

## Chapter 2 Glossary





## 2 GLOSSARY AND ABBREVIATIONS

Term	Definition
AC	asbestos cement
access road	<p>An access road is defined as being any specific route, to be used during construction and/or operational phases by the operator and/or contractors that is needed for preparatory work, pipeline laying, pipeline operations and/or maintenance and which:</p> <ul style="list-style-type: none"> <li>• Does not regularly carry heavy construction or maintenance vehicles, or</li> <li>• Requires widening and/or surface improvement works along some, or all, of its length before it can be used for pipeline-related access purposes.</li> </ul> <p>An access road is considered to begin at its junction with a more major road that does not meet any of the above characteristics</p>
ACT Research	Analysis and Consulting Team (ACT), a Georgian social research and consultancy company
additional land	land outside the approved project working areas and other areas occupied by the project for temporary construction support or permanent facilities
AETC	Azerbaijan Environmental and Technology Centre, an Azerbaijani environmental and social consultancy company
AGI	Aboveground installation: any pipeline installation that is above ground, i.e. the pigging station and block valves
agricultural area/land	area used for growing crops commercially (including areas temporarily out of use); excludes land used exclusively for grazing
AIOC	Azerbaijan International Operating Company
ALARP	as low as reasonably practicable
AMs	aerial markers
amsl	above mean sea level
anthrax	an infectious disease caused by the spore-forming bacterium <i>Bacillus anthracis</i> . Anthrax most commonly occurs in wild and domestic mammalian species (cattle, sheep, goats, camels, antelopes, and other herbivores), but it can also occur in humans when they are exposed to infected animals or to tissue from infected animals
API	American Petroleum Institute
arable land	land used to grow crops
ARs	access roads
Asphalt/asphalted road	Is a road covered with a mixture of bitumen and mineral aggregate that forms a dark, smooth, hardwearing surface on top of the road
ASME	American Society of Mechanical Engineers
ATS	action tracking system
auger boring	a drilling device, or drill bit, that usually includes a rotating helical screw blade to act as a screw conveyor to remove the drilled out material. The rotation of the blade causes the material to move out of the hole being drilled
avulsion	abandonment of an old river channel and the creation of a new one
AZN	Azerbaijan new manat, the currency of Azerbaijan
AZRDB	Red Data Book of Azerbaijan: an inventory of threatened fauna and flora in Azerbaijan
backfilling	the process of filling the trench with soil after the pipe has been laid. Soil is returned to the trench in reverse order, with the subsoil put back first, followed by the topsoil. This ensures the topsoil is returned to its original position
barg	unit of gauge pressure
BAT	best available technology
bcma	billion cubic metres per annum (year)
bentonite	a mineral clay used as a drilling mud to aid the drilling/boring process
bgl	below ground level

Term	Definition
biorestation	the restoration of flora and fauna and the establishment of vegetation cover (post seeding) to return the vegetation cover and species diversity to meet the Project's long-term targets
biotic/abiotic	living organisms/non-living organisms
blackwater/black water	wastewater containing human or animal waste, e.g. sewage
BOD	biological oxygen demand
BP	BP plc
BP Cirrus	a software programme for modelling the consequences of gas leaks
BP GDP	BP Group Defined Practice
bpd	barrels per day
BPEO	best practicable environmental option
brownfield	urban sites for potential building development that have had previous developments on them
brucellosis	an infectious disease caused by the bacteria of the genus <i>Brucella</i> . These bacteria are passed primarily among animals and cause disease in many different vertebrates. Humans become infected by coming in contact with animals or animal products that are contaminated with these bacteria
BSI	British Standards Institute
BTC	Baku–Tbilisi–Ceyhan pipeline
BTC ESIA	BTC Environment and Social Impact Assessment (ESIA) Response to Comments from draft Public Disclosure Phase Volume I and Volume II September 2002; Approved November 2002
BTEX	benzene, toluene, ethylbenzene and xylenes
bunding	bunding, also called a bund wall, is the area within a structure designed to prevent inundation or breaches, usually referring to harmful or hazardous liquid chemical containers, to capture leakage.
BV	block valve; a valve used to stop the flow of product through a pipeline and isolate a segment of the pipeline system or a component of the system
BVR	SCPX block valve site
calcareous	soils composed of, containing, or characteristic of calcium carbonate, calcium or limestone
camp	Construction camp; a purpose built area containing accommodation, welfare and recreational facilities for Project construction workers
carcinogenic	substances and preparations that, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence
CARs	corrective action requests
cathodic protection	a technique used to control the corrosion of a metal surface by making it the cathode of an electrochemical cell
CB&I	Chicago Bridge and Iron
CBO	community-based organisation: an organisation based only in one or more communities that aims to promote the interests and welfare of some or all of the members of these communities. Similar to a 'local association'
CCA	Common Country Assessment: a system to analyse the national development situation and identify key development issues
CCTV	Closed-Circuit Television
CDI	community development initiative
census	an official enumeration of the population, with details of age, sex, occupation, etc.
CH	cultural heritage
CH <sub>4</sub>	methane
chal meadow	marshland habitat with a high ecological value and a species rich, natural plant community
CITES	Convention on International Trade in Endangered Species of Wild Flora and Fauna
CLO	community liaison officer
cm	centimetres
cm <sup>3</sup>	cubic centimetres
CO	carbon monoxide

