***Eucalyptus rudis* Woodlands**

R1: Disturbed Low Open Woodland of *Eucalyptus rudis - Melaleuca rhaphiophylla* over *Pteridium esculentum* and pastoral grasses.

R2: Disturbed Low Open Woodland of *Eucalyptus rudis - Corymbia calophylla* over *Melaleuca preissiana, Melaleuca rhaphiophylla* and *Taxandria linearifolia* over pastoral grasses in association with watercourses.

R3: Disturbed Low Open Woodland of *Eucalyptus rudis - Corymbia calophylla* over *Kunzea ericifolia* subsp. *ericifolia* over pastoral grasses.

R4: Disturbed Low Open Woodland of *Eucalyptus rudis - Melaleuca rhaphiophylla* with pockets of *Corymbia calophylla* over pastoral grasses.

R5: Disturbed Low Open Woodland of *Eucalyptus rudis* over *Melaleuca preissiana* with *Juncus pallidus* in depressions, over pasture grasses.

R6: Woodland of *Eucalyptus rudis Melaleuca rhaphiophylla* over *Melaleuca teretifolia* and *Astartea fascicularis* over *Lepidosperma longitudinale.*

***Corymbia calophylla* Woodlands**

C1: Disturbed Open Woodland of *Corymbia calophylla - Melaleuca preissiana Melaleuca rhaphiophylla* over *Xanthorrhoea preissii, Viminaria juncea, *Gladiolus caryophyllaceus* and pastoral grasses.

C2: Disturbed Open Woodland of *Corymbia calophylla - Melaleuca preissiana* over *Kingia australis* and *Hypocalymma angustifolium* over pastoral grasses.

C3: Low Woodland of *Corymbia calophylla* over *Xanthorrhoea preissii, Dasypogon bromeliifolius* and *Adenanthos meisneri.*

C4: Disturbed Open Woodland of *Corymbia calophylla - Eucalyptus rudis* over *Agonis flexuosa* over pastoral grasses.

C5: Disturbed Low Open Woodland of *Corymbia calophylla - Melaleuca preissiana* over *Taxandria linearifolia, Astartea fascicularis*, *Baumea articulata* and *Juncus pallidus* over pastoral grasses.

C6: Disturbed Low Open Woodland of *Corymbia calophylla - Eucalyptus marginata* subsp. *marginata - Banksia menziesii - Allocasuarina fraseriana* over *Kunzea ericifolia* subsp. *ericifolia* over pasture grasses.

C7: Disturbed Low Open Woodland of *Corymbia calophylla - Eucalyptus wandoo* over *Melaleuca preissiana* over pasture grasses.

***Eucalyptus marginata* subsp. *marginata* Woodlands**

M1: Disturbed Open Woodland of *Eucalyptus marginata* subsp. *marginata* over *Cartonema philydroides.*

M2: Open Woodland of *Eucalyptus marginata* subsp. *marginata Corymbia calophylla* over *Kunzea ericifolia* subsp. *ericifolia, Pericalymma ellipticum* and *Acacia pulchella* var. *glaberrima* over Poaceae species.

M3: Open Woodland of *Eucalyptus marginata* subsp. *marginata - Banksia ilicifolia - Banksia grandis - Banksia littoralis* and *Nuytsia floribunda* over *Kunzea ericifolia* subsp. *ericifolia*, *Acacia pulchella*, *Stirlingia latifolia*, *Xanthorrhoea preissii* and *Dasypogon bromeliifolius* .

M4: Woodland of *Eucalyptus marginata* subsp. *marginata - Corymbia calophylla - Banksia attenuata* and *Banksia grandis* over *Xanthorrhoea preissii*, *Hibbertia hypericoides*, *Aotus procumbens*, *Macrozamia riedlei*, *Dasypogon bromeliifolius* and *Bossiaea eriocarpa* .

M5: Woodland of *Eucalyptus marginata* subsp. *marginata - Corymbia calophylla - Banksia attenuata - Banksia grandis* and *Xylomelum occidentale* over *Kunzea ericifolia* subsp. *ericifolia*, *Hibbertia hypericoides*, *Daviesia incrassata* subsp. *incrassata*, *Brachyloma preissii* , *Persoonia saccata* and *Acacia willdenowiana* .

***Eucalyptus gomphocephala* Woodlands**

G1: Open Woodland of *Eucalyptus gomphocephala - Corymbia calophylla* over pasture species.

G2: Open Woodland of *Eucalyptus gomphocephala - Allocasuarina fraseriana* over low mixed shrubs and herbs.

G3: Open Woodland of *Eucalyptus gomphocephala Eucalyptus marginata* subsp. *marginata Banksia* species over low mixed shrubs and herbs.

G4: Open Woodland of *Eucalyptus gomphocephala* over *Acacia saligna, Acacia rostellifera, Dryandra sessilis* var. *cygnorum* and low mixed shrubs.

G5: Open Woodland of *Eucalyptus gomphocephala* over *Acacia* species and *Melaleuca rhaphiophylla* and low sedges and shrubs.

