

Basis of Schedule

GOLDEN EAGLE WATER INFRASTRUCTURE

Editable schedule-derived draft for project review

This document records the schedule basis visible in the supplied programme. It separates schedule-derived facts from contractual, scope, methodology and governance inputs that the project team must complete before formal issue.

Document control

Document field	Value
Project	GOLDEN EAGLE WATER INFRASTRUCTURE
Schedule identifier	GEWIP-001
Source schedule	Golden Eagle Sample.xer
Data date	01-Sep-2026 08:00
Revision	Draft 01
Issue date	14 September 2026
Prepared by	3A Project Consultant
Status	Editable draft for project-team completion and review

Revision history

Revision	Date	Change	Author	Reviewer	Approver
Draft 01	14 September 2026	Schedule-derived draft issued for completion	3A	[PROJECT TEAM TO COMPLETE]	[PROJECT TEAM TO COMPLETE]

Contents

- 1 Purpose and document status
- 2 Project and contract basis
- 3 Scope and delivery strategy
- 4 Schedule framework
- 5 Milestones and key dates
- 6 Calendars and working time
- 7 Logic and sequencing
- 8 Durations resources and constraints
- 9 Critical path and float
- 10 Progress earned value and forecast
- 11 Assumptions risks and opportunities
- 12 Governance change control and reporting
- Appendix A Schedule evidence register
- Appendix B Completion checklist

Document status key

Schedule-derived values are populated from the supplied XER or Microsoft Project XML file. Project-team inputs are marked in orange and include an editable response line.

1 Purpose and document status

This Basis of Schedule explains how the programme is structured, calculated and intended to be reviewed and maintained. It gives the project team and reviewers a traceable record of the schedule evidence available at the stated data date.

The document is an editable draft. Schedule-derived content must be checked against the native programme, contract documents and approved delivery strategy before issue.

Contractual purpose and required use of the schedule: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Applicable contract requirements and schedule acceptance criteria: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

2 Project and contract basis

Schedule attribute	Derived value
Project name	GOLDEN EAGLE WATER INFRASTRUCTURE
Schedule identifier	GEWIP-001
Data date	01-Sep-2026 08:00
Planned start	01-Apr-2026
Forecast finish	09-Jun-2027
Schedule span	434.0 days
Activities	290
Work breakdown structure elements	70

Client contractor and principal parties: [PROJECT TEAM TO COMPLETE]

Response: _____

Contract number document references and precedence: [PROJECT TEAM TO COMPLETE]

Response: _____

3 Scope and delivery strategy

The schedule contains a structured work breakdown extending from project management and approvals through procurement, site establishment, construction, commissioning and handover. The project team must confirm how this structure maps to the contracted scope and delivery obligations.

Scope narrative: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Response: _____

Principal exclusions interfaces and third-party dependencies: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Access permits approvals and possession requirements: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Construction methodology and sequencing rationale: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Response: _____

Commissioning handover and completion strategy: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

4 Schedule framework

The work breakdown structure should connect scope, responsibility, location and reporting requirements. The table below reproduces the leading schedule-derived WBS records without adding scope information that is not present in the source programme.

WBS code	WBS description	Parent WBS ID
GEWIP-001	Golden Eagle Water Infrastructure Project	3667
02	Design and Approvals	3680
03	Procurement	3680
05	Construction	3680
01	Project Management and Controls	3680
04	Site Establishment	3680
06	Testing Commissioning and Handover	3680
02.01	Preliminary Design	3685
02.02	Detailed Design	3685
03.01	Equipment and Materials	3687
05.01	Civil and Site Works	3688
04.01	Mobilisation and Temporary Facilities	3690
06.01	Pre-Commissioning	3691
06.02	Commissioning and Performance Testing	3691
06.03	Handover and Closeout	3691
02.01.01	Preliminary Process Design	3692
02.01.02	Preliminary Civil Design	3692
02.01.03	Preliminary Mechanical Design	3692
02.01.04	Preliminary Electrical Design	3692
02.01.05	Environmental Approvals	3692
02.02.01	Process and Hydraulic Design	3693
02.02.02	Civil and Structural Design	3693
02.02.03	Mechanical and Piping Design	3693
02.02.04	Electrical Design	3693
02.02.05	Instrumentation and SCADA Design	3693
02.02.06	Vendor Design	3693
03.01.01	Treatment Process Equipment	3694
03.01.02	Pumps and Mechanical Equipment	3694