Term	Definition
CO <sub>2</sub>	carbon dioxide
CO <sub>2eq</sub>	carbon dioxide equivalent: for the purposes of this ESIA. This is the total emissions of carbon dioxide and methane expressed as tonnes of CO <sub>2</sub> , assuming methane has a global warming potential of 25 (from the Intergovernmental Panel for Climate Change Fourth Assessment Report, 2007).
COD	chemical oxygen demand
commitment	a statement of intent to implement a future measure with the aim of minimising, mitigating, managing or offsetting environmental and socio-economic impacts or promoting potential benefits
community	for the purposes of this ESIA a community consists of interacting individuals, groups and households who live together, permanently, temporarily or intermittently, in relatively close proximity in a settlement, consisting of a least five dwellings such as houses and other built structures, which is considered to be a specific administrative or socio-political entity, by the residents, and is recognised as such by the members of other communities.
constraint	site condition (social, geographic or environmental) that could result in potentially higher impact from project activities. The areas identified as having constraints should be avoided or mitigation measures applied.
consultation	two-way exchange of information, views, and opinions on matters of mutual interest during the ESIA process
contaminant	a potentially poisonous, polluting or otherwise harmful substance
contaminated land	land that has been contaminated by potentially polluting substances
contouring	landscaping the surface of the earth to adjust slopes
contractor	all construction contractors responsible for pipeline installation, special crossings, except where one of these parties is specifically identified
corridor	the corridor (or route corridor) is the swathe of land within which the pipeline will lie.
COSHH	control of substances hazardous to health
cradle to grave	the principle that waste management responsibility extends from the point of generation, or cradle, to its final destination, or grave
curtilage	land area within property boundaries
DAFOR	a system of classifying the abundance of a species of plant according to the following scale: Dominant, Abundant, Frequent, Occasional or Rare
dB	decibel
dB(A)	the unit used to measure the A-weighted decibel scale, which compensates for the specific sensitivities of the human ear (compared to a normal, unselective microphone)
DBH	diameter at breast height (of a tree)
decibel	the unit used to measure the intensity of sound. It can be specifically defined as the logarithmic ratio of a sound pressure relative to a reference level of 20 micro-Newtons per square metre
design factor	a multiplier that is used to ensure that the maximum design load or capacity of the pipeline is maintained below the maximum value that could be sustained by a pipeline system component or structure without failure
dew point	the temperature below which the water vapour in a volume of humid air at a constant barometric pressure will condense into liquid water
directional boring	see 'horizontal directional drilling'
DLE	dry low emission
DLN	dry low NO <sub>x</sub>
DO	dissolved oxygen
Domin scale	system devised by K. Domin for describing the cover of a species in a vegetation community
DPI	dye penetrant inspection: a method for locating surface defects in the pipeline. A dye is applied to the surface and then wiped away. The dye remains in cracks, rendering them more visible and identifiable.
drilling mud/drilling waste	fluids used and wastes generated during drilling and tunnelling

Term	Definition
driver	includes drivers of passenger vehicles, goods vehicles and tracked or wheeled plant and machinery
due diligence survey	a survey conducted to identify pre-existing liabilities, e.g. soil contamination, of a site
dunnage	material used to protect and securing cargo loads during transportation
duty of care	the principle that states a waste producer has a duty to ensure that a waste is properly managed even after that waste has been transferred to a third party
E&S GDP	BP Environmental and Social Group Defined Practice
E-3	an exponential formula, e.g. $7 \text{ E-3} = 0.007$
economically active population	all persons of either sex, and above a certain age, providing the supply of labour for productive activities during a specified time-reference period. It includes all persons who fulfil the requirements for inclusion among the employed (employees or self employed) or the unemployed
EGIG	European Gas Pipeline Incident Data Group
EHS	environment, health and safety
EIA	environmental impact assessment
endemic	In epidemiology, an infection is said to be endemic in a population when that infection is maintained in the population without the need for external inputs. In ecology, it means that a species is confined to a certain area.
engagement	term used to describe system and processes by which proponent/operator of a facility interacts on a regular basis with its stakeholders
environmental and social assessment	an internal assessment (following the ESIA methodology) to identify the potential environmental and social impacts and proposed mitigation measures of a proposal. The scope and scale of the assessment is appropriate to the nature of the proposal and the range and magnitude of potential impacts identified.
environmental strategy product	the scoping study, risk assessment, baseline study, EIA and emergency response plan as defined by the HGA
ephemer	plant with a rapid life cycle
ephemeroid	plants with underground storage organs
epidemic	a widespread occurrence of an infectious disease in a community at a particular time
EPPD	Export Pipelines Protection Department
ERA	ERA Marketing Center, an Azerbaijani social research and consultancy company
ERMP	Employment Relations Management Plan
erosion class	categorisation of the severity of potential soil erosion
ERP	Emergency Response Plan
ESBR	environmental and social baseline report
ESD	emergency shut down
ESIA	environmental and social impact assessment
ESMMP	Environmental And Social Management And Monitoring Plan
ESMP	Environmental And Social Management Plan
ESMS	environmental and social management system
excavation	any operation involving movement of earth, rock or other materials below existing grade or surface level. Excavation can include digging, boring, tunnelling, and backfilling
explosive	substances and preparations that may explode under the effect of flame or are more sensitive to shocks or friction than dinitrobenzene

