, 2015) | 81% |
| Aberdeen | 100% |
| Goose Lake | 65% |

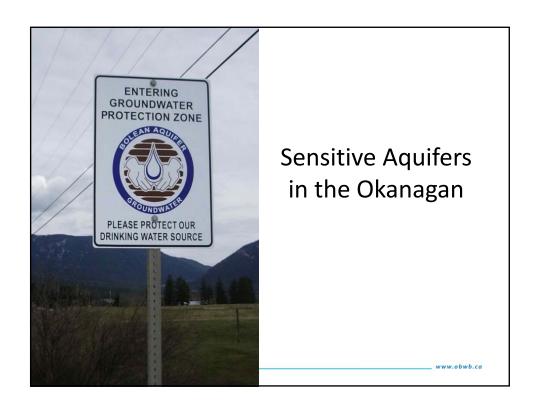


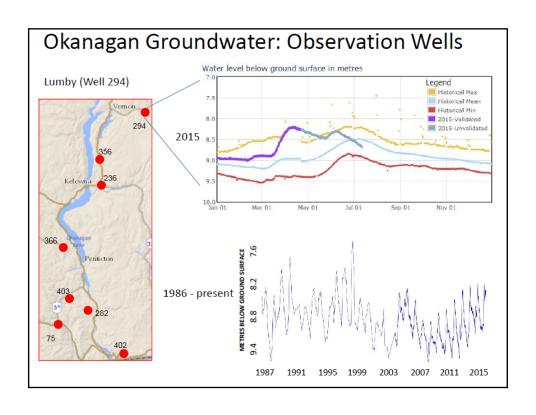
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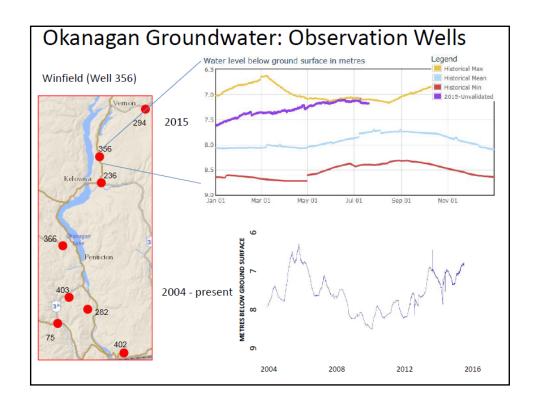
Haddo Grizzly King Edward 97% 81% Meadow Valley Irrigation District (July 24, 2015) Will be out of water in two weeks. Regional District of South Okanagan (July 20, 2015) Naramata Lake Big Meadow Lake Elinor Lake 62% 61% 67% 55% South East Kelowna Irrigation District (July 22)
Brown, Fish, and Long Meadow Reservoir/Lake
McCullough Reservoir
Turtle Lake 78% 73% 76% 91% District of Summerland (July 16)
Big Eneas
Crescent Reservoir
Headwaters Reservoirs (1-4)
Islantok Lake
Thursk Reservoir
Whitehead Reservoir 72% 100% 100% 100% 97% 72% 84% District of West Kelowna (July 24)
Dobbin Lake
Jackpine Lake
Lambly Lake
Paynter Lake
Islaht Lake
Tadpole Lake
Tadpole Lake 88% 53% 98% 89% 96% 86% 100% Esperson Reservoir

