

Woolpert, Inc
APPENDIX C – PRICING INDEX
DIR-CPO-6047

RFO-596 Geographic Information Systems (GIS) & Digital Land Surveying Products and Services

Service Name	Service Description	List COST Per Unit	DISCOUNT OF MSRP/List Price	Unit of Measure
Services				
Acquisition	Flight Acquisition Mobilization	\$26.94	12%	Per Mile
Survey	Ground Control Survey Mobilization	\$10.39	12.00%	Per Mile
	Supplemental Ground Control/QC Check Points, 10 - 20 points	\$5,245.64	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 21 - 30 points	\$6,953.20	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 31 - 40 points	\$8,777.35	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 41 - 50 points	\$10,384.33	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 51 - 60 points	\$11,665.36	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 61 - 70 points	\$12,835.39	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 71 - 80 points	\$13,911.67	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, 81 - 90 points	\$14,967.43	7.00%	Bundle Pricing
	Supplemental Ground Control/QC Check Points, > 90 points	\$161.31	5.00%	Per Point
High Pointy Density Topo Lidar	Topographic LIDAR Data Collection, 25 PPSM, Complexity Level 2, CONUS	\$352.35	30.00%	Per SQ Mile
Topo Lidar	Topographic LIDAR Data Collection, 8 PPSM, Complexity Level 2, CONUS	\$273.63	30.00%	Per SQ Mile
	Topographic LIDAR Data Collection, 4 PPSM, Complexity Level 2, CONUS	\$195.47	30.00%	Per SQ Mile
	Topographic LIDAR Data Collection, 1 PPSM, Complexity Level 2, CONUS	\$166.12	30.00%	Per SQ Mile
	Topographic LIDAR Data Collection, 1 PPSM, Complexity Level 2, CONUS	\$166.12	30.00%	Per SQ Mile
Bathymetric Lidar	Bathymetric LIDAR Data Collection, 5 Meter Resolution, Complexity Level 2, CONUS-IHO Order 1b	\$1,375.65	15.00%	Per SQ Mile
	Bathymetric LIDAR Data Collection, 2 Meter Resolution, Complexity Level 2, CONUS-IHO Order 1a	\$2,751.24	15.00%	Per SQ Mile
Imagery	Four Band Imagery Data Collection, 7.5 cm Resolution	\$207.77	30.00%	Per SQ Mile
	Four Band Imagery Data Collection, 15 cm Resolution	\$103.88	30.00%	Per SQ Mile
	Four Band Imagery Data Collection, 30 cm Resolution	\$51.93	30.00%	Per SQ Mile
Lidar	Topographic LIDAR Data Finishing, 25 PPSM, Point Cloud/DEM/DSM	\$263.25	30.00%	Per SQ Mile
	Topographic LIDAR Data Finishing, 8 PPSM, Point Cloud/DEM/DSM	\$218.91	30.00%	Per SQ Mile
	Topographic LIDAR Data Finishing, 4 PPSM, Point Cloud/DEM/DSM	\$156.36	30.00%	Per SQ Mile
	Topographic LIDAR Data Finishing, 1 PPSM, Point Cloud/DEM/DSM	\$132.89	30.00%	Per SQ Mile
Bathymetric Lidar	Bathymetric LIDAR Data Finishing, 5 Meter Resolution, Point Cloud/DEM	\$820.20	15.00%	Per SQ Mile
	Bathymetric LIDAR Data Finishing, 2 Meter Resolution, Point Cloud/DEM	\$1,640.40	15.00%	Per SQ Mile
Imagery	Four Band Imagery Data Finishing, 7.5 cm Resolution, Orthophotos/Mosaic	\$145.43	30.00%	Per SQ Mile
	Four Band Imagery Data Finishing, 15 cm Resolution, Orthophotos/Mosaic	\$72.73	30.00%	Per SQ Mile
	Four Band Imagery Data Finishing, 30 cm Resolution, Orthophotos/Mosaic	\$36.36	30.00%	Per SQ Mile
Remote Sensing	Feature Extraction from LIDAR, 3D Buildings	\$141.65	25.00%	Per SQ Mile
	Historical Aerial Film Scanning 9" x 9" (Raw Product)	\$7.81	15.00%	Per Frame
	Historical Aerial Film Scanning 9" x 9" (Georeferenced Product)	\$24.61	15.00%	Per Frame
Ad Hoc Services				
	Aerial Digital Camera (Frame)	\$1,900.00	1.00%	Per Hour
	Aerial Digital Camera (Line Scanning)	\$700.00	1.00%	Per Hour
	Aerial Film Camera	\$500.00	1.00%	Per Hour

