NAF Hydrogeological Complexes		ROCK AQUIFERS				SEDIMENT AND ROCK AQUIFERS																		ROCK AQUIFERS								
Province ID		100		110		120	130	140		150		160	170	180		190	200		210	220			230	240		250	260	270	280	290
NaHGCName	NaHGCNumber	Tasmania	Bass Straight	Sydney Basin	East coast fractured Rock	Clarence-Morton Basin	Laura Basin	GAB	Central NSW fractured Rock	Murray Basin (East)	Murray Basin (West)	Otway Basin/Torquay Basin	Central Coast Basins (Port Phillip & Westernport)	Gippsland Basin	SA Fractured Rock	Willunga Basin	St Vincent Basin	SA Fractured Rock	Eucla Basin	Perth Basin	Outback WA Fractured Rock	Canning Basin and Officer Basin	Carnarvon Basin	NT/WA Fractured Rock	Bonaparte Basin	Daly Basin	Georgina Basin	Wiso Basin	Amadeus Basin
Quaternary sediments	100	**Quaternary alluvial, lacustrine and colluvial sediments, Quaternary glacial, periglacial and fluvioglacial sediments, Quaternary marine sediments**	BASSMENT/BASS STRAIGHT	**Quaternary alluvial, lacustrine and colluvial sediments**	BASSMENT	**Quaternary alluvial, lacustrine and colluvial sediments**			BASSMENT	Quaternary marine sediments, Quaternary aeolian sediments, Quaternary alluvial, lacustrine and colluvial sediments	Quaternary marine sediments, Quaternary aeolian sediments, Quaternary alluvial, lacustrine and colluvial sediments	Quaternary alluvial, lacustrine and colluvial sediments, Quaternary marine sediments	Quaternary alluvial, lacustrine and colluvial sediments, Quaternary marine sediments	Quaternary alluvial, lacustrine and colluvial sediments	BASSMENT	Undifferentiated Quaternary sediments	Quaternary alluvium, colluvium and lacustrine sediments, Pooraka Formation, Saint Kilda Formation	BASSMENT	Row Calcarenite, Quaternary alluvial, lacustrine and colluvial sediments, Quaternary marine sediments	Undifferentiated Quaternary aeolian sediments, Bassendean Sand, Becher Sand, Guangara Sand, Guildford Formation, Safety Bay Sand, **superficial formations,** Tamala Limestone		**Paleao-channels**	**Paleao-channels**	**Paleao-channels**	**Paleao-channels**	**Alluvium**				
Quaternary coastal sands	101	**Quaternary coastal sands**																												
Quaternary volcanics	102																													
Upper Tertiary to Quaternary basalts	103											**Undifferentiated Upper Tertiary to Quaternary basalt**	**Undifferentiated Upper Tertiary to Quaternary basalt**																	
Upper Tertiary to Quaternary sediment aquifer	104							**Narrabri Formation**		**Upper Shepparton Formation, Lower Shepparton Formation, Cowra Formation**	Upper Shepparton Formation, Lower Shepparton Formation, Cowra Formation					Christies Beach formation, Ngaltinga Formation, Peramimma Sandstone, Ochre Cove Formation	Hindmarsh Clay												
Upper Tertiary to Quaternary sediment aquitard	105										Blanchetown Clay			**Haunted Hills Formation**, Eagle Point Sand, Bolodale Formation (Nuntin Clay)																
Tertiary to Quaternary sediments	106	**Tertiary to Quaternary sediments**																		Ascot Formation, Yoganup Formation								Tertiary to Quaternary sediments	Tertiary to Quaternary sediments	
Tertiary to Quaternary volcanics	107																													
Upper Tertiary marine sediment aquifer	110										**Loxton Sand, Parilla Sand,** Norwest Bend Formation,	Dorodong Sand, Grange Burn Formation, Hanson Plain Sand	Moorabool Viaduct Formation			Carisbrooke Sand, **Dry Creek Sand,** Hallett Cove Sandstone, **Upper Port Willunga Formation**	Carisbrooke Sand, **Dry Creek Sand,** Hallett Cove Sandstone, **Upper Port Willunga Formation**												
Upper Tertiary fluvial sediment aquifer	109							**Gunnedah Formation**		Calivil Formation, **Calivil Formation, Lachlan Formation**		Unnamed Burtscript, undifferentiated Upper Tertiary Aquifer (fluvial)	**Baxter Sandstone,** Brighton Group	**Boisdale Formation (Warrook Sand)**					**Garford Formation, Nartaby Formation , (Paleao-channels)**											