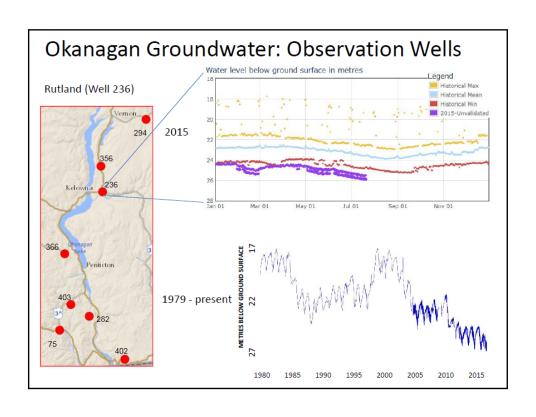


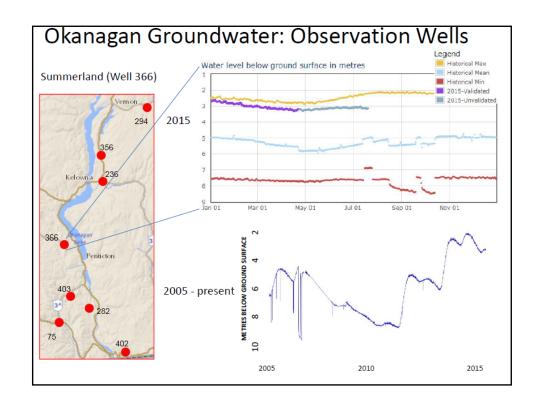
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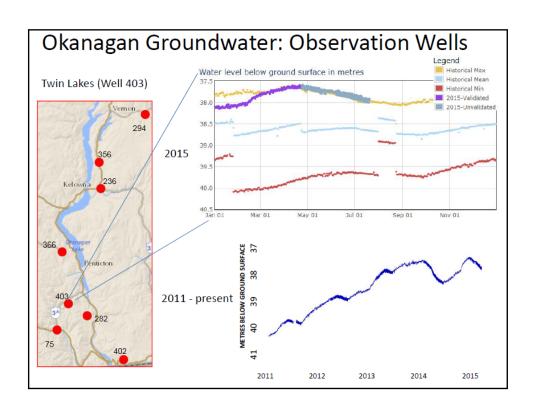


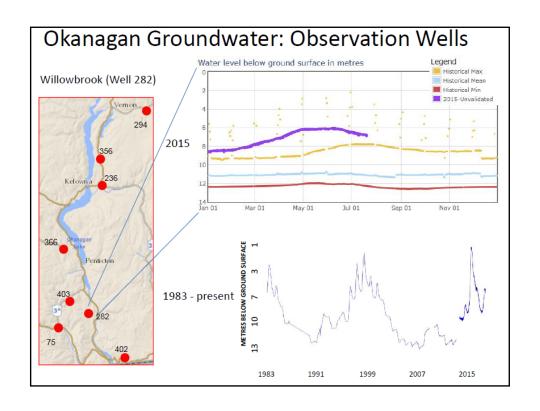


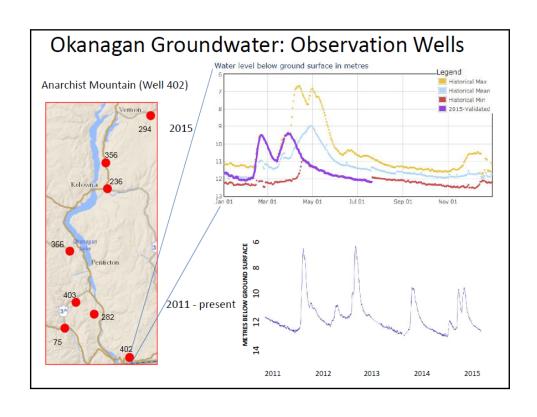












Further Info on the Observation Network and Groundwater Hydrographs



The Observation Well Network Interactive Map tool shows the general location of all active observation wells. Clicking on a well provides information on the well including hydrographs, data downloads, detailed well reports and observation well photos.

http://www.env.gov.bc.ca/wsd/data_searches/obswell/index.html



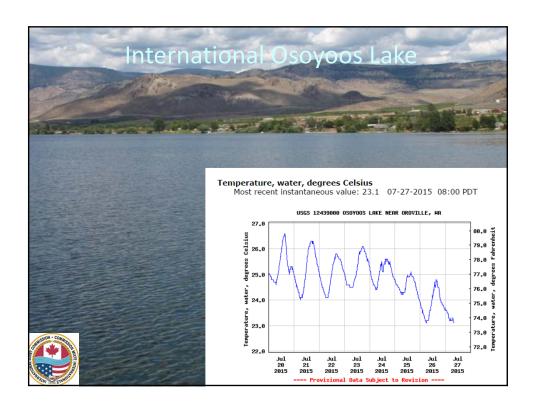
Environmental Reporting B.C. provides a summary of the long-term trends for all Observation Wells in B.C.