Term	Definition
facility (quoted from the host government agreement)	"'Facility' or 'Facilities' means a main trunkline transmission system and interconnections for the transit of Natural Gas, and for the receipt, transportation and delivery of Natural Gas within, across, to and/or through the Territory and all above and below ground or seabed installations and ancillary equipment, together with any associated land as provided for in the applicable Project Agreement, all receipt, delivery, treating, pressure reduction, compressing, measuring, sampling, testing and metering facilities, all SCADA, communications, telemetry, fiber optic and other cabling and similar equipment to support state-of-the art system communications requirements used only for the operation, monitoring and maintenance of the SCP System (and/or in cooperation with the project described in the BTC Project Agreements), all pig launching and receiving facilities, all Natural Gas which is used as line pack, all pipelines, conduit and other related equipment, including power lines, used to deliver any form of liquid or gaseous fuel and/or power necessary to operate pump and/or compressor stations or for other system needs, cathodic protection devices and equipment, all monitoring posts, markers and sacrificial anodes, all terminaling, storage and related installations, all associated physical assets and appurtenances (including roads and other means of access and operational support) required from time to time for the proper functioning of any and all thereof, constructed, installed, maintained, repaired, replaced, expanded, extended, owned, controlled and/or operated by or on behalf of the SCP Participants in respect of the SCP Project, as they may be modified, expanded (including by way of additional pipeline loopings) or extended (including by way of laterals) in accordance with the provisions of a Project Agreement."
fauna	all animal life of any particular region or time
FBE	fusion bonded epoxy: a thermoset polymer epoxy based powder coating that is used to protect pipelines
FBR	full bore rupture: a total mechanical failure of the pipeline leading to rupture
FCI ROW	facilities construction and installation right of way
FEED	front-end engineering design
FFD	full field development
FFREQ	gas industry failure frequency prediction methodology used to assess the risk of failure of a gas pipeline due to damage by others
flora	all plant life of any particular region or time
flume	to channel a flow of water into a pipe
FOC	fibre optic cable: a cable containing optical fibres used to transmit digital information
footprint	the total physical area of land required by the project or a component of the project, such as a pigging station site
fugitive dust	solid airborne particulate matter emitted from any source other than a stack or chimney
full bore rupture	a total structural failure of the pipeline leading to rupture. A rupture is the propagation or growth of a defect to such an extent that the pipe becomes completely unserviceable.
GAB	guided augur bore: see 'augur boring' above
gabions	wire cages filled with stones; used to support banks
GDP	gross domestic product: a measure of the market value of all final goods and services produced in a country in a given period. GDP per capita is often considered an indicator of a country's standard of living
GHG	greenhouse gas/gases
Gini coefficient	a measure of income inequality in a country
GIS	geographical information system: an information system that integrates, stores, edits, analyses, shares and displays geographic information for informing decision making
GLAC	Guide to Land Acquisition and Compensation
greenfield	a previously undeveloped site for commercial development
grey water	wastewater from sinks, baths, showers and domestic appliances
GRP	Group-recommended practices (BP guidance documents)

Term	Definition
H&S	health and safety
ha	hectare: a metric unit of area defined as 10,000 square metres (100m by 100m)
habitat	the area or environment where an organism or ecological community normally lives or occurs
habitat fragmentation	the breaking up of an area of habitat into increasingly smaller blocks as a result of direct loss and/or disturbance
harmful	substances and preparations that, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks
HBS	household budget survey: a survey that focuses on households' expenditure on goods and services, giving a picture of living conditions
HDD	horizontal directional drilling: a steerable trenchless method of installing underground pipes in a shallow arc along a prescribed bore path by using a surface launched drilling rig, with minimal impact on the surrounding area
HDPE	high-density polyethylene
hepatitis B	a contagious liver disease that results from infection with the hepatitis B virus. Hepatitis B is usually spread when blood, semen or another body fluid from a person infected with the hepatitis B virus enters the body of someone who is not infected
HGA	Host Government Agreement
HGV	heavy goods vehicle
HH	household
HIA	health impact assessment
highly flammable	liquid substances and preparations having a flash point below 21°C (including extremely flammable liquids); substances and preparations that may become hot and finally catch fire in contact with air at ambient temperatures without any application of energy; solid substances and preparations that may readily catch fire after brief contact with a source of ignition and continue to burn or to be consumed after removal of the source of ignition; gaseous substances and preparations that are flammable in air at normal pressure; and substances and preparations that, in contact with water or damp air, evolve highly flammable gases in dangerous quantities
HIV	human immunodeficiency virus
HSE	health, safety and environment
HSSE	health, safety, security and environment
hydrocarbon	organic compounds consisting entirely of hydrogen and carbon, including substances such as crude oil, natural gas etc.
hydrotest	process during which the pipeline is filled and pressurised with a water-based solution to test the integrity of the system
ICSS	integrated control and safety system
IDP	internally displaced person. a person who has been displaced by conflict or natural disaster, but who has not left his/her country of residence
IFC	International Finance Corporation, part of the World Bank Group that lends to the private sector
IFI	international financial institution
IGA	inter-governmental agreement
ILO	International Labour Organization
impact/effect	any aspect of a project that may cause an effect; for example, land clearing during construction is an impact, while a possible effect is loss and fragmentation of wildlife habitat
IMT	incident management team
indicator species	species used to provide a measurable sign or symptom of change for the general population
infectious	substances containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms
in-migration and out-migration	the movement of people into or out of a community or region
IoAe	Institute of Archaeology and Ethnography
IOM	International Organisation for Migration