Upper Tertiary sediment aquitard	108									Rookpartning Formation, Lower Loxton Clays							Munno Para Clay Member													
Upper Mid-Tertiary marine sediment aquifer	111										**Duddo Limestone, Murray Group and correlates**	Heytesbury Group, Portland Limestone, Heywood Marl, Bochara Limestone, **Port-Campbell Limestone,** Whalers Bluff Formation, **Gambier Limestone**	Batesford Limestone, **Sherwood Formation, Yallock Formation**	Abbotsford Formation, Alberton Coal Seams, **Balook Formation,** Hawkwood Formation, Morwell Formation, Morwell seams, Yallourn Formation,		Chinaman Gully Formation, **Lower Port Willunga Formation**	Lower Port Willunga Formation, Chinaman Gully Formation,		Abrakurrie Limestone, **Nullarbor Limestone, Wilson Bluff Limestone,** Colville Sandstone, Plunmidge Formation											
Upper Mid-Tertiary sediment aquitard	112										Geera Clay, Winnambool Formation	Gellibrand Marl, Torquay Group	Fyansford Formation, Newport Silt	Gippsland Limestone, Lakes Entrance Formation, Sale Formation, Seaspray Group, Lower Latrobe Group, Tambo River Formation, Gifford Sandstone Member															
Lower Mid-Tertiary sediment aquifer	113											**Clifton Formation**	Maude Formation	Seaspray Sand																
Lower Mid-Tertiary sediment aquitard	114										Boga Silt, Ettrick Formation, Narrawaturk Marl, Yanac Member	Narrawaturk Marl, Flounder Formation, Nirranda Group, Sturgess Point Member, Upper Mepunga Formation, Wangoom Sand, Demons Bluff Group, Anglesea Formation, Ettrick formation																		
Lower Tertiary sediment aquifer	115									**Upper Renmark Group, Middle Renmark Group, Lower Renmark Group, Undifferentiated Renmark Group**	**Upper Renmark Group, Middle Renmark Group, Lower Renmark Group, Undifferentiated Renmark Group**	Burrungule Member, **Dilwyn Formation,** Taugher Volcanics, Rivemeuk Member, Moorowarrong Sand Member, Timboon Sand, Wangerrip Group, Dartmoor Formation, Gellibrand Marl, Narrawaturk Member, Pebble Point Formation, **Eastern View Formation**	**Werribee Formation,** Maddingley Coal Seam, Yalizak Formation	Burong Formation, Traralgon Seam, **Latrobe Group,** White Hills Gravels, Yarram Formation, Childers Formation		Clinton Formation, **Maslin Sands, Tortachilla Limestone**	Clinton Formation, Maslin Sands, Tortachilla Limestone,		Plantagenet Group, **Hampton Sandstone,** Lower Tertiary sediments, Pidinga formation, Toolona Limestone	Kings Park Formation	BASSMENT	Lawford Formation, Oakover Formation	Cape Range Group,Cardabia Calcarenite,Giralia Calcarenite, Mandu Limestone, Trealla Limestone, **Tulki Limestone**	BASSMENT	Plover Formation				
Lower Tertiary sediment aquitard	116															Blanche Point Formation	Blanche Point Formation													
Lower Tertiary basalts	117									**Older Volcanics**		**Older Volcanics**	**Mornington Volcanics**	Carrajung Volcanics, **Thorpdale Volcanics**																
Tertiary intrusives	118																													
Tertiary sediments	119	**Undifferentiated Tertiary limestone**, Undifferentiated Tertiary sediments																												
Tertiary volcanics	120	**Undifferentiated Tertiary volcanics**				**Lamington Volcanics, Main Ridge Volcanics**																								
Cretaceous sediments	121						Rolling Downs Gp	**Winton-Mackunda Aquifer,** Rolling Downs Aquitard												Dandaragan Sandstone, Donnybrook Sandstone, Gingin Chalk, Lancelin Formation, **Leederville Formation,** Molecup Greensand, Osborne Formation, Poison Hill Greensand, South Perth Shale, Warnbro Group		Ankatell Formation, Callawa Formation, Cretaceous Sandstone, Emeraus Sandstone, Fessler Sandstone, Jarlemai Siltstone, Madura Formation,Parda Formation,Madeleine Shale										
