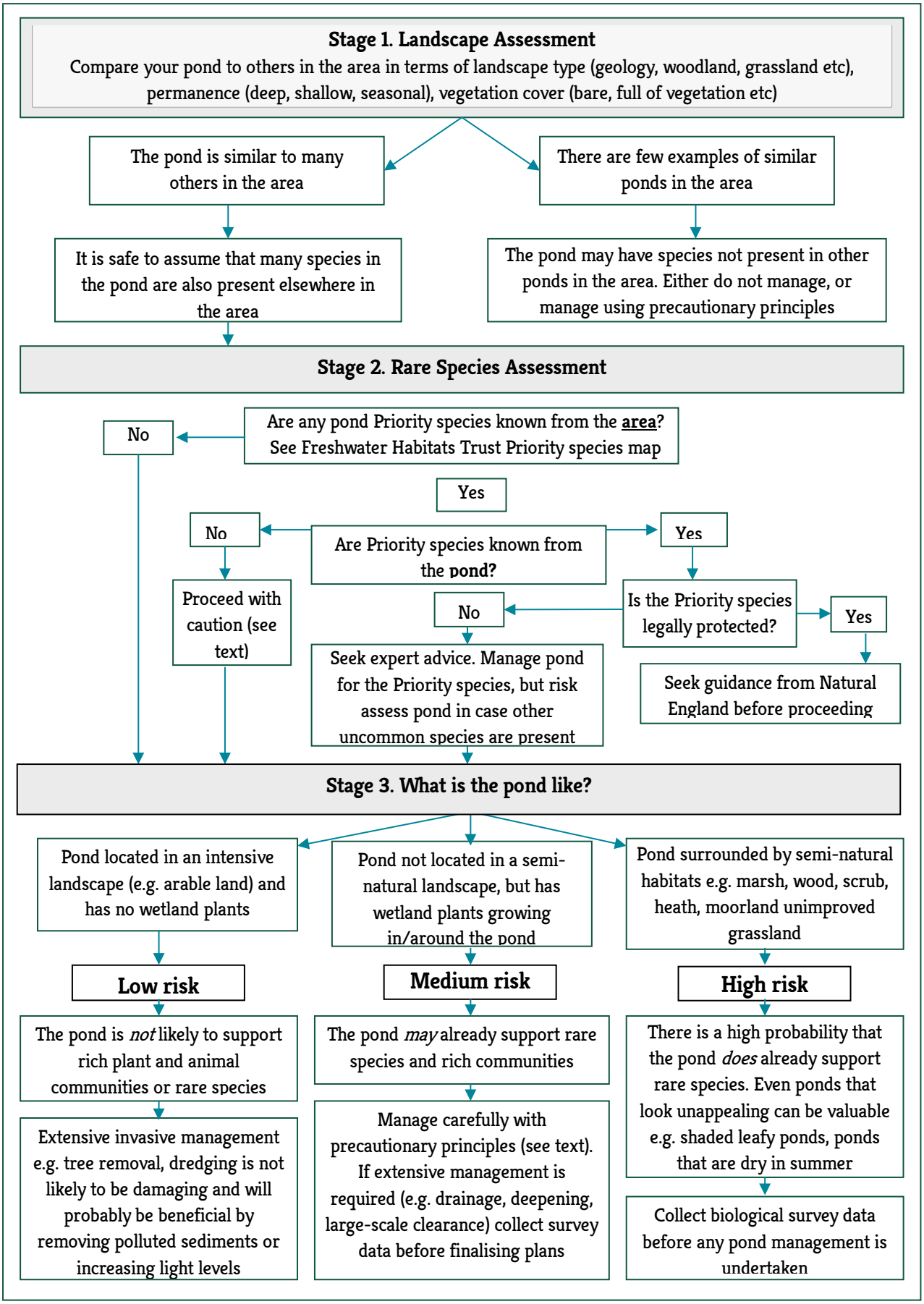Pond management risk assessment