Term	Definition
IPA	Intermediate Pigging Station, Azerbaijan
IPA1	WREP intermediate Pigging Station
IPLOCA	International Pipeline and Offshore Contractors Association
irritant	non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation
ISO	International Standards Organization
ITT	Invitation To Tender
IUCN	International Union for Conservation of Nature
K	the unit of measurement used to define the size of earthquakes in the 'K-class' system; the system used within Azerbaijan
karizes	a water management system that supplies water to settlements or for irrigation
km	kilometres: a metric unit of measurement equal to 1000 metres (approximately 0.62 miles)
km <sup>2</sup>	the metric symbol for square kilometres
KPIs	key performance indicators
KPs	kilometre points: used to measure a distance on the pipeline to help find a specific location
kV	kilovolt
LACF	Land Acquisition and Compensation Framework
L <sub>Aeq</sub>	A-weighted continuous equivalent sound pressure level, an average value used to represent fluctuating noise sources, as heard by the human ear
LDS	leak detection system
leachate	liquid product of leaching process which normally drains from landfills
LED	light emitting diode
line pipe	sections of pipe that can be welded together to form a pipeline
LOMS	local operating management system
lower and lay	the process of placing the pipe into the trench
LSMS	Living Standard Measurement Study: a household study of living standards undertaken to collect diagnostic socio-economic data and statistics
m	metric symbol for metre, an SI unit of length
m <sup>2</sup>	metric symbol for square metres, an SI unit of area
m <sup>3</sup>	metric symbol for cubic metres, an SI unit of volume
magnitude (of an impact)	a measure of how adverse or beneficial an effect may be
MAOP	maximum allowable operating pressure
MD	Ministry of Defence
MDL	method detection limit
MENR	Ministry of Ecology and Natural Resources
MES	Ministry of Emergency Situations
mesophile	an organism that grows best in a moderate temperature range, typically between 15°C and 40°C
MFE	Ministry of Fuel and Energy
mg <sup>-3</sup>	milligrams per cubic metre
MH	Ministry of Health
microtunnelling	a technique for constructing small tunnels. This process uses a remotely controlled microtunnel boring machine combined with the pipe jacking technique to directly install pipelines underground in a single pass
mitigation	actions that the Project decides to take to avoid, eliminate, reduce or compensate for impacts which have been identified in screening and further analysed in the impact assessment. Mitigation measures may cover environmental, social, health, or other impacts
MLSPP	Ministry of Labour and Social Protection of the Population
mm	millimetres
MMS	Moment Magnitude Scale; a measure of the size of an earthquake in terms of energy released
MoCT	Ministry of Culture and Tourism
mothball	the process of indefinitely postponing a project or placing it into standby

Term	Definition
MPI	magnetic particle inspection: a non-destructive testing process for detecting surface and slightly subsurface discontinuities in ferromagnetic materials such as iron
MSDS	materials safety data sheet
$M_w$	moment of magnitude scale
MW	megawatt, a SI unit of power equivalent to one million watts
MWth	megawatt thermal input
naturalness	a subjective estimate of the amount of human influence on a habitat. Generally speaking the greater the amount of human disturbance, the less natural a habitat is and the lower its ecological value.
NCD	non-communicable disease
NCDC	National Centre for Disease Control and Public Health
NCR	non-conformance reports
NDT	non-destructive testing: a variety of tests used to check the integrity of the pipe in a way that does not involve damage of the pipe. These tests include ultrasonic testing, magnetic particle inspection and dye penetrant inspection
NGO	non-governmental organisation
$NH_4$	ammonium
$NO_2$	nitrogen dioxide
$NO_3$	nitrate
$NO_x$	nitrogen oxides
NPK	nitrogen, phosphorous and potassium
NTU	nephelometric turbidity units
OMS	operating management system
open-cut	a river crossing technique used in pipeline construction where a trench is cut into a river bed
OSRP	Oil Spill Response Plan
PAC	project affected community: community based on an inhabited settlement (i.e. for ESIA purposes a permanently, temporarily or intermittently inhabited settlement that can be identified from maps, satellite images or aerial photographs consisting of at least five dwellings). To be identified as a PAC, communities must lie within clear boundaries (e.g. within a specified distance from a SCPX Project site) and meet defined criteria.
padding	a uniform ground soil and crushed rocks at the bottom of the trench, designed to minimise the danger of damaging the coating of the pipe while it is being laid in the trench
PAH	polycyclic aromatic hydrocarbons
pathway	a link, or series of linkages, which may connect a contaminant to a receptor
paved road	a road that is covered with a hard surface such as concrete
PCDP	Public Consultation and Disclosure Plan
PE	potential evapotranspiration
PHAST	Process Hazard Analysis Software Tool: a software programme for modelling the consequences of gas leaks
pig	pipeline inspection gauge (an internal pipeline cleaning device)
pig launcher	equipment used at a pigging station to insert a pig into the pipeline
pigging station	a pipeline facility used for inserting a pig into a pressurised pipeline
PIMS	pipeline integrity management system
pipe storage area or pipe yard	the area used to store pipes prior to being transported to the spread
pipe stringing	placing joints of line pipe end to end along a pipeline right of way in preparation for lowering/laying
pipeline looping	a pipeline that is paralleled (looped) by a second pipeline, both of which serve the same source and destination
$PM_{10}$	particulate matter having aerodynamic diameter of 10 microns or less
PRCI	Pipeline Research Council International
PRMS	pressure reduction and metering station
Project affected people	individuals affected by Project activities

Term	Definition
project investor	“The relevant Person that is a party to a Host Government Agreement (other than the Government of the respective States in the capacity of a host government counterparty to any such agreement), the operating company in respect of the SCPX Project appointed by such party pursuant to the Host Government Agreement, and any successor or permitted assignee of any of the foregoing. A ‘Project Investor’ shall include (i) in respect of any Person, its legal constituent parts, such as a branch, office and permanent establishment, or an affiliate acting on behalf of such Person or its constituent parts, and (ii) a nominee, agent or representative acting on behalf of such Person or its constituent parts.”
protected area	a protected area designated under the Law of the Azerbaijan Republic on Protection of the Environment
protected species	a species designated by the IUCN vulnerable, endangered or critically endangered, species listed by CITES and species included into the Red Data Book of the Azerbaijan Republic or into the list of specially protected animal species
PSA	Baku–Tbilisi–Ceyhan Pump Station, Azerbaijan
purpose-built batching plant	batching plant facilities that are contractor or subcontractor established for SCPX
QRA	quantitative risk assessment
rabies	a preventable viral disease of mammals most often transmitted through the bite of a rabid animal. The rabies virus infects the central nervous system, ultimately causing disease in the brain and death.
raking	passing a spiked or toothed implement through soil to break up lumps of soil that have stuck together
RAP	Resettlement Action Plan
receptor	a location (e.g. a habitat, a community, a watercourse) that may be adversely affected by a specific impact of the project
redox	oxidation and reduction considered together as a complementary process
refugee	person who has been displaced by conflict or natural disaster and who has crossed an internationally recognised state border and left his/her country of residence
reinstatement	the process of restoring the area to its prior state after pipeline laying (includes installation of erosion control measures, replacement of topsoil, topography, fences, etc. and preliminary seeding, to all disturbed areas associated with the construction of the pipeline or pipeline facilities after their installation)  <i>Note: the reinstatement of vegetative cover and species diversity beyond the contract warranty period is not included in this definition (see biorestoration).</i>
residual impact	an effect that remains after mitigation has been applied
rip rap	rock, or other material, used to protect riverbanks from water erosion
ripping	the process of alleviating compaction of soil by passing mechanically operated spikes through it
ROW	right of way; a strip of land on and around a pipeline, on which an operator has the right to construct, operate and/or maintain a pipeline.
RSK	RSK Group plc; Environmental Consultancy
RTA	road traffic accident
run-off	the downhill flow of water (usually from rainfall) over the surface of land
SCP	South Caucasus Pipeline
SCPX	South Caucasus Pipeline Expansion
SCPX Participants	“Any one or more, or all, of the Parties to this Agreement (including by novation and/or accession as an SCPX Participant pursuant to any Project Agreement), other than the State Authorities, and any successors and permitted assignees of any of the foregoing.”
SD1 and SD2	Shah Deniz Stage 1 and Shah Deniz Stage 2
SEE	State Ecological Expertise
seeding	initial seeding required to obtain Erosion Class 3, restore vegetative cover and return areas to a condition which is visually similar to the surrounding area during the contract warranty period

