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LEGEND

PALEOPROTEROZOIC

PHd — *HUMITZ GROUP* **(PHd-PHt)**

HUMITZ GABBRO: discontinuous gabbro sills; coarse-grained, poikilitic. Local crude layering concordant with bedding in adjacent units. Chloritic shear zones common. 2171 ± 0.6 Ma (Heaman and LeCheminant 1992). Pre-folding of Humitz Group.

PHT — *TAVANI FORMATION: tan and grey-weathering subarkose. Local parallel and cross-stratified heavy mineral bands, rare interbeds of green mudstone and intraclastic mudchip breccia. At base, lenses of microbial laminated dolostone. At top, interbedded with mudstone, deposited in quartz-rich sand sheet and soft sediment deformation structures*

PHW — *WATTERSON FORMATION: rose and orange stromatolitic and microbial laminated dolostone; local intraclastic breccia. Stromatolites cross, laterally-linked, bulbous to nodular hemispheroids. Mixed carbonate and siliciclastic intervals of grey, green with angular carbonate intraclasts grading to orange microbial laminites; arkose to slate fining-upward sequences interbedded with orange microbial laminite*

PHA — *AMETO FORMATION: at base: red, buff, green slate with mm-cm scale parallel-stratified arkose. Up-section: cm-dm scale arkose to slate fining-upward cycles; intermedy cross stratification at top*

KINGA FORMATION **(PHK-PHKW)**

HAMM HILL MEMBER: discontinuous unit of bedded white chert, maroon chert and chert breccia conformably between the Whitecrock Member and Ameto Formation. Discontinuous breccias at top of Whitecrock Member

PHKW — *WHITECROCK MEMBER: supermature quartz arenite. Lower part of section commonly massive, upper 200 m with ubiquitous wave ripples. Paleodepth calculations based on symmetrical, wave orbital ripples indicates depths of 2 cm to 2 m for the entire sequence (Aspler et al., 1994b)*

PHKM — *MAGUIRE MEMBER: maroon, pink, grey subarkose to quartz arenite; interbeds of white quartz arenite at top. Local black pastel and cross-stratified heavy mineral bands. At base, pebbly sandstone and grit with clasts of well-rounded spherical white quartz, jasper, blue and grey chert*

PHP — *PADLEI FORMATION: massive mafic and stratified polymictic conglomerate; arkose; mm-cm scale sandstone- siltstone-mudstone rhythmites with dropstones; till pellets, possible skate pseudomorphs*

NOONKUT FORMATION **(PHNA-PHNS)**

PHNA — *Sandstone facies. Subarkose to quartz arenite*

PHNC — *Conglomeratic facies. Subarkose to quartz arenite with interbeds of quartz pebble conglomerate, in part pyritic*

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