Sensors	Aerial Small Format POD Camera	\$250.00	1.00%	Per Hour
	Aerial LiDAR Sensor (Terrain Mapper)	\$2,600.00	1.00%	Per Hour
	Aerial LiDAR Sensor (Topographic)	\$1,300.00	1.00%	Per Hour
	Small UAS Digital Camera	\$25.00	1.00%	Per Hour
	UAS with Lidar Sensor	\$500.00	1.00%	Per Hour
	Small UAS Thermal Sensor	\$120.00	1.00%	Per Hour
	Mobile Mapping System	\$2,500.00	1.00%	Per Hour
Aircraft	Twin Turbine Airplane (pressurized) - wet rate (includes fuel)	\$2,000.00	1.00%	Per Hour
	Twin Turbine Airplane (non-pressurized) - wet rate (includes fuel)	\$900.00	1.00%	Per Hour
	Twin Piston Airplane - wet rate (includes fuel)	\$700.00	1.00%	Per Hour
	Single Piston Airplane - wet rate (includes fuel)	\$300.00	1.00%	Per Hour
	Small UAS	\$150.00	1.00%	Per Hour
Survey	Survey Truck	\$80.00	1.00%	Per Hour
	Terrestrial Laser Scanner	\$400.00	1.00%	Per Hour
	GPS Network Receiver	\$10.00	1.00%	Per Hour
	GPS Base Rover System	\$15.00	1.00%	Per Hour
	Total Station and Data Collection Device	\$10.00	1.00%	Per Hour
Labor Personnel - General Geospaital	Program Manager	\$263.31	5.00%	Per Hour
	Group Manager	\$234.95	5.00%	Per Hour
	Photogrammetrist	\$179.75	5.00%	Per Hour
	Project Manager	\$222.00	5.00%	Per Hour
	Sr. GIS Specialist	\$186.94	5.00%	Per Hour
	Sr. GIS DB Dev/Programmer	\$164.31	5.00%	Per Hour
	Surveyor Tech	\$144.97	5.00%	Per Hour
	GIS DB Dev/Programmer	\$146.63	5.00%	Per Hour
	GIS Pilot	\$133.41	5.00%	Per Hour
	GIS Specialist	\$126.19	5.00%	Per Hour
	LIDAR Specialist	\$126.19	5.00%	Per Hour
	Jr. GIS DB Dev/Programmer	\$123.57	5.00%	Per Hour
	Technical Writer	\$136.93	5.00%	Per Hour
	Photogrammetric Technician	\$87.04	5.00%	Per Hour
	Survey Crew Chief	\$95.40	5.00%	Per Hour
	GIS Technician	\$85.97	5.00%	Per Hour
Labor Personnel - Cityworks Implementation	Administrative Assistant	\$85.27	5.00%	Per Hour
	Support Analyst	\$125.00	5.00%	Per Hour
	Mid-Level Analyst	\$158.00	5.00%	Per Hour
	Lead Analyst	\$175.00	5.00%	Per Hour
	Technical SME	\$215.00	5.00%	Per Hour
	Lead Developer	\$220.00	5.00%	Per Hour
	Mid-Level Developer	\$170.00	5.00%	Per Hour
	Developer	\$150.00	5.00%	Per Hour
	Project Manager	\$195.00	5.00%	Per Hour
	Senior Project Manager	\$215.00	5.00%	Per Hour
	Director/DL	\$280.00	5.00%	Per Hour
	GIS Administrator	\$220.00	5.00%	Per Hour
Planet Satellite Imagery and Digital Analytics				
	Acquire high resolution and hyperspectral imagery on-demand from Planet's SkySat, Pelican, Tanager satellite constellations Tasking credits can be used to task for hi-resolution and / or hyperspectral satellites to acquire new imagery or to access existing archive imagery.	\$10.00		Credit
	Powered by deep learning and computer vision, Planet Analytic Feeds detect and classify objects, identify geographic features, and monitor change over time and around the globe. Basemap Streaming & Download Feed Outputs Streaming & Download One Feed of Choice (Road, Road Change, Building, or Building Change)	\$11.99	10.00%	SQKM
	Basemap Streaming & Download Feed Outputs Streaming & Download One Feed of Choice (Road, Road Change, Building, or Building Change)	\$9.99	10.00%	SQKM
	Include an additional Weekly Feed to the Standard Bundle for \$1/sqkm/yr over the same AOI.	\$1.00	10.00%	SQKM
	Include an additional Monthly Feed to the Standard Bundle for \$1/sqkm/yr over the same AOI.	\$1.00	10.00%	SQKM
	PlanetScope Monitoring Global All-time Access - 20,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 20,000 Tile Views per month PlanetScope All-Time Download Preferred (100 sqkm minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$27,202.00	10.00%	Annual Package
	PlanetScope Monitoring Global All-time Access - 20,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 20,000 Tile Views per month PlanetScope All-Time Download Premium (1 hectare minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$27,202.00	10.00%	Annual Package
	PlanetScope Monitoring Global All-time Access - 50,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 50,000 Tile Views per month PlanetScope All-Time Download Preferred (100 sqkm minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$54,405.00	10.00%	Annual Package