Term	Definition
sensitive area	a project-defined term that refers to areas along the right of way that have been raised to a higher level of environmental significance including due to the presence of sensitive vegetation and/or fauna (including Azerbaijan Red List; IUCN Vulnerable; Caucasian Endemic Species and CITES species). This is a term that applies specifically to the SCPX Project and does not correspond to any national or international designation.
sensitivity	the relative susceptibility to adverse impacts
SI	International System of Units: the system of metric units of measurement
sidecasting	spoil piled or disposed to the side of, and outside, the designated right of way or working width
significance (of an impact)	a ranking of how significant an impact may be, based on its potential magnitude and likelihood and the importance and/or sensitivity of the receptor impacted
SOCAR	State Oil Company of Azerbaijan Republic
soil erosion class	categorisation of the severity of potential soil erosion
SoW	scope of work
SO <sub>x</sub>	sulphur oxides
spoil	material removed from an excavation
spread	all the personnel and equipment necessary to carry out all stages of construction
SRA	social risk assessment
stakeholder	person, organisation or other legal entity who has a legitimate interest in a proposed project and who has the ability to influence its location, design and the approval process
STD/STI	sexually transmitted disease/infection
steady noise	noise that gives fluctuations over a range not more than 5 dB on a sound level meter set to frequency weighting "A" and time weighting "S"
STP	sewage treatment plant
subsoil	the layer or layers of soil below the topsoil that are not fertile and normally, but not necessarily, of a different texture and/or colour to the topsoil.
SUDS	sustainable urban drainage system; a sequence of management practices and control structures designed to drain surface water in a sustainable fashion
SuRFNCD	National Survey on Risk Factors for Chronic Non-communicable Diseases in Azerbaijan, conducted by Ministry of Health
TBM	tunnel-boring machine
TDS	total dissolved solids: a measure of the inorganic salts (and organic compounds) dissolved in water
THC	total hydrocarbons
third party	private individual, enterprise or state organisation, i.e. any person or organisation that is not the company or contractor
third party facility	a facility owned and operated by a third party entity
third party land	land outside the ROW and other areas occupied by the project for temporary construction support or permanent facilities
tinging	see 'raking'
topsoil	the top layer of soil on the surface that is suitable for sustaining agriculture or natural vegetation growth
ToR	terms of reference
toxic	substances and preparations (including very toxic substances and preparations) that, if they are inhaled or ingested, or if they penetrate the skin, may involve serious, acute or chronic health risks or even death.
toxicant	a chemical capable of producing an adverse response (effect) in a biological system at concentrations that might be encountered in the environment, seriously injuring structure or function or producing death. Examples include biocides, pesticides and biotoxins
toxicity	the inherent potential or capacity of a material to cause adverse effects in a living organism
TPH	total petroleum hydrocarbon: a term used for the measurement of any hydrocarbons in a given sample (e.g. soil or water)

Term	Definition
transboundary	something that crosses boundaries
transboundary impact	any impact, not exclusively of a global nature, within an area under the jurisdiction of a party caused by a proposed activity the physical origin of which is situated wholly or in part within the area under the jurisdiction of another party
treatment (for water)	improving the quality of water by physical, chemical and/or biological means
trench	a long narrow ditch dug into the ground and embanked with its own soil and used for concealment and protection of line pipe. Trenches are usually dug by a backhoe or by a specialised digging machine
TSS	total suspended solids: a measure of solid particles held in suspension in water, used as a water quality metric
ultrasonic testing	a non-destructive testing method that uses ultrasonic waves to detect internal flaws within a material
UNDP	United Nations Development Programme
UNFCCC	UN Framework Convention on Climate Change
unpaved road	An unpaved road is a road that can be graded or ungraded made of local material, so they have the soil or geology characteristics of the area in which they are built.
USGS	United States Geological Survey – National Earthquake Information Centre
UXO	unexploded ordnance: bombs, bullets, shells, grenades, land mines, etc., that did not explode when they were employed and still pose a risk of detonation, potentially many decades after they were used or discarded
vehicle	includes passenger vehicles, goods vehicles and tracked or wheeled plant and machinery
vulnerable	exposed to the possibility of being attacked or harmed, either physically or emotionally
VPs	Voluntary Principles on Security and Human Rights: created in 2000 by UK and US governments, Amnesty International and Human Rights Watch among other NGOs, and several extractive industry companies
wall thickness	the thickness of the pipe wall material. It is the dimensional measurement between a point on the inside surface of the pipe and the closest point on the outside surface of the pipe.
waste	materials produced during operational activities that are of no use or value to the process that generated them
waste generator(s)	all personnel, plants and processes comprising the SCPX Project (including company, contractor and subcontractors)
waste minimisation	a management process through which an increased efficiency in the use of ingredients and consumable materials is achieved, resulting in a reduction in the amounts of waste generated. This also includes the efficient storage and handling of materials to prevent loss through spillage and leakage.
WBG	World Bank Group
wetland	land saturated with water (e.g. marshes), which may be seasonal
WFD	Water Framework Directive
WHO	World Health Organization
working width	the area within which the pipeline installation takes place, including topsoil and subsoil storage
WRB	World Reference Base (for soils)
WREP	Western Route Export Pipeline
WREP-SR	Western Route Export Pipeline Sectional Replacement Project
WSA	waste storage area: an area designed and developed to accumulate, store, segregate, treat and transfer waste

