

GPS Ground Truthing Notes

Missions:

GeoCue LiDAR:

- San Lorenzo Full
- San Lorenzo High Density Caves Box Count
- San Lorenzo High Density Bushed Box Count

L2 LiDAR:

- Caleta Tiny Island
- Caleta Small Island
- Caleta Box Count 1
- Caleta Box Count 2

H30T Thermal:

- San Lorenzo High Density Caves Box Count
- San Lorenzo High Density Bushes Box Count
- San Lorenzo Road Total Count
- San Lorenzo Plains Total Count
- San Lorenzo Caves Total Count
- Caleta Tiny Island
- Caleta Small Island
- Caleta Box Count 1 (mainland)
- Caleta Box Count 2 (mainland)

Counted Areas:

Caleta:

Tiny Island: 321 Counted Penguins, 0.7 ha

Sensors flown: L2 (ortho), H30T



Small Island: 1557 Counted Penguins, 4 ha

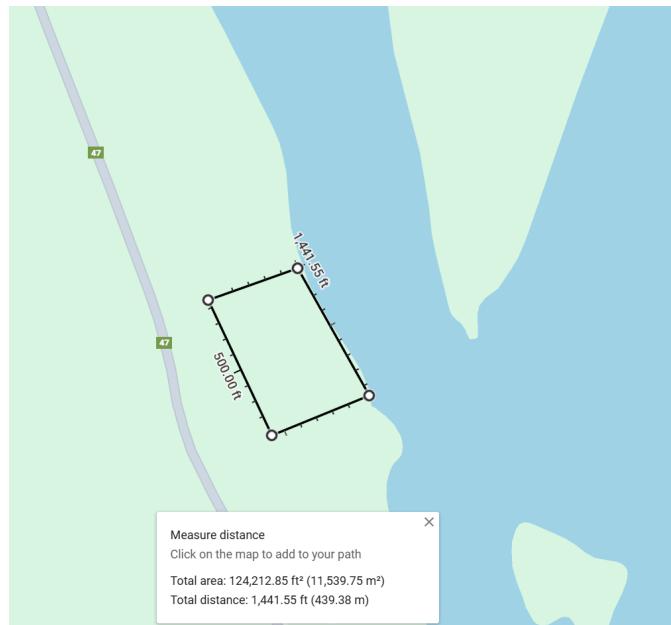
Sensors flown: L2 (Ortho), H30T



Box Count 1: **8 Counted Penguins** (one walked outside collection zone during flight)

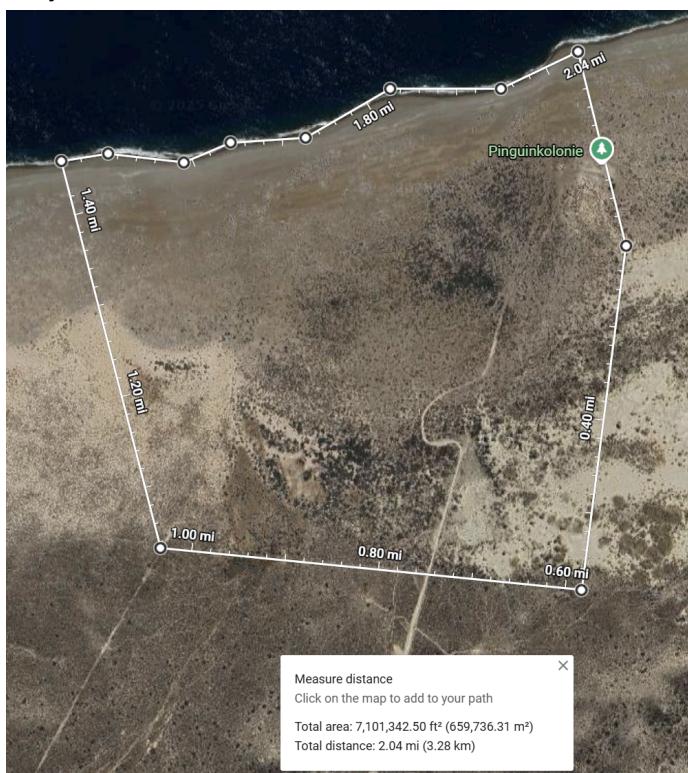


Box Count 2: **12 Counted Penguins** (only counted inside rope bounds)



San Lorenzo:

Full Area: Not fully counted, 66 ha



San Lorenzo Road Total Count **359 Counted Penguins** (see waypoints below)

San Lorenzo Plains Total Count **453 Counted Penguins** (see waypoints below)

San Lorenzo Caves Total Count **908 Counted Penguins** (see waypoints below)

Box Count High Density Caves: **32 Counted Penguins** (2 walked out between thermal and LiDAR)



Box Count High Density Bushes: **55 Counted Penguins**



San Lorenzo WayPoints:

High Density Caves Total Count Area: **908 Counted Penguins**

Start: 42.086263 S, 63.874072 W and 42.086285 S, 63.874350 W

End: 42.088878 S, 63.873310 W and 42.089107 S, 63.873427 W

Along Right edge (taken every few minutes):

42.086656 S, 63.873951 W

42.087376 S, 63.873872 W

42.087740 S, 63.873728 W

42.088702 S, 63.873419 W

The Plains Total Count Area: **453 Counted Penguins**

Start: 42.084371 S, 63.867582 W and 42.084520 S, 63.867496 W

End: 42.085076 S, 63.871035 W and 42.085348 S, 63.870886 W

Along Top Edge (taken every few minutes):

42.084360 S, 63.867691 W

42.084418 S, 63.868053 W

42.084467 S, 63.868250 W

42.084534 S, 63.868537 W

42.084587 S, 63.868683 W

42.084671 S, 63.868935 W

42.084725 S, 63.869125 W

42.084772 S, 63.869388 W

42.084836 S, 63.869808 W

42.084864 S, 63.869953 W

42.084915 S, 63.870255 W

42.084953 S, 63.870431 W

42.085021 S, 63.870748 W

Along Bottom Edge:

42.084371 S, 63.867582 W

42.084520 S, 63.867496 W

42.085073 S, 63.870863 W

42.084597 S, 63.867633 W

42.084635 S, 63.867793 W

42.084658 S, 63.867900 W

42.084704 S, 63.868023 W

42.084741 S, 63.868187 W

42.084776 S, 63.868289 W

42.084813 S, 63.868448 W

42.084837 S, 63.868602 W

42.084867 S, 63.868800 W

42.084894 S, 63.868955 W

42.084942 S, 63.869132 W

42.085004 S, 63.869279 W
42.085049 S, 63.869395 W
42.085090 S, 63.869588 W
42.085140 S, 63.869811 W
42.085151 S, 63.869924 W
42.085187 S, 63.860152 W

The Road Total Count Area: 359 Counted Penguins

Start:

End:

Along Edges:

Box Count Photos Marked Up:

