Pixel Value	Fill	Dilated Cloud	Cirrus	Cloud	Cloud Shadow	Snow	Clear	Water	Cloud Conf.	Cloud Shadow Conf.	Snow/ Ice Conf.	Cirrus Conf.	Pixel Description
1	Yes	No	N/A	No	No	No	No	No	None	None	None	None	Fill
5440	No	No	N/A	No	No	No	Yes	No	Low	Low	Low	None	Clear with lows set
5442	No	Yes	N/A	No	No	No	Yes	No	Low	Low	Low	None	Dilated cloud over land
5504	No	No	N/A	No	No	No	No	Yes	Low	Low	Low	None	Water with lows set
5506	No	Yes	N/A	No	No	No	No	Yes	Low	Low	Low	None	Dilated cloud over water
5696	No	No	N/A	No	No	No	Yes	No	Mid	Low	Low	None	Mid conf cloud
5760	No	No	N/A	No	No	No	No	Yes	Mid	Low	Low	None	Mid conf cloud over water
5896	No	No	N/A	Yes	No	No	No	No	High	Low	Low	None	High conf Cloud
7440	No	No	N/A	No	Yes	No	No	No	Low	High	Low	None	High conf cloud shadow
7568	No	No	N/A	No	Yes	No	No	Yes	Low	High	Low	None	Water with cloud shadow
7696	No	No	N/A	No	Yes	No	No	No	Mid	High	Low	None	Mid conf cloud with shadow
7824	No	No	N/A	No	Yes	No	No	Yes	Mid	High	Low	None	Mid conf cloud with shadow over water
7960	No	No	N/A	Yes	Yes	No	No	No	High	High	Low	None	High conf cloud with shadow
8088	No	No	N/A	Yes	Yes	No	No	Yes	High	High	Low	None	High conf cloud with shadow over water
13664	No	No	N/A	No	No	Yes	Yes	No	Low	Low	High	None	High conf snow/ice

Table 5-6. Landsat 4-7 Pixel Quality Assessment (QA_PIXEL) Value Interpretations*

*The QA band is validated against the confidence levels, not the clear/cloud bits; the confidence level bits are a truer measure of the cloud extent in the imagery. It is recommended to either use the clear/cloud bits OR the confidence levels, but not both.