Activity coding

Activity code type	Codes	Activities assigned
Discipline	17	Not available in schedule
Project Area	1	Not available in schedule
Project Phase	8	Not available in schedule
Work Type	12	Not available in schedule

Required coding conventions ownership and maintenance rules: [PROJECT TEAM TO COMPLETE]

Response: _____

5 Milestones and key dates

Milestones identify contractual, approval, delivery and completion events in the programme. Dates below are reproduced from the supplied schedule and must be checked against the contract and current approvals.

Activity ID	Milestone	Status	Date
GEWIP-01-010	Notice to Proceed Milestone	Completed	01-Apr-2026
GEWIP-01-020	Baseline Schedule Approved Milestone	Completed	16-Apr-2026
GEWIP-01-030	Construction Start Milestone	Not Started	04-Sep-2026
GEWIP-01-040	Practical Completion Milestone	Not Started	09-Jun-2027
GEWIP-0401-060	Site Ready for Construction Milestone	Completed	17-Jun-2026
GEWIP-0601-050	Ready for Commissioning Milestone	Not Started	28-Mar-2027
GEWIP-0602-050	Operational Acceptance Milestone	Not Started	26-Apr-2027
GEWIP-0603-050	Final Handover Milestone	Not Started	08-Jun-2027

Milestone authority contractual source and acceptance requirements: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

External approvals long-lead dates and interface milestones: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

6 Calendars and working time

2 calendars were found; 1 use extended or unusual working patterns. 175 incomplete activities use those calendars.

Calendar	Type	Hours day	Hours week	Exceptions	Activities	Finding
GEWIP 7-Day Site Calendar (70 h/week)	Global Calendar	10.0	70.0	42	175	Extended or unusual working pattern
GEWIP 5-Day Office Calendar (40 h/week)	Global Calendar	8.0	40.0	0	21	No immediate issue identified

Calendar exceptions shutdowns weather and public-holiday basis: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Working-time approval and rules for overtime or shift work: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

7 Logic and sequencing

331 relationships equal 1.14 relationships per activity and 2.28 predecessor/successor connections per activity. 0 (0.0%) are not Finish-to-Start and 1 (0.3%) contain leads or lags. 5 discrete activities have three or more predecessors.

Logic measure	Schedule-derived result
Relationships	331
Finish to start	331
Start to start	0
Finish to finish	0
Start to finish	0
Open ends	4
Leads	0
Lagged relationships	1
Logic density	1.14

Approved sequencing rationale work fronts and access logic: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Response: _____

Rules for leads lags constraints and out-of-sequence progress: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

8 Durations resources and constraints

6 activities need date or duration review: 6 exceed 44 working days, 0 have inconsistent values, and 0 contain actual dates after the data date.

Control measure	Schedule-derived result
Long-duration activities	6
Resource assignments	315
Resource coverage	100.0%
Hard constraints	0
Soft constraints	0
Negative-float activities	0

Quantity and productivity assumptions: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Resource availability capacity and levelling rules: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Labour resource evidence

The resource table is derived only from labour assignments in the supplied schedule. Productivity Factor is earned labour hours divided by actual labour hours. A value above 1.00 indicates that more labour hours were earned than spent at the reporting cut-off; a value below 1.00 indicates the reverse.

