

Position Title:	AI/ML Officer	Classification Level:	Level 4
Position Number:	3220089	Location:	Midland
Reports To:	Manager Earth Observation, Level 6	Positions Under Control:	0
Branch / Section:	Earth Observation	Job Families/	ICT - Systems Development
Business Unit:	Location Services	Leadership Context:	Personal Leadership

Business Area Overview

Location Services provides trusted location data and spatial services to support the management and development of Western Australia to benefit the community. Earth Observation creates and maintains the State's foundational location information, explores advanced earth observation and delivers remote sensing services to customers.

Role Summary

The AI/ML Officer provides advice on and undertakes activities to apply artificial intelligence and machine learning technologies to imagery products and services. This role undertakes work to deliver Location Services functions including:

- specialised and customised integration of imagery and location information
- analysis and integration of spatial data in appropriate imagery and geographic information systems
- topographic database (TGDB) maintenance
- specialised and customised mapping and
- data extraction and delivery.

Responsibilities

- Derives advanced spatial information products through application of statistical classification, change analysis, bio-physical models and geographic information systems using location and other data as inputs.
- Maintains skill and knowledge of developments in imagery sciences, geographic information systems, spatial data management and Landgate's service delivery programs to support product and process improvement.
- Reads and interprets scientific literature to develop new processes to implement automation of current processes and integration with other location information.
- Undertakes quality assurance of work activities maintaining best practice with the implementation of processes, checklists and procedures.
- Creates, processes and maintains spatial data (including metadata) in various systems and databases.
- Interprets, analyses and evaluates source spatial data.
- Investigates, researches, and analyses information and data in support of team activities.
- Creates, processes and maintains data (including meta data) in a range of systems and databases.
- Investigates and responds to queries and proactively develops solutions to straight forward matters.
- Liaises with a diverse range of internal and external stakeholders to facilitate the delivery of products / services.
- Interprets, analyses and evaluates information to develop solutions that meet customer needs.
- Investigates and resolves anomalies identified in information and databases.
- Creates and maintains appropriate records.
- Documents and contributes to the development and continuous improvement of processes and procedures.
- Undertakes and assists with projects as required.

- Works collaboratively and contributes to the mentoring and training of others.
- Identifies and reports risks to management.
- Performs other duties as directed.

Essential Role Requirements

Expected Behaviours

Landgate has adopted the Public Sector Leadership Expectations framework, and this role sits in the **Personal Leadership** context. Personal Leadership is about the work of individuals not yet in traditional leadership positions who make a direct and immediate difference to the agency.

- **Lead collectively** – You understand how your work fits in the public sector and recognise your role in delivering value for the future of Western Australians.
- **Think through complexity** – You think through complexity by following set procedures and applying your knowledge, skills and experience to identify problems as they arise.
- **Dynamically sense the environment** – You seek to understand expectations and problems by listening actively and asking clarifying questions.
- **Deliver on high leverage areas** – You take responsibility for managing your work to achieve results, keeping others informed of your progress.
- **Build capability** – You engage in processes and activities that grow the team's capability and effectiveness.
- **Embody the spirit of the public service** – You are excellence oriented and deliver results for your team.
- **Lead adaptively** – You are continually learning and adjusting your approach to be effective in the changing work environment.

Experience/Qualifications

- Demonstrated skills and experience with relevant software and technology, eg. Python, ArcGIS, QGIS.

Desirable Role Requirements

- A tertiary degree in an appropriate earth or imagery science discipline.

Appointment Conditions

- National Police Clearance

Reporting Relationships

Reports to:	
Manager Earth Observation, Level 6	Other positions reporting to this position:
	Lead AI/ML Consultant, Level 6
	Lead Imagery Solutions Consultant, Level 6
	Lead Imagery Systems Consultant, Level 6
	Lead Spatial Systems Developer, Level 6
	Imagery Analyst, Level 6
	Senior Spatial Systems Developer, Level 5
	Senior Spatial Systems Developer, Level 5 (Temp)
	Imagery Systems Consultant, Level 5
	Imagery Solutions Consultant, Level 5
	AI/ML Consultant, Level 5
	Spatial Systems Developer, Level 4
	Imagery Officer, Level 4 (x3)
	Imagery Systems Officer, Level 4
This position:	
AI/ML Officer, Level 4	
	Direct reports:
	Nil

Certification

These details are an accurate statement of the duties, responsibilities and other requirements of the position.

Position Title and Business Unit	Name	Date
P&C Advisor, People Culture and Environment	Noelene Udinga	4 June 2025
Director Earth Observation, Location Services	Annaliese Walster	4 June 2025

Effective Date: 30 June 2025