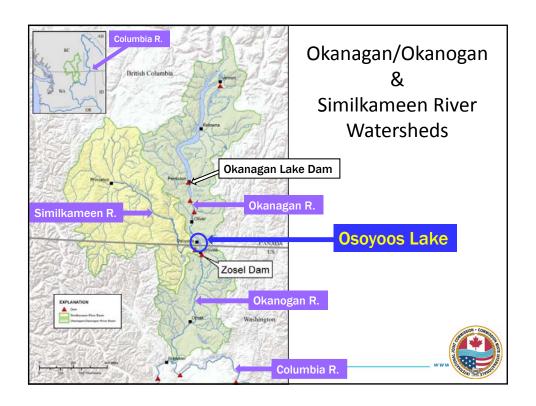
http://www.env.gov.bc.ca/soe/indicators/water/wells/

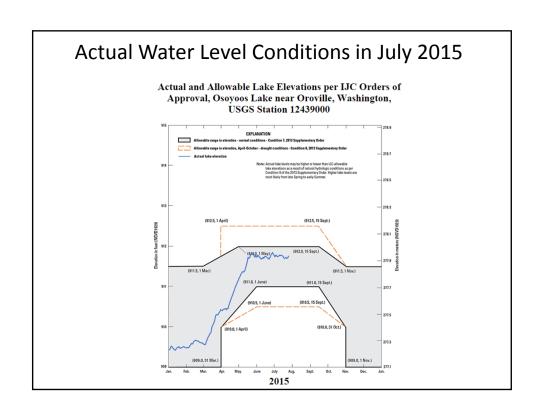
B.C Ministry of Forests, Lands and Natural Resource Operations Penticton Regional Office

Skye Thomson, Regional Hydrogeologist: (250) 490-8276 Skye.Thomson@gov.bc.ca

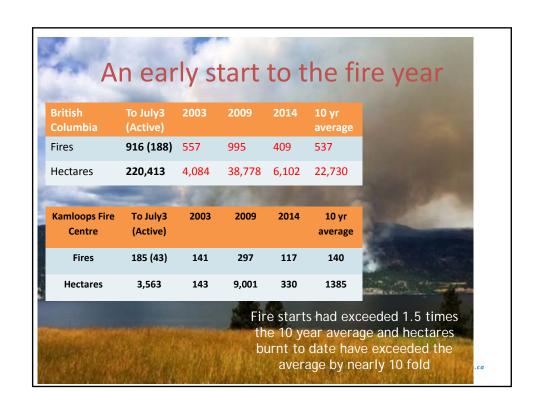
Nicole Pyett, Groundwater Protection Officer: (250) 490-2285 Nicole.Pyett@gov.bc.ca