Labour resource	Planned h	Earned h	Actual h	PF	Calendar basis
Civil Crew	5,353.0	144.0	149.8	0.96	GEWIP 7-Day Site Calendar (70 h/week)
Commissioning Team	1,010.0	0.0	0.0	Not available	Mixed activity calendars (2)
Design Engineering Team	3,600.0	3,576.5	3,719.6	0.96	GEWIP 5-Day Office Calendar (40 h/week)
Electrical Crew	1,178.0	0.0	0.0	Not available	GEWIP 7-Day Site Calendar (70 h/week)
Instrumentation Crew	4,209.0	0.0	0.0	Not available	GEWIP 7-Day Site Calendar (70 h/week)
Mechanical Crew	1,052.0	0.0	0.0	Not available	GEWIP 7-Day Site Calendar (70 h/week)
Pipeline Crew	7,022.0	0.0	0.0	Not available	GEWIP 7-Day Site Calendar (70 h/week)
Procurement Team	4,189.0	3,625.2	3,770.2	0.96	GEWIP 5-Day Office Calendar (40 h/week)
Quality Team	1,013.0	0.0	0.0	Not available	Mixed activity calendars (2)
Structural Crew	5,080.0	0.0	0.0	Not available	GEWIP 7-Day Site Calendar (70 h/week)

9 Critical path and float

63 incomplete activities (32.1%) are critical and 16 are near-critical with up to 10 working days of float. 1 critical activities have missing logic and 0 are constrained.

Critical-path measure	Schedule-derived result
Critical path method	Total Float <= 0 hours
Critical activities	63
Critical milestones	5
Near-critical activities	16
Negative-float activities	0
Longest-path remaining duration	210.6 days

Critical-path validation and agreed near-critical threshold: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Current longest-path activities

The following schedule-derived sequence is provided as evidence for review in the native programme. It is not a substitute for project-team validation of the accepted contractual critical path.

Activity ID	Activity	Status	Float days	Forecast finish
GEWIP-030104-040	Electrical Equipment - Approve Vendor Documentation	In Progress	49.0	14-Sep-2026
GEWIP-030106-040	Structural Steel and Buildings - Approve Vendor Documentation	In Progress	102.0	14-Sep-2026
GEWIP-020206-050	Vendor Design - Issue for Client Review	In Progress	0.0	03-Sep-2026
GEWIP-01-030	Construction Start Milestone	Not Started	0.0	04-Sep-2026
GEWIP-030104-050	Electrical Equipment - Complete Manufacture and Inspection	Not Started	49.0	16-Nov-2026
GEWIP-030106-050	Structural Steel and Buildings - Complete Manufacture and Inspection	Not Started	102.0	16-Nov-2026
GEWIP-030106-060	Structural Steel and Buildings - Deliver to Site	Not Started	102.0	23-Nov-2026
GEWIP-05020101-040	Intake Works - Prepare Subgrade	Not Started	161.2	03-Jan-2027
GEWIP-05020101-120	Intake Works - Complete Quality Records	Not Started	161.2	30-Jan-2027
GEWIP-05020101-130	Intake Works - Handover Civil Works	Not Started	161.2	31-Jan-2027
GEWIP-0601-010	Approve Pre-Commissioning Plan	Not Started	0.0	02-Mar-2027
GEWIP-0601-020	Complete System Walkdowns	Not Started	0.0	12-Mar-2027
GEWIP-0601-030	Close Construction Punch Items	Not Started	0.0	17-Mar-2027
GEWIP-0601-040	Complete Dry Functional Tests	Not Started	0.0	27-Mar-2027
GEWIP-0601-050	Ready for Commissioning Milestone	Not Started	0.0	28-Mar-2027
GEWIP-0602-010	Introduce Water to System	Not Started	0.0	31-Mar-2027
GEWIP-0602-020	Start Process Equipment	Not Started	0.0	05-Apr-2027
GEWIP-0602-030	Complete Integrated System Testing	Not Started	0.0	15-Apr-2027

10 Progress earned value and forecast

The schedule contains labour and cost assignment data that supports a current-budget progress view. Planned Value is the current budget spread across target dates unless an approved contractual baseline resource spread is supplied.

