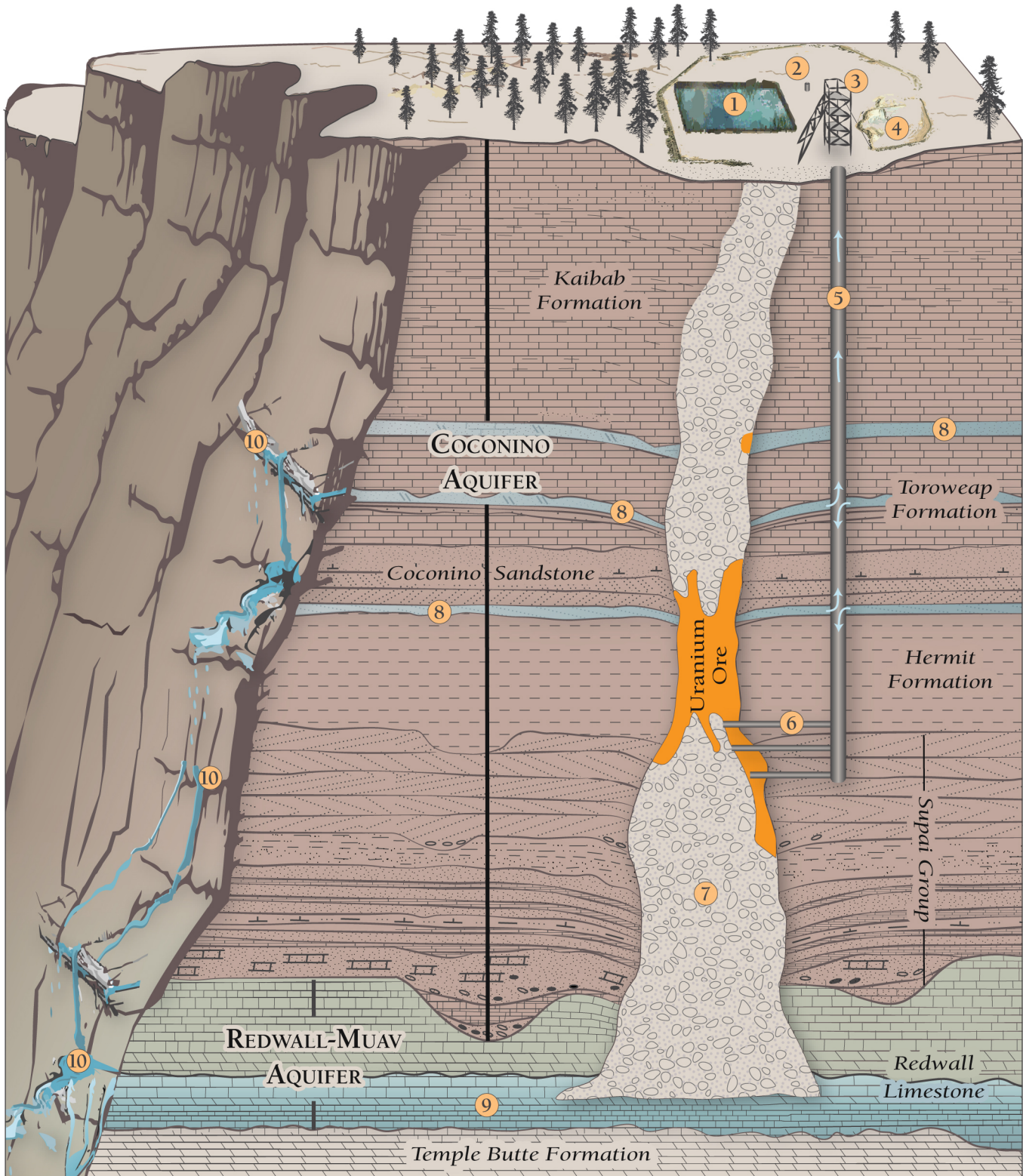


# Characterization of Uranium Deposits and Mining near Grand Canyon



SOURCE: Generalized and modified from the USGS Site Characterization of Breccia Pipe Uranium Deposits in Northern Arizona and Uranium Mine Conceptual Model

GRAPHIC BY STEPHANIE SMITH, GRAND CANYON TRUST

- |  |                               |                                    |
|--|-------------------------------|------------------------------------|
| ① Containment pond                         | ⑤ Mine shaft                  | ⑨ Regional aquifer                 |
| ② Ventilation shaft                        | ⑥ Horizontal shaft ("drifts") | ⑩ Seep or spring                   |
| ③ Mine headframe                           | ⑦ Breccia collapse feature    | Potential water flow in mine shaft |
| ④ Waste rock, ore pile, & top soil storage | ⑧ Perched aquifer             |                                    |