Satellite Imagery

PlanetScope Monitoring Global All-time Access - 50,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 50,000 Tile Views per month PlanetScope All-Time Download Premium (1 hectare minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$54,405.00	10.00%	Annual Package
PlanetScope Monitoring Global All-time Access - 150,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 150,000 Tile Views per month PlanetScope All-Time Download Preferred (100 sqkm minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$136,012.00	10.00%	Annual Package
PlanetScope Monitoring Global All-time Access - 150,000 Tile Views per month Monthly Global Visual Basemap Streaming, Quarterly - 150,000 Tile Views per month PlanetScope All-Time Download Premium (1 hectare minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$136,012.00	10.00%	Annual Package
Access newly acquired PlanetScope data and associated metadata of your AOI(s)	\$3.31	10.00%	SQKM
Access newly acquired PlanetScope data, archive data, and associated metadata of your AOI(s)	\$4.22	10.00%	SQKM
Access newly acquired PlanetScope data, archive data, and associated metadata of your AOI(s) PlanetScope All-Time Download Preferred (100 sqkm minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use	\$4.10	10.00%	SQKM
Access newly acquired PlanetScope data, archive data, and associated metadata of your AOI(s) PlanetScope All-Time Download Premium (1 hectare minimum order per scene) with clipping; charged for each download) for Enterprise; Single-Entity; Internal Use Rights	\$4.10	10.00%	SQKM
PlanetScope All-time Monitoring Download (in Acres Under Management) 12 month subscription. Single-Entity; Internal Use Rights	\$1.10	10.00%	Acre
PlanetScope All-time Monitoring Download (in Acres Under Management) 12 month subscription. Single-Entity; Internal Use Rights	\$0.90	10.00%	Acre
PlanetScope All-time Monitoring Download (in Acres Under Management) 12 month subscription. Single-Entity; Internal Use Rights	\$0.50	10.00%	Acre
Select PlanetScope Quarterly Visual Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$2.70	10.00%	SQKM
Select PlanetScope Quarterly Visual Basemap Download for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$5.43	10.00%	SQKM
Select PlanetScope Quarterly Surface Reflectance Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$3.75	10.00%	SQKM
Select PlanetScope Quarterly Surface Reflectance Basemap Download for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$7.06	10.00%	SQKM
Select PlanetScope Monthly Visual Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$4.85	10.00%	SQKM
Select PlanetScope Monthly Visual Basemap Download for Government with 12 month subscription; Single-Entity; Internal	\$8.15	10.00%	SQKM
Use Rights, Single Agency		10.00%	SQKM
Select PlanetScope Monthly Surface Reflectance Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$6.37	10.00%	SQKM
Select PlanetScope Monthly Surface Reflectance Basemap Download for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$11.48	10.00%	SQKM
Select PlanetScope Weekly Visual Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$8.73	10.00%	SQKM
Select PlanetScope Weekly Visual Basemap Download for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$15.72	10.00%	SQKM
Select PlanetScope Weekly Surface Reflectance Basemap Streaming for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$11.45	10.00%	SQKM
Select PlanetScope Weekly Surface Reflectance Basemap Download for Government with 12 month subscription; Single-Entity; Internal Use Rights, Single Agency	\$18.85	10.00%	SQKM
Planet Insights Platform - Enterprise Small (Annual) includes annual Access to Planet Insights Platform with 400,000 Processing Units per month (limited to 1,000/min) and 8 million requests per month (limited to 600/min)	\$5,560.00	10.00%	Annual Package
Planet Insights Platform - Enterprise Large (Annual) includes annual Access to Planet Insights Platform with 1 million Processing Units per month (limited to 2,000/min) and 10 million requests per month (limited to 1,200/min)	\$11,100.00	10.00%	Annual Package
Planetary Variables (soil water content) 100m resolution All-Time Download	\$1.40	10.00%	Hectare
Planetary Variables (crop biomass) 10m resolution All-Time Download	\$0.80	10.00%	Hectare
Planetary Variables (land surface temperature) 100m resolution All-Time Download	\$0.70	10.00%	Hectare
Planetary Variables (land surface temperature) 1km resolution All-Time Download	\$0.38	10.00%	Hectare
Planetary Variables (field boundaries), vector file generated from selected AOI with one month TOI	\$0.18	10.00%	Hectare
Planetary Variables (forest carbon Archive for diligence 30m) annual updates with access to Archive data beginning with the prior calendar; includes canopy height, canopy cover, aboveground live carbon.	\$0.10	10.00%	Hectare
Planetary Variables (forest carbon quarterly Monitoring 3m); includes canopy height, canopy cover, aboveground live carbon, and streaming visual basemaps	\$0.22	10.00%	Hectare
Planet Professional Services provides expert support to help customers integrate Planet's satellite imagery and data into their workflows. Offerings include: Onboarding, Advanced Analytics, Training, Custom Development, and Strategic Guidance.	\$280.00	10.00%	Hourly

