2015 American Geophysical Union Fall Meeting: Groundwater Technical Sessions

2015 American Geophysical Unior Index term: Hydrology (Keyword- Groundwater)		Number of poster session	Total Number of abstracts	Title	Number of oral presentation	Number of poster	Number of abstracts
	4	2	104	H11J Advances and Breakthroughs in Hydrogeology I	8	-	8
1828 Groundwater hydraulics				H12A Advances and Breakthroughs in Hydrogeology II H23I Complexities of Flow and Transport in Porous Media across Diverse Disciplines II	8	-	8
				H24A Complexities of Flow and Transport in Porous Media across Diverse Disciplines III	8	-	8
				H13A Advances and Breakthroughs in Hydrogeology III Posters	-	33	33
				H21A Complexities of Flow and Transport in Porous Media across Diverse Disciplines I Posters	0	39	39
				H11B Deep Boreholes and Wellbores: Monitoring, Modeling, and Mitigation I Posters	-	20	20
				H13E Data Integration, Inverse Methods, and Data Valuation across a Range of Scales in Hydrogeophysics II Posters	-	20	20
				H218 Drought, Groundwater Management, and Long-Term Groundwater Sustainability in the Western United States: Assessment, Monitoring, Modeling, Planning, Management, and Policy II Posters	-	23	23
				H21F Hydrochronology: Advances in Tracer Methods, Modeling Techniques, and Applications of Residence Times in Hydrology Research I Posters	-	21	21
				H23B Environmental Vadose Zone Hydrology Posters	_	27	27
				H23C Estimation of Total Effective Recharge of Groundwater: Significant of	-	8	8
				Recent Applicable Approaches between Different Climate Regions Posters H23D Hydrocarbon Multiphase, Multiscale Flow, and Transport			
				Characterization in Porous Media: Theoretical, Numerical, and Experimental Advances II Posters	-	13	13
				H318 Anomalous Transport across the Land Surface and in Rivers, Soil, or Aquifers Posters	-	8	8
				H31G Groundwater Flow and Transport in Coastal Aquifers I Posters	-	24	24
				H41F Remote Sensing and Modeling of Water Resources   Posters	-	22	22
		14	380	H43D Hydrological, Geochemical, and Biological Dynamics in Structural Variable Pathways (SVPs): From Soil Macropores to Fissure/Karst Systems II Posters	-	13	13
				H43F Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation III Posters	-	40	40
				H51C Discrete Fracture Networks (DFN): Advances in Flow Modeling and Characterization of Fractured Rock   Posters	-	18	18
	14			V53E Secondary Mineralization in Bedrock: Diagenesis, Cementation, Hydrothermal Precipitation, and the Interpretation of Paleofluid Flow II Posters	-	11	11
				H11M Data Integration, Inverse Methods, and Data Valuation across a Range of Scales in Hydrogeophysics I	8	-	8
				H13M Deep Boreholes and Wellbores: Monitoring, Modeling, and Mitigation II	8	-	8
				H14B Drought, Groundwater Management, and Long-Term Groundwater Sustainability in the Western United States: Assessment, Monitoring, Modeling, Planning, Management, and Policy I	8	-	8
				H21N Hydrocarbon Multiphase, Multiscale Flow, and Transport Characterization in Porous Media: Theoretical, Numerical, and Experimental Advances I	8	-	8
				H24A Complexities of Flow and Transport in Porous Media across Diverse Disciplines III	8	-	8
				H24D Hydrochronology: Advances in Tracer Methods, Modeling Techniques, and Applications of Residence Times in Hydrology Research II	8	-	8
				H34E Groundwater Flow and Transport in Coastal Aquifers II	8	-	8
				H411 Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation I	8	-	8
				H42C Hydrological, Geochemical, and Biological Dynamics in Structural Variable Pathways (SVPs): From Soil Macropores to Fissure/Karst Systems I	8	-	8
				H42E Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation II	8	-	8
				H44F Remote Sensing and Modeling of Water Resources II	8	-	8
				H515 Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation IV	8	-	8
				H53I Discrete Fracture Networks (DFN): Advances in Flow Modeling and Characterization of Fractured Rock II	8	-	8
				V51H Secondary Mineralization in Bedrock: Diagenesis, Cementation, Hydrothermal Precipitation, and the Interpretation of Paleofluid Flow I	8	-	8
				H31K Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes I	8	-	8