## 2.1 Scientific and Common Species Names

**Table 2-1: Scientific and Common Names of Flora**

Latin Name for Flora	Common English Name (where appropriate)	Azeri Local Name
<i>Aegilops cylindrica</i>	jointed goatgrass	Buğdayıot
<i>Aegilops kotschy</i>		Buğdayıot
<i>Aeluropus littoralis</i>		Qaçancayır
<i>Agrostis tenuis</i>	common bent grass	Tarlaotu
<i>Alhagi pseudoalhagi</i>	camel prickle	Dəvətikanı
<i>Alopecurus myosuroides</i>	slender meadow foxtail	Tülküguyuğu
<i>Anisantha rubens</i>		Qızaran anisan
<i>Arundo donax</i>	giant cane	Qarğı
<i>Artemisia fragrans</i>	mugwort spp.	Ətirlı yovşan
<i>Artemisia lerchiana</i>		Ətirlı yovşan
<i>Atrophaxis spinosa</i>		Dəvəqıran
<i>Batrachium trichophyllum</i>		
<i>Berberis</i>	barberry	Zirinc
<i>Bolboschoenus maritimus</i>	sea club-rush	Dəniz pıqvəri
<i>Calystegia sepium</i>	greater bindweed	Çəpər sarmaşığı
<i>Capparis spinosa</i>	spineless caper	Tikanlı kəvər
<i>Caragana grandiflora</i>		Sarı akasiya
<i>Centaurea calyptera</i>		Göyçicək
<i>Clematis orientalis</i>		Ağəsmə
<i>Climacoptera crassa</i>		
<i>Crataegus pentagyna</i>	hawthorn spp.	Yemişan
<i>Cynodonetum alhagiosum</i>		
<i>Cynodon dactylon</i>	bermuda-grass	Barmaqvari çayır
<i>Elaeagnus angustifolia</i>	oleaster spp.	Daryarpaq ıydə
<i>Elaeagnus spp</i>	oleaster spp.	ıydə növü
<i>Eleocharis palustris</i>	common spike rush	Bataqlıca
<i>Eremopyrum orientale</i>	grass spp.	Şərç bozağı
<i>Filago pyramidalis</i>		Alman güllücesi
<i>Galium tenuissimum</i>		Dilqanadan
<i>Halocnemum strobilaceum</i>	-	Yoğunlaşmış qaraşoran
<i>Helianthemum salicifolium</i>		Zərifcə
<i>Hordeum leporinum</i>	wall barley spp.	Dovşan arpa
<i>Iris acutiloba</i>	iris spp.	İtikənarlı süsən
<i>Iris camillae</i>	dwarf iris	Süsən
<i>Kalidium caspicum</i>	-	Xəzər sarıbaşı
<i>Koeleria cristata</i>	Prarie Junegrass	Nazıkgövdə
<i>Lolium rigidum</i>	rye grass spp.	Bəzək quramıt
<i>Lycopus europaeus</i>	gypsywort	
<i>Medicago minima</i>	bur-medick	Balaca qarayonca
<i>Nigella arvensis</i>	wild fennel	Qaracörək
<i>Paliurus spina-christi</i>	Christ's thorn	Qaratikan
<i>Papaver hybridum</i>		Lalə
<i>Parapholis incurva</i>	coast barbgrass	
<i>Peganum harmala</i>	wild rue	Üzərlık
<i>Petrosimonia brachiata</i>		Qışotu
<i>Phragmites australis</i>	common reed	Qamış
<i>Plantago lanceolata</i>	Ribwort plantain	Bağayarpağı
<i>Plantago loeflingii</i>		Bağayarpağı

Latin Name for Flora	Common English Name (where appropriate)	Azeri Local Name
<i>Poa bulbosa</i>	bulbous meadow-grass	Soğanaqlı qırtıc
<i>Populus hybrida</i>		Ağ söyüd
<i>Punica granatum</i>	pomegranite	Adi nar
<i>Quercus macrantha</i>	bur oak	Palıd
<i>Ranunculus scleratus</i>	buttercup spp.	Qaymaqçıçək
<i>Rhamnus pallasii</i>	buckthorn	Murdarça
<i>Rorippa nastursium-aquatica</i>	watercress	Acıbiyan
<i>Rubud iberica</i>	bramble	Böyürtkən
<i>Rumex crispus</i>	curly dock	Quzuqulağı
<i>Rumex hydroplathum</i>		Quzuqulağı
<i>Salix australis</i>	willow spp.	Cənub söyüdü
<i>Salix spp</i>	willow spp.	Söyüd növü.
<i>Salsola dendroides</i>	saltwort spp.	Aqacvarı şoran
<i>Salsola nodulosa</i>	saltwort spp.	Gəngiz
<i>Sparganium erectum</i>	branched bur-reed	Gurbağaotu
<i>Suaeda microphylla</i>	sea blight spp.	Çərən xırdayarpaq
<i>Syntrichia ruralis</i>	star moss	
<i>Tamarix meyeri</i>		Yulğun
<i>Tamarix ramosissima</i>	tamarisk spp.	Çoxbudaqlı yulğun
<i>Teucrium polium</i>	cat thyme	Məryəmnoxudu
<i>Typha angustifolia</i>	narrowleaf cattail	Su qamışı
<i>Torilis arvensis</i>	hedge parsley	Torilis
<i>Trifolium campestre</i>	clover	Üçyarpaq yonca
<i>Veronica anagallis-aquatica</i>	blue water-speedwell	Bulağotu
<i>Vitis sylvestris</i>	woodland grape	Məşə üzümü