SkyTec Satellite Based Change Detection & Remote Monitoring Subscription

Level 1 - Standard Subscription	Up to 25 square kilometer of total monitoring area, access to monthly imagery, 1 - baseline change detection analysis followed by quarterly change detection visualization, and access through ESRI's ArcGIS Online	\$6,240	10.00%	Annually
Level 2 - Standard Subscription	25 - 100 square kilometers of total monitoring area, access to monthly imagery, 1 - baseline change detection analysis followed by quarterly change detection visualization, and access through ESRI's ArcGIS Online	\$13,800	10.00%	Annually
Level 3 - Standard Subscription	100 - 200 square kilometers of total monitoring area, access to monthly imagery, 1 - baseline change detection analysis followed by quarterly change detection visualization, and access through ESRI's ArcGIS Online	\$22,560	10.00%	Annually
Level 4 - Standard Subscription	> 200 square kilometers of total monitoring area, access to monthly imagery, 1 - baseline change detection analysis followed by quarterly change detection visualization, and access through ESRI's ArcGIS Online . \$90/sq KM over 200 sq KM.	\$22,560	10.00%	Annually + additional KM
Level 1 - 4 - Professional Subscription - Forest Harvest Detector Quarterly Monitoring Addon	All features of standard plus AI analytic for forest harvest activity	\$2,400	10.00%	Annually
Level 1 - 4 - Professional Subscription - Forest Harvest Detector Monthly Monitoring Addon	All features of standard plus AI analytic for forest harvest activity	\$7,200	10.00%	Annually
Level 1 - 4 - Professional Subscription - Land Development Detector Quarterly Monitoring Addon	All features of standard plus AI analytic for land development activity	\$2,400	10.00%	Annually
Level 1 - 4 - Professional Subscription - Land Development Detector Monthly Monitoring Addon	All features of standard plus AI analytic for land development activity	\$7,200	10.00%	Annually
Level 1 - 4 - Professional Subscription - Custom AI Detector Quarterly Monitoring Addon	Discovery bundle for training a custom AI feature detector	\$12,000	10.00%	Annually
Level 1 - 4 - Professional Subscription - Custom Detector Quarterly Monitoring Addon	Operation of custom detector developed in discovery process	\$2,400	10.00%	Annually
Level 1 - 4 - Professional Subscription - Custom Detector Montly Monitoring Addon	Operation of custom detector developed in discovery process	\$7,200	10.00%	Annually
Foundational predicted wetlands model - with landcover class attributes	Development of predicted wetlands foundational model, attribution from updated landcover classes, and delivery through ArcGIS Online hosted Wetland Screening Tool. \$4/km2 with minimum purchase area of 10,000 km2	\$5	10.00%	SQ KM
Woolpert Digital Innovations Cloud Based Services				
Cloud applications	Development of any custom application that runs in the cloud and/or uses cloud-native technologies. Our specialty is Google/GCP but can also work in other cloud vendor ecosystems.	\$270.00	20.00%	Hour
Predictive analytics software for environmental change, urban planning, or disaster response	We have experience buidling these types of applications using remote sensing tools such as Google Earth Engine and Vertex AI. We also use open-source software.	\$270.00	20.00%	Hour
Geospatial Artificial Intelligence (GeoAI)	This is a core competency of our team, as we are comprised of software engineers, data scientists, and GIS/geomatics experts. Cloud native AI/ML is part of most of our projects.	\$270.00	20.00%	Hour
Spatial analysis	Our scientists have experience with spatial analysis and statistics in the context of ecology, national security, crime and other related areas. Our services include, but are not limited to, discovering patterns in space and time.	\$270.00	20.00%	Hour