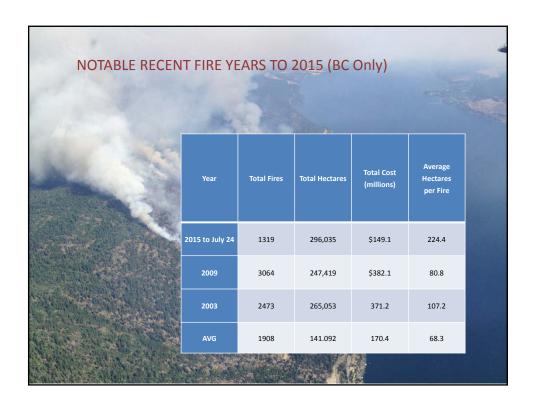


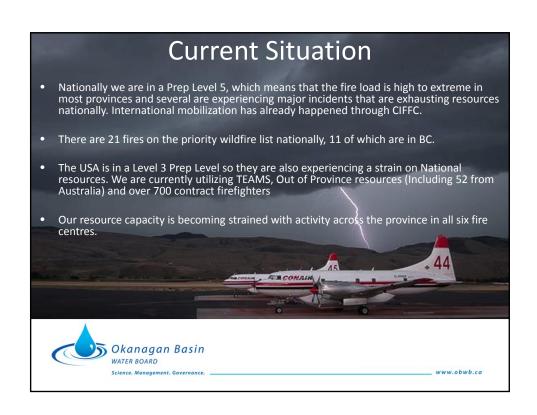


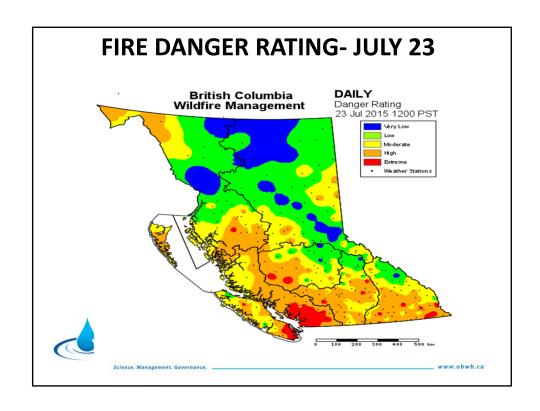


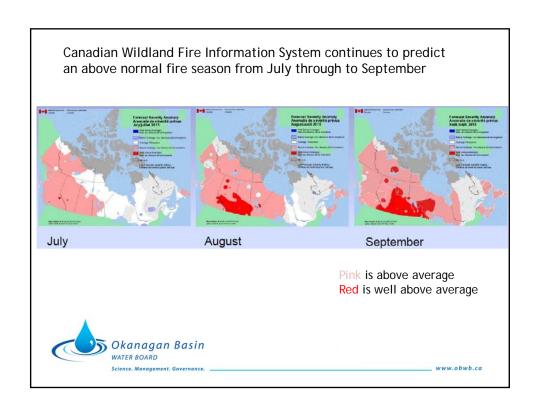












For more information http://bcwildfire.ca/index.htm

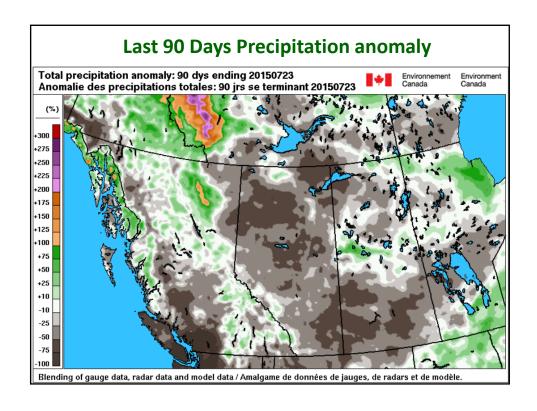


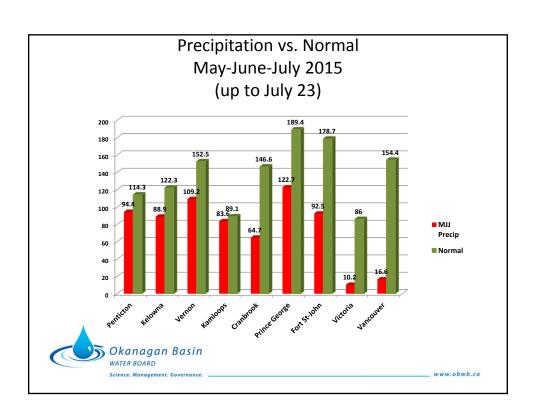
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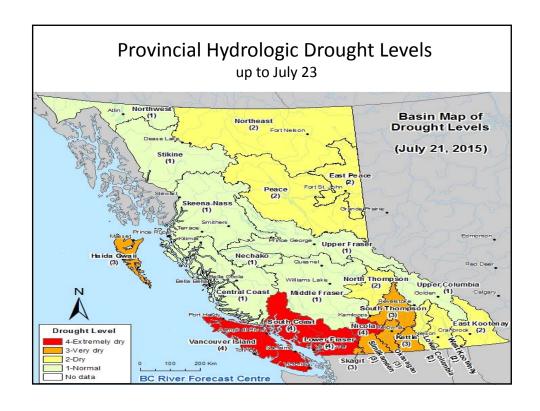


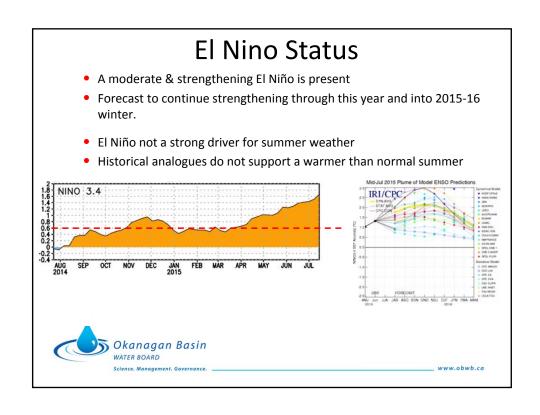
Weather Outlook 2015 Okanagan Water Supply