**Table 2-2: Scientific and Common Names of Fauna**

Latin name for Fauna	Common English name ( where appropriate )	Azeri Name
<b>Invertebrates - Onurğasızlar</b>		
<i>Anchylocheria salomoni</i>	beetle spp.	Solomon qızılböcəyi
<i>Astacus pyzolwi</i>	crayfish	Çay xərçəngi
<i>Bombus daghestanicus</i>	daghestan bumble bee	Dağıstan zolaqlı arısı
<i>Bombus persicus</i>	bumble-bee spp.	Fars zolaqlı arısı
<i>Colias aurorina</i>	clouded yellow spp.	Avrorina sarıcası
<i>Daphnis nerii</i>	oleander hawkmoth	Oleandr hafı
<i>Manduca atropos</i>	death's-head hawkmoth	Kəllə şəkilli hafı
<i>Megacephalus euphraticus</i>	beetle spp.	Fərat çapağanı
<i>Tomares romanovi</i>	hairstreak spp.	Romanov tomaresi
<b>Fish - Baliqlar</b>		
<i>Bramis brama</i>	common bream	Şərq çapağı
<i>Abramis sapa bergi</i>	white-eyed bream	Poru
<i>Alburnoides bipunctatus</i>	schneider	Qıjovçu
<i>Alburnus alburnus</i>	bleak	Gümüşçə
<i>Alburnus chalcoides</i>	Caspian shemaya	Xəzər gümüşçəsi (şəmaisı)
<i>Alburnus filippii</i>	Kura bleak	Kür gümüşçəsi
<i>Acanthalburnus microlepis</i>	blackbrow	Qaraqaş
<i>Acipenser nudiventris</i>	sturgeon spp.	Kələmo
<i>Aspius aspius</i>	asp	Xəşəm
<i>Barbatula brandti</i>	Kura loach	Kür çıpaqçası
<i>Barbus capito</i>	chanari barbel	Zərdəpər
<i>Barbus lacerta</i>	Kura barbel	Kür şirbiti
<i>Blicca bjoerkna</i>	white bream	Yastıqarın
<i>Caoepta caoepta caoepta</i>	seven khramulya	Xramuliya
<i>Carassius auratus auratus</i>	goldfish	Gümüşü dabanbalığı
<i>Carassius gibelio</i>	Prussian carp	Prissiya dabanbalığı
<i>Caspiomyzon wagneri</i>	caspian lamprey	Xəzər ilanbalığı
<i>Chondrostoma cyri</i>	Kura nase	Kür altağızı
<i>Gobitis taenia</i>	spined loach	Adi ilişken
<i>Cyprinus carpio</i>	common carp	Çəki
<i>Esox lucius</i>	northern pike	Durnabalığı
<i>Gambusia affinis</i>	mosquito fish	Qambuziya
<i>Luciobarbus brachycephalus</i>	Aral barbel	Aral şirbiti
<i>Luciobarbus mersa</i>	Mursa	Mursa
<i>Neogobius fluviatilis</i>	monkey gobi	Qumluq xulu
<i>Neogobius melanostomus</i>	round gobi	Girdə xul
<i>Neogobius cephalarges</i>	ginger gobi	Kür xulu
<i>Oxynemacheilus angorae</i>	angora loach	Lənkəran çıpaqçası
<i>Oxynemacheilus merga</i>	stone loach	Şımalı Qafqaz çıpaqçası
<i>Ponticola gorlap</i>	Caspian bighead gobi	Xəzər böyükbaş çömçə xulu
<i>Pelecus cultratus</i>	ziege	Qılınçalıq
<i>Rhodeus sericeus</i>	bitterling	Kərəkə
<i>Romanogobio persus</i>	Kura gudgeon	Kür qumlaqçısı
<i>Rutilus rutilus</i>	roach	Külmə
<i>Rutilus rutilus caspius</i>	caspian roach	Şimal Xəzər külməsi
<i>Sabenejewia aurata aurata</i>	aral spined loach	Aral şımalı qızılbalığı
<i>Salmo fario</i>	brook trout	Qızılxallı
<i>Salmo trutta caspius</i>	Caspian sea trout	Qızılbalıq
<i>Salmo trutta trutta</i>	brown trout	Xəzər qızılbalığı
<i>Sander lucioperca</i>	pike-perch	Adi sıf
<i>Silurus glanis</i>	Wels catfish	Naqqa (naxa) balığı
<i>Squalius sephalus</i>	European chub	Enlibaş
<i>Tinca tinca</i>	Tench	Lilbalığı
<i>Vimba vimba persa</i>	Zahrte	Qarasol