Lower Cretaceous to Jurassic sediments	122					**Grafton Fm, Kangaroo sst**	**Gilbert River Fm, Dalrymple sst**	**Cadna-owie Hooray Aquifer**																						
Jurassic sediments	123	**Jurassic dolerite**				Walloon Coal Measures, **Koukandowie Fm, Gatton sst, Ripley Road sst, Raceview Fm, Woororoo Subgroup**		Westbourne Aquitard, **Adori Springbok Aquifer,** Birkhead Walloon Aquitard , **Hutton Aquifer,** Evergreen Poolowanna Aquitard, **Precipice Aquifer**																						
Triassic sediments	124																		Kockatea Shale			Blina Shale	Kockatea Shale, Locker Shale							
Mesozoic sediments	125	**Triassic sediments, Triassic sediments and volcaniclastics**														Cape Jervis Formation			**Loongana Sandstone**	Cattamarra Coal Measures, Chapman Group, Cocklershell Gully Formation, Eneabba Formation, Gage Sandstone, **Leseuer Sandstone,** Osborne Formation, **Parmelia Group,** Woodada Formation, **Yarraquille Formation**		**Alexander Formation, Broome Sandstone, Erskine Sandstone,** Leongarra Sandstone, **Walal Sandstone,** Windalia Radiolarite	Windalia Radiolarite, **Birdrong Sandstone**									
Mesozoic intrusives	126																													
Mesozoic volcanics	127																			Bunbury Basalt										
Permian to Cretaceous sediments	128																													
Permian to Triassic sediments	129	**Parmeener Supergroup**		**Wianamatta Group, Mittagong Formation, Hawkesbury Sandstone Narrabeen Group,**																										
Permian sediments and volcanics	130	Permian freshwater sandstone, mudstone and coal,**Permian to Upper Carboniferous sediments, Permian to Carboniferous glaciomarine sediments**																				Waitsona beds								
Palaeozoic intrusives	131	Devonian intrusives, Cambrian intrusives, Cambrian peridotite, dunite, pyroxenite, harzburgite and lonalite, Darwin, Murchison, Dove, Elliott Bay, South-West Cape Granites																												
Palaeozoic metamorphics	132																													
Palaeozoic meta-sediments and volcanics	133	**Gordon Group,** Undifferentiated Cambrian sediments, Cambrian to Ordovician conglomerates and sandstones, Cambrian conglomerate and arenaceous units, Cambrian lithic/wacke and conglomerate, Cambrian siliceous conglomerate and sandstone, Cambrian extrusives, Arnsbell Sandstone, Rinadeena Shale and correlates, Austral Creek Siltstone, Richea Siltstone, Amber Slate, Keel Quartzite, Bell Shale, McLeod Formation, Cleveland-Waratah Association and correlates, Crotty Quartzite and correlates, Eastern Quartz-Phyric Sequence and correlates, Eldon Group, Tiger Range Group, Eugenana Beds, Florence Quartzite, Currawong Quartzite and correlates, Industry Road Member, Island Road Formation and correlates, Lone Star Siltstone, Lower Owen Conglomerate, Mathinna-Panama Group, Middle Owen Conglomerate, Moina Sandstone, Pioneer Beds, Butler Island Formation, Newson Creek Sandstone, Middle Owen Sandstone, Upper Dundas Group, Rosebery Group, Persimmon Group, Retreat Formation, Scamander Formation, Scopus Formation, Sideling Sandstone, Sticht Range Beds, Mivers Ridge Sandstone, Animal Creek Greywacke, Stony Head Sandstone, Trial Ridge Formation,Turquoise Bluff Slate, Tyndall Group and correlates, Upper Owen Sandstone, Yarrow Creek Mudstone, Yolande River Sequence, White Spur Formation, lower Dundas Group, Mt Charter Group, Southwell Subgroup, Gog Range Greywacke		Illawarra Coal Measures, Newcastle Coal Measures, Tomago Coal Measures, **Shoalhaven Group,** Pheasants Nest Fm, Eime Vale Fm, Sydney Sub Group, Waratah Sandstone, Dempsey, Ashburn Marine, Tongue, Mulbring Siltstone, Paterson Formation, Clarence Conglomerate, Wang Wood Fm, Farley Formation, Allandale Fm, Branxton Fm, Cessnock Sandstone, Rutherford Fm , Lochinvar Formation, Late Carboniferous Volcanics,																												
Proterozoic to Mesozoic bedrock	134																													
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