Real-time GIS	Our team understands the protocols and open-source standards associated with streaming vector data, for example telemetry data. Our team also has experience with real-time raster data and loading that into storage for immediate analysis.	\$270.00	20.00%	Hour
Machine Learning	This is a broad category, however we have experience with classical ML methods together with newer techniques including, but not limited to, deep learning (DL), large language models (LLms), and retrieval-augmented generation (RAG).	\$270.00	20.00%	Hour
Internet of Things (IoT)	This is related to the real-time GIS capability, however it also extends beyond the spatial data to include other data and attributes being reported by the IoT device. In addition to storing the data, we can also analyze the data in real-time.	\$270.00	20.00%	Hour
Computer vision	Our natural use of computer vision (CV) is to extract objects from satellite and aerial imagery. However the team can also extract information from terrestrial cameras (such as security or traffic cams) or vehicle mounted cameras, such as thosed used by many State DOTs.	\$270.00	20.00%	Hour
Change detection	Many of projects have involved change detection, for example excess moisture and water leaks, analyzing agricultural crops over time, and detecting new construction. This is a core competency for our team.	\$270.00	20.00%	Hour
Cloud platforms & SaaS for GIS	We have built cloud-native platforms for internal use and for customers. We excel at ingesting large amounts of data efficiently, processing the data in a custom pipeline, and then serving out the results however needed by the customer.	\$270.00	20.00%	Hour
Image classification software	This is a core competency of our team; an example of past performance is the classification of vegetation in a scene and separating that from background and unrelated objects.	\$270.00	20.00%	Hour

Graphical user interfaces (GUIs)	With most of our work typically being internet-enabled, the GUIs we build are most often online. We use open-source and broadly compatible web frameworks to build these apps and usually also have a geospatial component within it.	\$270.00	20.00%	Hour
Web mapping	This is related to the GUI development, and we also specialize in the use of Google Maps and applying that to web mapping projects. We also often show the resulting raster layers from geospatial analysis.	\$270.00	20.00%	Hour
GIS database management	Databases such as Postgres/ PostGIS are often used by our team, and we design DB schemas, tune the DB for performance and advise customers how to best architect their entire system. We also use the database options from Google to store vector data for customers.	\$270.00	20.00%	Hour
GIS managed cloud services	For any database or other process/ service running in the cloud, our team advises on how to best manage security best-practices, ensure tasks run in a robust way, and can scale as needed.	\$270.00	20.00%	Hour
Artificial Intelligence and Machine Learning application development	Some of this has been described by the other services, however it should be noted that we have experience building sizable AI/ML applications where code complexity and proper architecture is of paramount importance. We work with the customer to ensure the app is directly tied to user needs.	\$270.00	20.00%	Hour
Geomatics	Several team members have undergraduate and postgraduate education in geomatics specifically, and this allows us to understand the details and implications of design decisions in this area of science.	\$270.00	20.00%	Hour
NOTE: Vendor's quote to DIR Customers shall include the Administrative Fee. The fee will be added to the Firm Fixed Price and/or MSRP after the DIR Discount % off MSRP is applied.				