Performance measure	Schedule-derived result
Planned labour hours	38,140.0
Earned labour hours	7,345.7
Actual labour hours	7,639.6
Forecast labour hours	38,433.8
Labour Productivity Factor	0.96
Planned Value at data date	US\$1,136,247.86
Earned Value at data date	US\$1,095,371.26
Actual Cost at data date	US\$1,139,183.61
Schedule Performance Index	0.96
Cost Performance Index	0.96
Forecast cost	US\$12,499,064.75

Schedule Performance Index equals Earned Value divided by Planned Value. Cost Performance Index equals Earned Value divided by Actual Cost. These indices are shown only when the required values are present at the data date.

Approved baseline status and performance measurement basis: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Progress measurement rules data sources and cut-off procedure: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

11 Assumptions risks and opportunities

Schedule-derived findings identify areas that require review. They do not replace the project risk register, contractual risk allocation or management judgement.

Area	Schedule evidence	Review or action
High Float	85 of 196 assessed activities exceed 44 working days of float (43.4%). A high proportion can indicate weak logic, broad constraints or unrealistic contingency.	Review high-float paths by WBS and confirm the relationships reflect the delivery strategy.
Current Forecast Logic	4 incomplete discrete activities have missing logic (2.0%). Disconnected work can move without correctly affecting the project forecast finish.	Add valid predecessors or successors and retain only documented boundary exceptions.

Schedule assumptions and basis of estimate: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Non-schedule risks and opportunities: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Risk owners treatment actions and review frequency: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

12 Governance change control and reporting

The programme should be updated under an agreed status, review and change-control cycle. Each accepted change should remain traceable to its authority, effect on logic and dates, and effect on the current forecast.

Schedule ownership roles and approval authority: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Update cycle data date and progress cut-off: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Baseline change process and approval records: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Reporting calendar recipients and decision thresholds: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Schedule submission review comment and acceptance workflow: [PROJECT TEAM TO COMPLETE]

Response: _____

Response: _____

Appendix A Schedule evidence register

This register summarises the evidence supporting the draft. The supplied native schedule remains the detailed source record.

Evidence area	Result	Interpretation
Overall schedule health	90/100	Good
Schedule population	290 activities; 331 relationships	70 WBS elements; 8 milestones
DCMA-aligned checks	10 tested	1 failures; 0 reviews
Logic and open ends	4 incomplete discrete activities (2.0%) have missing logic. Level of Effort and WBS Summary activities are excluded from this current-forecast measure.	Healthy
Float	148 of 196 assessed activities (75.5%) have negative, zero or high float and warrant management review.	Healthy
Resources	191 of 191 eligible incomplete activities (100.0%) have a resource or role assignment. 0 activities have no assignment.	100.0% coverage
Progress	As at 2026-09-01, 7,639.6 actual labour hours and 7,345.7 earned labour hours are reported. Forecast labour hours are 38,433.8, a variance of 0.8% against the current budgeted total.	Labour PF 0.96
Look ahead	The 12-week outlook contains 56 activities, including 23 critical activities and 0 with potential delivery blockers. 0 incomplete activities have a forecast start or finish before the data date.	56 activities within 12 weeks

Appendix B Completion checklist

Completion item	Completion item
☐ Confirm contractual purpose and acceptance criteria	☐ Complete the scope exclusions interfaces and delivery methodology
☐ Confirm calendars shifts shutdowns and exceptional working time	☐ Validate milestone dates logic critical path and near-critical threshold
☐ Confirm quantities productivity resource availability and baseline status	☐ Complete assumptions risks opportunities and treatment ownership
☐ Confirm update change-control and reporting procedures	☐ Complete reviewer approver and document-control fields