WHAT IS CLAIMED IS:

1. A wellbore tool, comprising:

an expandable member positionable on a downhole conveyance member in a wellbore; wherein the expandable member comprises a metal ~~having an outer surface and configured to expand in response to hydrolysis, and wherein a volume of the expandable member is sufficient to expand to anchor one or more downhole tools within the wellbore in response to the hydrolysis~~and the expandable member has an outer surface; and

a barrier coating layer covering at least a portion of the outer surface of the expandable member, the barrier coating layer having a composition formulated to react with a wellbore fluid and erode within a predetermined amount of time to allow the wellbore fluid to contact and hydrolyze the ~~expandable member~~metal of the expandable member and thereby expand the expandable member in response to the hydrolysis sufficient to expand to anchor one or more downhole tools within the wellbore in response to the hydrolysis, wherein the barrier coating layer is a multilayer barrier coating layer that comprises a polymer, a ceramic, an organic compound, metal, or any combination thereof, the multilayer barrier coating layer including a first coating located on the expandable metal comprising an anodizing coating or plasma electrolytic oxidation coating and a second coating located on the first coating.

2. The wellbore tool as recited in Claim 1, wherein the metal is an alkaline earth or a transition metal.

3 The wellbore tool as recited in Claim~~s~~ 1 ~~or 2~~, wherein the metal is magnesium, aluminum or calcium and the metal expands in response to one of magnesium hydrolysis, aluminum hydrolysis, calcium hydrolysis, or calcium oxide hydrolysis, respectively.

4. The wellbore tool as recited in Claim ~~3~~1 wherein the metal is a magnesium alloy or a magnesium alloy alloyed with at least one of Al, Zn, Mn, Zr, Y, Nd, Gd, Ag, Ca, Sn, or Re.

~~5. The wellbore tool as recited in Claim 1, wherein the barrier coating layer comprises a polymer, a ceramic, an organic compound, metal, or a combination thereof.~~

~~6~~5. The wellbore tool as recited in Claim~~s~~ 1~~, 2, or 5~~, wherein the barrier coating layer comprises a barrier coating metal and the barrier coating metal is nickel, gold, silver, titanium, or chrome.

~~7~~6. The wellbore tool as recited in Claim ~~6~~5, wherein the barrier coating metal is nickel having a residual porosity.

~~8~~7. The wellbore tool as recited in Claim ~~7~~6, wherein the nickel is an electroless nickel on a magnesium-base alloy and has a porosity that provides a first rate of delay before an onset of expansion of the expandable member, and a second, reduced rate of expansion of the expandable member when exposed to ~~a~~ the wellbore fluid.

~~9~~8. The wellbore tool as recited in Claim~~s~~ 1~~, 2, or 5~~, wherein the barrier coating layer comprises ceramic and the ceramic is zirconium dioxide.

~~10~~9. The wellbore tool as recited in Claim~~s~~ 1~~, 2, or 5~~, wherein the barrier coating layer comprises a polymer.

~~11~~10. The wellbore tool as recited in Claim ~~10~~9, wherein the polymer is polylactic acid, poly(glycolic acid), low density polyethylene, high density polyethylene, polypropylene, or urethane plastic.

~~12~~11. The wellbore tool as recited in Claim ~~11~~10, wherein the polymer is at least 30% crystalline.

~~13. The wellbore tool as recited in Claims 1, 2, or 5, wherein the barrier coating layer is comprised of multiple layers.~~

~~14. The wellbore tool as recited in Claim 13, wherein the multiple layers is a first coating located on the expandable metal comprising an anodizing coating or plasma electrolytic oxidation coating and a second coating located on the first coating and comprising a polymer.~~

~~15~~12. The wellbore tool as recited in Claim ~~14~~1, wherein the first coating and the second coating ~~multiple layers~~ provide at least a 10 hour delay of expansion of the expandable metal when exposed to ~~a~~ the well bore fluid.