***Eucalyptus decipiens* Woodlands**

E1: Low Open Woodland of *Eucalyptus decipiens - Banksia littoralis - Acacia rostellifera* over *Dryandra sessilis* var. *cygnorum* and low mixed shrubs.

***Banksia* Woodlands**

B1: Disturbed Low Open Woodland of *Banksia ilicifolia - Eucalyptus marginata* subsp. *marginata - Allocasuarina fraseriana* over low shrubs and pastoral grasses.

B2: Disturbed Open Woodland of *Banksia ilicifolia - Eucalyptus marginata* subsp. *marginata - Allocasuarina fraseriana - Xylomelum occidentale* over *Hibbertia hypericoides, Hibbertia huegelii* and *Hyalosperma cotula.*

B3: Open Woodland of *Banksia attenuata Banksia ilicifolia - Eucalyptus marginata* subsp. *marginata* over *Kunzea ericifolia* subsp. *ericifolia, Stirlingia latifolia, Calytrix fraseri, Adenanthos meisneri* and *Dasypogon bromeliifolius.*

B4: Open Woodland of *Banksia attenuata Eucalyptus marginata* subsp. *marginata* over *Kunzea ericifolia* subsp. *ericifolia, Allocasuarina humilis, Stirlingia latifolia* and mixed shrubs.

B5: Open Woodland of *Banksia attenuata Banksia ilicifolia - Eucalyptus marginata* subsp. *marginata* over *Kunzea ericifolia* subsp. *ericifolia* with occasional *Nuytsia floribunda* and *Corymbia calophylla* over *Melaleuca thymoides, Calytrix fraseri, Acacia pulchella* var. *glaberrima* and mixed shrubs.

B6: Open Woodland of *Banksia ilicifolia - Banksia attenuata - Agonis flexuosa* and *Eucalyptus marginata* subsp. *marginata* over dense *Kunzea ericifolia* subsp. *ericifolia* with *Bossiaea eriocarpa*, *Hibbertia hypericoides*, *Dasypogon bromeliifolius*, *Acacia pulchella* and *Patersonia occidentalis* .

***Melaleuca* Woodlands**

P1: Disturbed Open Woodland of scattered *Melaleuca preissiana* over *Juncus pallidus* and pastoral grasses.

P2: Disturbed Low Open Woodland of *Melaleuca rhaphiophylla - Melaleuca preissiana* over *Astartea fascicularis* over pasture grasses and sedges.

P3: Low Open Woodland of *Melaleuca preissiana* and occasional *Eucalyptus marginata* subsp. *marginata* and *Kunzea ericifolia* subsp. *ericifolia* over *Hypocalymma angustifolium* and *Calytrix* species over *Dasypogon bromeliifolius.*

P4: Low Open Woodland of *Melaleuca preissiana* with either *Agonis flexuosa* or *Kunzea ericifolia* subsp. *ericifolia* over *Hypocalymma angustifolium* and *Calytrix* species over *Dasypogon bromeliifolius.*

***Agonis flexuosa* Woodlands and Forests**

F1: Open Forest of *Agonis flexuosa Eucalyptus marginata* subsp. *marginata* over grasses.

F2: Open Woodland of *Agonis flexuosa* with occasional *Banksia attenuata, Banksia ilicifolia* and *Nuytsia floribunda* over mixed shrubs.

***Kunzea ericifolia* subsp. *ericifolia* Shrublands**

K1: Disturbed Low Shrubland of *Kunzea ericifolia* subsp. *ericifolia* over *Regelia ciliata* over pastoral grasses.

K2: Tall Shrubland of *Kunzea ericifolia* subsp. *ericifolia* over *Hypocalymma angustifolium* and mixed shrubs over *Meeboldina scariosa,* with occasional emergent *Eucalyptus marginata* subsp. *marginata, Banksia attenuata* and *Banksia ilicifolia.*

Closed Heath

H1: Closed Heath of Myrtaceae species, including *Kunzea ericifolia* subsp. *ericifolia, Pericalymma ellipticum, Astartea fascicularis* and *Melaleuca* species over *Baumea* and *Meeboldina* species, with occasional emergent trees of *Corymbia calophylla* and *Eucalyptus marginata* subsp. *marginata.*

H2: Closed Heath of *Pericalymma ellipticum Hypocalymma angustifolium* shrubs over mixed sedges, with occasional emergent *Melaleuca preissiana, Nuytsia floribunda* and very occasional *Banksia littoralis* trees.

H3: Closed Heath of *Astartea fascicularis Calothamnus lateralis* and *Cassytha racemosa* over mixed sedges.

Sedgelands

S1: Sedgelands of *Baumea, Meeboldina* and *Juncus* species over pastures in disturbed areas.

Disturbed Areas

D: Disturbed, drains, plantations, pasture, roads and buildings.

(d): Partially disturbed, eg. M3(d) partially disturbed M3.

Notes:
This map to be read in conjunction with Mattiske Consulting Pty Ltd report Numberd DRD0301/101/03

N

0 500m
Scale

Bowman Bishaw Gorham
Environmental Management Consultants

MATTISKE

KWINANA TO AUSTRALIND GAS PIPELINE CORRIDOR

Figure 1

VEGETATION

Author: E. M. Mattiske November 2003