

# Naturally Sculpted and Polished Banded Iron Formation

Central Wyoming, USA • 1.8 - 2.4 billion years old

## Scientific Info

### BIF = Magnetite or Hematite & Jasper

Banded iron formations (also known as banded ironstone formations or BIFs) are distinctive units of sedimentary rock that are almost always of Precambrian age. A typical BIF consists of repeated, thin layers of iron oxides, either magnetite ( $\text{Fe}_3\text{O}_4$ ) or hematite ( $\text{Fe}_2\text{O}_3$ ), alternating with bands of iron-poor shale and chert. Most Wyoming BIF are aged as old as 2.5 billion and some are as "young" as 1.8 billion.

Due to the extreme age of these formations, almost all BIF formations have undergone some faulting, fracturing, folding, compaction, veining, intrusions and metamorphism. Although all BIF formations are probably metamorphosed to some degree, their general character is still sedimentary.

The conventional concept is that the banded iron layers were formed in sea water as the result of oxygen released by photosynthetic cyanobacteria (bluegreen algae), combining with dissolved iron in Earth's oceans to form insoluble iron oxides, which precipitated out, forming a thin layer on the substrate, which may have been anoxic mud (forming shale and chert). Each band is similar to a varve, to the extent that the banding is assumed to result from cyclic variations in available oxygen.

For reasons largely unknown, this was a periodic process re-

sulting in the alternating bands of iron oxide and shale. The periodic process might have been due to seasonal fluctuations or storm surges or other hypothesis. It is assumed that initially the Earth started out with vast amounts of iron dissolved in the world's acidic seas.

Eventually, as photosynthetic organisms generated oxygen, the available iron in the Earth's oceans was precipitated out as iron oxides. At the tipping point where the oceans became permanently oxygenated, small variations in oxygen production produced pulses of free oxygen in the surface waters, alternating with pulses of iron oxide deposition.

Since the origin of the iron layer is derived from a living organism, the photosynthetic bacteria, BIF actually qualifies as a trace fossil. Some of the oldest fossils known to man just predate banded iron formations. Bacteria are believed to be the earliest life forms on Earth and eventually the oxygen producing varieties formed the BIF and helped transform the Earth.

The conditions to form BIF, dissolved iron and episodic oxygenation, existed early in Earth's history and then once the Earth's oxygen levels stabilized the conditions for banded iron formation all but ceased to exist.

## Metaphysical Info

### Psychic & Energy Healer

#### Paul Simons [Sedonapsychicpaulsimons.com](http://Sedonapsychicpaulsimons.com)

I personally have used banded iron to do the following energetic table work with clients

- Ground the client
- Open closed chakras and meridians
- Clear negative thought forms
- If you place a hand held sized piece of magnetic banded iron in a large container of water (pre filter) it will magnetize and charge the water into structured water.
- Clears entire rooms and strategically placed in a house, releases negative energy from past incidents (such as violence) in a home and keeps the energy positive.
- Channeling of energy is greatly enhanced by common banded iron and increases the effect of the channeling 18 times over what the effect would be without the common banded iron.
- Channeling using the highly magnetic banded iron increases the effect of the channeling 144 times over what the channeling without the magnetic banded iron.
- Release fear and anxiety in sexual assault victims
- Release and clear walk in spirits
- I have used the small pocket sized magnetic banded iron to protect myself from negative people and energy vampires. It works by repealing the negative energy so that these types stay away and do not engage or try to get in my auric field when they come in contact with me.

### Fourth Degree Reiki Master-Teacher/Practitioner

#### Maria Celeste [www.center4creativehealing.com](http://www.center4creativehealing.com)

Amazing grounding earth element energies with slight wind element wisdom that are meant to protect Shamanic Warriors while being taken to other dimensions for a safe earth return. Enjoy the travel. This stone provide for deep earth core grounding while one travels to spiritual heights and new dimensions. Provides inner strength courage (Earth Element) and knowledge (Wind Element) so one can be a Soul Purpose Shamanic warrior with discernment and power to be the light of this lifetime healing all others.

Native american, fire, earth and wind and water elements are all present in this material ...a storm element bringing in balance and enlightenment to the earth and to us...this material grounds high frequencies so we can manifest on the earth for this is where we live...

Please share your experience with Banded Iron by contacting me at [bob@reallyoldrocks.com](mailto:bob@reallyoldrocks.com)