

<b>Candidate MSL Landing Sites</b>			
<b>Name</b>	<b>Location</b>	<b>Elevation</b>	<b>Rationale</b>
Nili Fossae Trough	20.93°N, 74.35°E	-0.6 km	Phyllosilicates
Holden Crater Fan	26.32°S, 325.30°E	-2.3 km	Layered materials
Terby Crater	27.7435°S, 74.1137°E	-5 km	Layered material
Marwth Vallis	24.65°N, 340.1°E	~-3.1 km	Phyllosilicates
Eberswalde Crater	23.19°S, 326.75°E	-0.8 and -0.4 km	Delta
Gale Crater	4.50°S, 137.35°E	-4.5 km	Interior layered deposits
W. Candor	5.80°S, 284.17°E	-4 km	Sulfate deposits
N. Meridiani	2.37°N, 6.69°E	-1.5	Sedimentary layers
Juventae Chasma	4.45°S, 298.09°E	-2.8 km	Layered sulfates
Nilo Syrtis	29.16°N, 72.97°E	~-0.5	Phyllosilicates
Melas Chasma	9.81°S, 283.62°E	-1.9 km	Paleolake
E. Meridiani	0.01°N, 3.66°E	~-1.3 km	Sedimentary layers
Athabasca Vallis	9.93°N, 156.77°E	-2.4 km	Cerberus Rupes deposits
Iani Chaos	2.06°S, 342.41°E	Below -2 km	Hematite, sulfate
Nili Fossae Crater	18.44°N, 77.58°E	-2.6 km	Valley networks, Delta sediments
Eos Chasma	10.7°S, 322.05°E	~-4 km	Chert
Meridiani Crater Lake	5.72°N, 358.03°E	~-1.5 km	Crater lake sediments
NE Syrtis Major	~16.21°N, ~76.63°E	~1 km	Volcanics
Margaritifer basin	12.85°S, 338.0°E	-2.12 km	Fluvial deposits
E. Melas Chasma	11.72°S, 290.72°E	Below-2 km	Interior layered deposits
Hellas/Dao Vallis	39.5°S, 82,7°E	-6 km	Valley Terminus, Layered deposits
Xanthe/Hypanis Vallis	11.4°N, 314.65°E	-2.6 km	Layered deposits
Becquerel Crater	21.32°N, 352.52°E	-2.6 to -3.8 km	Layered sedimentary rocks
SW Arabia Terra	6.01°N, 355.60°E	-1 km	Sedimentary rocks, methane
Gullies/Wirtz Crater	48.48°S, 335.05°E	-2.4 km	Gullies
W. Arabia Crater	8.45°N, 359.09°E	-1.2 km	Sedimentary rocks
Argyre	56.8°S, 317.7°E	-1.5 km	Glacial features
NW Slope Valleys	~0, 145°E	~-2 km	Flood features
W. Meridiani	1.7°S, 352.39°E	~-1.0 to -1.5 km	Sediments, hematite
Elysium/Avernus Colles	3.05°S, 170.60°E	-2.5 km	High iron abundance
Meridiani Bench	7.5°N, 354°E	~-1 to -1.5 km	Layered sediments

SML Craters	49.04°S, 14.494°E	Above -0.5 km	Recent climate deposits
Isidis Basin Escarp	18.00°N, 79.60°E	-3.5 km	Volatile sink
Samara Vallis	23.55°S, 339.75°E	-1 km	Valley network channel
Eos Alluvial	13.6°S, 317.5°E	-3.5 km	Alluvial fan
Aeolis fan delta	5.05°S, 132.85°E	-2.2 km	Fan, delta