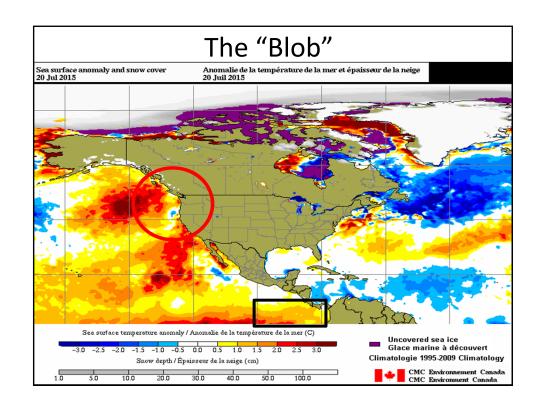
Lisa Coldwells
Meteorological Service of Canada
Pacific and Yukon Region
July 27, 2015

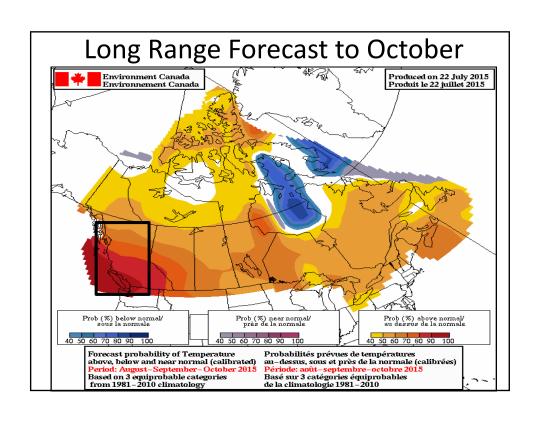


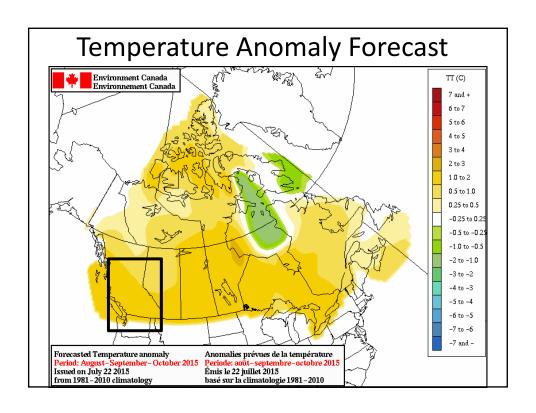


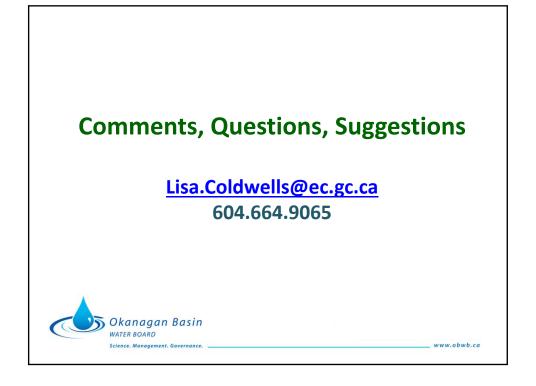


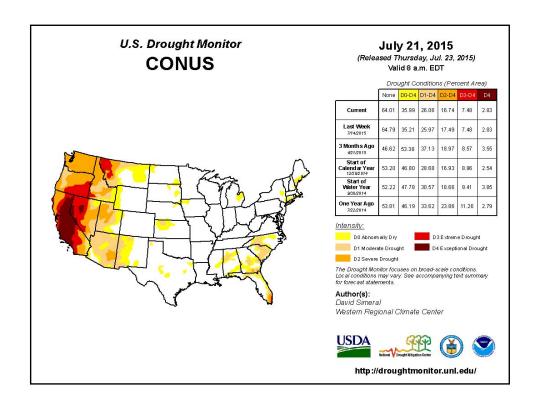












2015 Okanagan Water Supply: July 27th Updates (Week 30)

Presentation team

- · Lisa Coldwells, Environment Canada
- Don Dobson, Water Stewardship Council
- Toby Gardner, BC River Forecast Centre
- Nelson Jatel, OBWB
- Shaun Reimer, Ministry of Forest, Lands, Natural Resource Operations
- Bob Warner, Ministry of Forest, Lands, Natural Resource Operations
- Anna Warwick Sears, OBWB