Latin name for Fauna	Common English name ( where appropriate )	Azeri Name
<b>Amphibians – Suda-qurda yaşayanlar</b>		
<i>Bufo bufo</i>	common toad	Adi quru qurbağası
<i>Bufo viridis</i>	green toad	Yaşıl quru qurbağası
<i>Hyla arborea</i>	european tree frog	Adi ağac qurbağası
<i>Pelobates syriacus</i>	eastern spadefoot toad	Suriya sarımsaqiyli qurbağası
<i>Rana ridibunda</i>	marsh frog	Göl qurbağası
<b>Reptiles – Sürünənlər</b>		
<i>Elaphe hohonackeri</i>	ladder snake spp.	Zaqafqaziya təlxəsi
<i>Emys orbicularis</i>	european pond terrapin	Bataqlıq tisbağası
<i>Eumeces schneideri</i>	long-legged skink	uzunayaq ssink
<i>Lacerta raddei</i>	Radde's lizard	Radde kərtənkəlesi
<i>Lacerta strigata</i>	caspian green lizard	Zolaqlı kərtənkələ
<i>Mauremys caspica</i>	Caspian pond turtle	Bataqlıq tisbağası
<i>Natrix tessellata</i>	water grass snake	Suilanı
<i>Ophisaurus apodus</i>	European legless lizard	Koramal
<i>Ophisops elegans</i>	snake-eyed lizard	Biçimli ilanbaş kərtənkələ
<i>Testudo graeca</i>	spur-thighed tortoise	Aralıqdəniz tisbağası
<b>Birds - Quşlar</b>		
<i>Acrocephalus scirpaceus</i>	reed warbler	Avar qamışcılı
<i>Alauda arvensis</i>	skylark	Tarla torağayı
<i>Alcedo atthis</i>	kingfisher	Balıqcıl
<i>Alectoris chukar</i>	partridge	Kəklik
<i>Anas scirpaceus</i>	mallard	Yaşılbaş ördək
<i>Aquila chrysaetus</i>	golden eagle	Bərqut
<i>Aquila rapax</i>	tawny eagle	Çöl qartalı
<i>Ardea cinerea</i>	grey heron	Boz vağ
<i>Aythya nyroca</i>	ferruginous duck	Ağgöz dalğıc
<i>Buteo rufinus</i>	long-legged buzzard	Çöl sarı
<i>Coracias garrulus</i>	European roller	Göycəqarğa
<i>Corvus cornix</i>	hooded crow	Boz qarğa
<i>Cuculus canorus</i>	common cuckoo	Ququ quşu
<i>Egretta alba</i>	great white egret	İri ağ vağ
<i>Falco naumanni</i>	lesser kestrel	Çöl muymulu
<i>Falco tinnunculus</i>	eurasian kestrel	Adi muymul
<i>Francolinus francolinus</i>	black francolin	Turac
<i>Fulica astra</i>	coot	Qaşqaldaq
<i>Galerida cristata</i>	crested lark	Kəkilli torağay
<i>Glareola nordmanni</i>	black-winged pratincole	Çöl haçaquyuğu
<i>Haliaeetus albicilla</i>	white-tailed eagle	Ağquyuq dəniz qartalı
<i>Ixobrychus minutus</i>	little bittern	Kiçik danquşu
<i>Larus ridibundus</i>	black-headed gull	Adi qağayı
<i>Merops apiaster</i>	bee-eater	Qızılı qızlarquşu
<i>Nycticorax nycticorax</i>	black-crowned night heron	Qarıldağ
<i>Oenanthe deserti</i>	Desert wheatear	Səhra çaxraqcılı
<i>Pandion haliaetus</i>	osprey	Çöl qaraqquşu
<i>Passer montanus</i>	tree sparrow	Çöl sərçəsi
<i>Phasianus colchicus</i>	pheasant	Qırqovul
<i>Podiceps cristatus</i>	great crested grebe	İri maygülü
<i>Porphyrio porphyrio</i>	purple gallinule	Sultantoyuq
<i>Riparia riparia</i>	sand martin	Sahil qaranquşu
<i>Sterna hirundo</i>	common tern	Çay sternası
<i>Tetrax tetrax</i>	little bustard	Bəzgek
<i>Vanellus gregaria</i>	sociable lapwing	Çökükburun cüllüt
<i>Vanellus leocurus</i>	white-tailed lapwing	Ağquyuq çökükburun
<i>Vanellus vanellus</i>	lapwing	Çibis

Latin name for Fauna	Common English name ( where appropriate )	Azeri Name
<b>Mammals – Məməlilər</b>		
<i>Arvicola amphibius</i>	water vole	Su sychovulu
<i>Barbastella leucomelas</i>	Eastern barbastelle bat	Avropa enliqulaq yarasası
<i>Canis lupus</i>	wolf	Canavar
<i>Cervus elaphus</i>	red deer	Nəcib maral
<i>Eptesicus bottae</i>	desert serotine bat	Səhra yarasası
<i>Felis chaus</i>	reed cat	Qamışlıq pişiyi
<i>Felis lybica</i>	wild field cat	Çöl pişiyi
<i>Felis silvestris</i>	wild cat	Meşə pişiyi
<i>Gazella subgutturosa</i>	goitered gazelle	Ceyran
<i>Hyaena hyaena</i>	striped hyaena	Kaftar
<i>Hystrix indica</i>	porcupine spp.	Asiya (hind) tirəndızı
<i>Lepus europaeus</i>	brown hare	Adi dovşan
<i>Lutra lutra</i>	eurasian otter	Çay samuru
<i>Lynx lynx</i>	lynx	Vaşaq
<i>Myotis blythii</i>	lesser mouse-eared bat	İtiqulaq şəbpərə
<i>Rhinolophus ferrumequinum</i>	greater horseshoe bat	Böyük nalburun
<i>Rhinolophus hipposideros</i>	lesser horseshoe bat	Kiçik nalburun
<i>Sus scrofa</i>	wild boar	Çöl donuzu
<i>Suncus etruscus</i>	pygmy white-toothed shrew/etruscan shrew	Cırtan ağdış
<i>Ursus arctos</i>	brown bear	Qonur ayı
<i>Vormela peregusna</i>	marbled polecat	Safsar
<i>Vulpes vulpes</i>	red fox	Adi tülkü