l				H32C Groundwater-Surface Water Interactions: Identifying and Integrating	8		
1830 Groundwater-surface water interaction	<u>3</u>	1	<u>66</u>	Physical, Biological, and Chemical Processes II			
				H33C Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes III Posters	-	42	42
				H411 Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes IV	8		
				H11F Nonpoint Source Flux Impact on Groundwater, Vadose Zone, and Surface Waters: Assessments, Mechanisms, and Control Strategies I Posters	-	20	20
				H11L Assessing Water Footprint and the Impact of Water Quality on Water Availability I	8	-	8
				H13D Assessing Water Footprint and the Impact of Water Quality on Water	-	15	15
				Availability II Posters H13L Water Quality of Hydrologic Systems Posters	-	27	27
				H13P Microorganisms, Colloids, Engineered Nanoparticles, and Emerging	8	_	8
				Contaminants in the Environment I  H14D Microorganisms, Colloids, Engineered Nanoparticles, and Emerging			
				Contaminants in the Environment II	8	-	8
				H14E Nonpoint Source Flux Impact on Groundwater, Vadose Zone, and Surface Waters: Assessments, Mechanisms, and Control Strategies II	8	-	8
				H21G Microorganisms, Colloids, Engineered Nanoparticles, and Emerging Contaminants in the Environment III Posters	-	29	29
				H23C Estimation of Total Effective Recharge of Groundwater: Significant of Recent Applicable Approaches between Different Climate Regions Posters	-	9	9
1831 Groundwater quality	<u>8</u>	<u>10</u>	<u>270</u>	H31B Anomalous Transport across the Land Surface and in Rivers, Soil, or Aquifers Posters	-	8	8
1051 Groundwater quality	<u>u</u>			H31E Environmental Impacts of Hydraulic Fracturing: Processes,	_	17	17
				Monitoring, Stewardship, and Solutions I Posters			
				H31G Groundwater Flow and Transport in Coastal Aquifers I Posters	-	23	23
				H34C Environmental Impacts of Hydraulic Fracturing: Processes,  Monitoring, Stewardship, and Solutions II	8	-	8
				H34E Groundwater Flow and Transport in Coastal Aquifers II	-	-	0
				H41J Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation I	8	-	8
				H42E Interdisciplinary Advances in Subsurface Contaminant Transport and	-	_	0
				Remediation II H43F Interdisciplinary Advances in Subsurface Contaminant Transport and			
				Remediation III Posters	-	40	40
				H510 The Land-Water-Energy Nexus: Hydrologic and Carbon Implications of Conventional, Unconventional, and Biofuel-Based Energy Development I Posters	-	18	18
				H51S Interdisciplinary Advances in Subsurface Contaminant Transport and Remediation IV	8	-	8
				H53N The Land-Water-Energy Nexus: Hydrologic and Carbon Implications of Conventional, Unconventional, and Biofuel-Based Energy Development II	8	-	8
	<u>5</u>		113	H11J Advances and Breakthroughs in Hydrogeology I	8	-	8
1832 Groundwater transport 5				H12A Advances and Breakthroughs in Hydrogeology II H13A Advances and Breakthroughs in Hydrogeology III Posters	- 8	32	8 32
				H51F Flow, Mixing, and Reaction: Interactions and Coupling in Hydrological		19	19
				Systems   Posters		19	15
				H51J Isotope Proxies in the Critical Zone: Deciphering Time-Dependent Processes in Weathering Profile, Fingerprinting of Surface and Groundwater and Residence Time Assessment Posters	-	10	10
		<u>4</u>		H51L Multiphase Flow and Hydrodynamic Instabilities in Fractured and/or Deformable Porous Media: From Soil Wetting and Drying to Geologic	-	12	12
				Carbon Sequestration, Shale Gas, and Unconventional Resources I Posters H53K Flow, Mixing, and Reaction: Interactions and Coupling in Hydrological			-
				Systems II H54C Flow, Mixing, and Reaction: Interactions and Coupling in Hydrological	8	-	8
				Systems III	8	-	8
				H54F Multiphase Flow and Hydrodynamic Instabilities in Fractured and/or_ Deformable Porous Media: From Soil Wetting and Drying to Geologic Carbon Sequestration, Shale Gas, and Unconventional Resources II_	8	-	8
			A33I Global Perspectives on Atmospheric Rivers, Tropical Moisture Exports, and Other Pathways of Water Vapor Transport I Posters	-	11	11	
				A53F Global Perspectives on Atmospheric Rivers, Tropical Moisture Exports, and Other Pathways of Water Vapor Transport II	8	-	8
				GC51D Observed and Projected Climate Change Impacts on Water Resources and Agriculture I Posters	-	17	17
				GC53H Observed and Projected Climate Change Impacts on Water	8	-	8
l l		I	I	Resources and Agriculture II		<u>I</u>	

				GC54A Observed and Projected Climate Change Impacts on Water Resources and Agriculture III	8	-	8
				H11P Hydroclimatic Extremes: Drought I	8	-	8
				H12F Hydroclimatic Extremes: Drought II	8	-	8
				H13I Hydroclimatic Extremes: Drought III Posters	-	35	35
				H21I Utilizing Precipitation Data Sets and Quantifying Associated			
				Uncertainties in Hydrometeorological and Climate Impact Applications I	-	19	19
				<u>Posters</u>			
1833 Hydroclimatology	12	<u>8</u>	254	H210 Hydroclimatic Extremes: Drought IV	8	-	8
1833 Hydroclimatology 12	12	<u>o</u>	234				
				H23L Utilizing Precipitation Data Sets and Quantifying Associated	8	-	8
				Uncertainties in Hydrometeorological and Climate Impact Applications II			
			H24E Utilizing Precipitation Data Sets and Quantifying Associated	8	-	8	
			Uncertainties in Hydrometeorological and Climate Impact Applications III				
			H33G Teleconnections in Hydrological Systems at Decadal Timescales:	-	9	9	
			Challenges for Hydrological Modeling and Projection Uncertainties Posters				
			H41A Advances in Hydroclimatology and Climate Change I Posters	-	20	20	
			H44A Advances in Hydroclimatology and Climate Change II	8	-	8	
			NH31C Climate, Hydro-Epidemiology and Health I	8	-	8	
				NH51A Climate, Hydro-Epidemiology and Health II Posters	-	15	15
				PP11B Water Isotope Systematics: Improving Modern and Paleoclimate		22	22
			Interpretations I Posters	-	32	32	
				PP13E Water Isotope Systematics: Improving Modern and Paleoclimate			
				Interpretations II	8	-	8
				PP14A Water Isotope Systematics: Improving Modern and Paleoclimate			
				Interpretations III	8	-	8
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