~~16~~13. The wellbore tool as recited in Claim~~s~~ 1~~, 2, or 5~~, wherein the barrier coating layer has a permeability that allows ~~a~~ the wellbore fluid to permeate the barrier coating layer within the predetermined amount of time.

~~17~~14. The wellbore tool anchor as recited in Claim~~s~~ ~~1, 2, or 5~~13, wherein the barrier coating layer has a porosity that ranges from 0.001% to 20%.

~~18~~15. The wellbore tool anchor as recited in Claim~~s~~ ~~17~~14, wherein the porosity ranges from 0.001% to 10%.

~~19~~16. The wellbore tool anchor as recited in Claim~~s~~ ~~1, 2, or 5~~14, wherein the barrier coating layer has a permeability rate that ranges from 0.001 g/m^2/day to 1000 g/m^2/day of the water at 200ºF.

~~20~~17. The wellbore tool anchor as recited in Claim ~~19~~16, wherein the permeability rate is 1 g/m^2/day of the water at 200ºF.

~~21~~18. A well system, comprising:

a downhole conveyance locatable within a wellbore,

one or more expandable members coupled to the downhole conveyance, wherein the one or more expandable members comprise a metal ~~configured to expand in response to hydrolysis~~;

a barrier coating layer covering an outer surface of the one or more expandable members, the barrier coating layer having a composition formulated to react with a wellbore fluid and erode within a predetermined amount of time to allow the wellbore fluid to contact and hydrolyze the ~~one or more expandable members~~metal of the one or more expandable members to allow water in the wellbore fluid to contact and hydrolyze the metal of the expandable member and thereby expand the expandable member in response to the hydrolysis, wherein the barrier

coating layer is a multilayer barrier coating layer that comprises a polymer, a ceramic, an organic compound, metal, or any combination thereof, the multilayer barrier coating layer including a first coating located on the expandable metal comprising an anodizing coating or plasma electrolytic oxidation coating and a second coating located on the first coating; and

a downhole tool coupled to the one or more expandable members, wherein a combined volume of the one or more expandable members in response to the hydrolysis is sufficient to expand to anchor the downhole tool within the wellbore ~~in response to the hydrolysis~~.

~~22~~19. A method for setting an expandable metal wellbore anchor, comprising:

positioning a downhole conveyance at a desired location within a wellbore of a subterranean formation, the downhole conveyance having ~~an~~ a pre-expansion expandable metal wellbore anchor coupled thereto, the pre-expansion expandable metal wellbore anchor including~~;~~:

one or more expandable members positioned on the downhole conveyance having a barrier coating layer covering an outer surface of the one or more expandable members, the barrier coating layer having a composition formulated to react with a wellbore fluid and erode within a predetermined amount of time to allow the wellbore fluid to contact ~~and hydrolyze~~ the one or more expandable members;

wherein the one or more expandable members comprise a metal that when contacted by the wellbore fluid undergoes hydrolysis configured to expand in response to ~~hydrolysis~~ thereby expand the one or more expandable members; and

wherein a combined volume of the one or more expandable members is sufficient to expand to anchor one or more downhole tools within the wellbore in response to the hydrolysis, wherein the barrier coating layer is a multilayer barrier coating layer that comprises a polymer, a ceramic, an organic compound, metal, or any combination thereof, the multilayer barrier coating layer including a first coating located on the expandable metal comprising an anodizing coating or plasma electrolytic oxidation coating and a second coating located on the first coating; and

subjecting the pre-expansion wellbore anchor to ~~a~~ the wellbore fluid, the wellbore fluid reacting with the ~~wellbore fluid~~ barrier coating layer to cause the barrier coating layer to erode at a predetermined rate to expose the one or more expandable members to the wellbore fluid and

thereby expand the one or more expandable members ~~into~~ in response to the hydrolysis and thereby contact ~~with~~ the wellbore and ~~thereby~~ anchor the one or more downhole tools within the wellbore.